



# AMD<sup>TM</sup>

## AFTERMARKET MOTO DESIGN

THE LEADING BUSINESS MAGAZINE FOR THE INTERNATIONAL CUSTOM MOTORCYCLE AND PARTS INDUSTRY

MAY 2023

ISSUE #286

### Genstar Capital Moves to Shake Up the Senior Management at Arrowhead Engineered Products (AEP) with New CEO and CFO

In a mid-April release, the Board of Directors of San Francisco based Genstar Capital, the owner of Blaine, Minnesota based Arrowhead Engineered Products (AEP), announced what appears to have been the immediate termination of CEO John Mosunic's contract as CEO of AEP. "We thank John Mosunic for his leadership and dedication to the organization during his tenure. We wish him all the best in his future endeavors."

Mosunic was at the helm when Genstar acquired AEP from Riverside in 2021, and was the CEO who, under Genstar's ownership, oversaw rapid expansion with the acquisition of Western Power Sports (WPS - Boise, Idaho; Fly Racing, HardDrive etc.) and Bihr, one of Europe's largest (largely 'mainstream'/'metric') parts and accessory distributors in 2022. Genstar moved quickly to announce

that Mosunic was being replaced by Bill Canady ("effective immediately"), saying that "Bill has led several organizations to unprecedented growth" and that he is a "proven leader with a track record of driving



New Arrowhead CEO Bill Canady

results through innovation, strong business insights and financial discipline" - including at OTC Technologies - a provider of "industrial and manufacturing

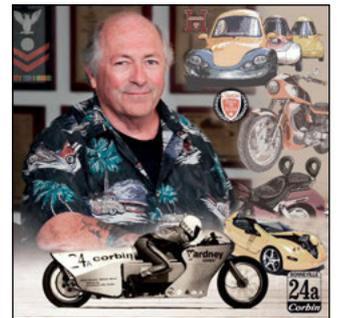
solutions" and a member of the Genstar Capital group of owned companies.

Canady is quoted as saying: "I'm pleased to have been chosen to lead Arrowhead, a company with an incredible workforce and loyal customer base. With the confidence of the board and in partnership with the leadership team, we will improve our business performance, continue to take market share and deliver long-term value for all our shareholders. I'm confident that our best days are ahead."

Speaking for AEP, Rebecca Shaffer, Senior Director of Communications, told AMD: "Arrowhead Engineered Products is embarking on its next growth phase. With over 30 years of global business leadership experience, Bill Canady's proven track record of successfully leading

Continues on page 8 >>>

### MIKE CORBIN



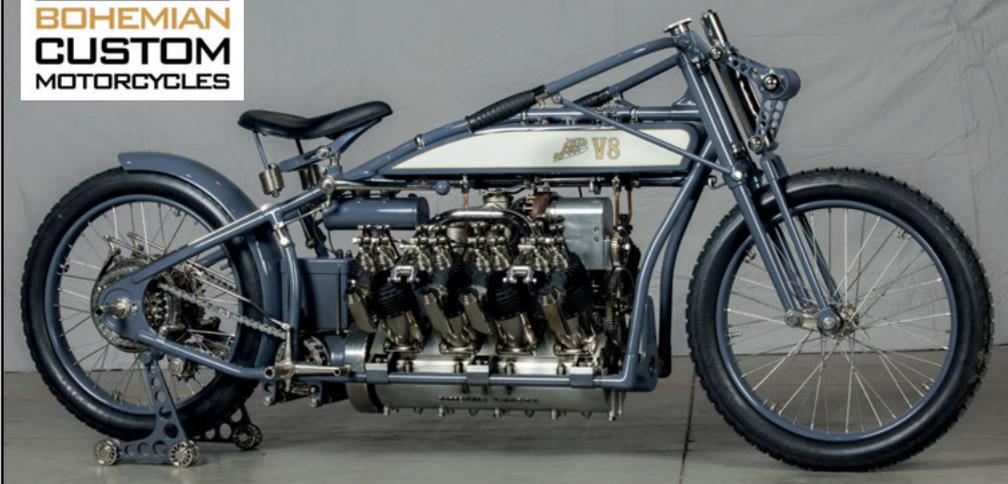
### DGR & TRIUMPH



### ARCH




One of the most innovative builders ever to have appeared in the AMD World Championship of Custom Bike Building, J.A.P. fanatic Pavel Malanik won the recent Bohemian Custom Motorcycle Show in Czechia with his new J.A.P. V8. See pages 60-61...



# KICKSTART

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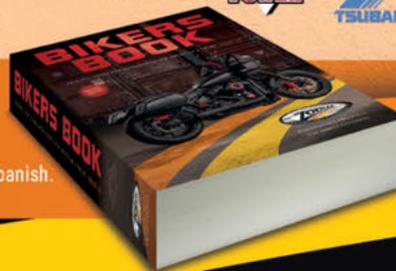
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**COMMENT - There's always the weather!.....4**

Remarkably, given the fluctuations and uncertainties of the past three years, it looks like most new unit inventory levels in most markets are at least in some kind of balance. As for the used market though, it is increasingly difficult to know whether present inventory levels are a good thing or not.



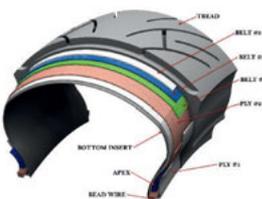
**ZERO MOTORCYCLES - From Zero to Hero .....14**

California based electric motorcycle manufacturer Zero has agreed to collaborate on new premium electric vehicles with Indian manufacturer and former Buell partner Hero MotoCorp. Hero is to invest up to \$60m in Zero, according to CEO Sam Paschel.



**ARCH MOTORCYCLES - The 1s is finally ready for production .....32**

First shown to a style-conscious and admiring crowd in Italy at EICMA in 2017, five years of subsequent development and market upheaval have finally resulted in the Arch 1s, its third model, being ready for production. Described as drawing influence from both cruiser and street sport riding "to create a motorcycle that defies industry categorization."



**VEE RUBBER - Metalsport makes it BIG .....38**

Californian wheel specialist Metalsport started distributing Vee Rubber big tires for big wheels 18 years ago with the first tire for a 26" front wheel. 2018 saw new fat tire sizes - 21", 23" and 26". As the exclusive US distributor, Metalsport now backs the upgraded load rating 302 tire line with a newly established lifetime and one-year road hazard warranty.



**KELLERMANN - Appoints Tucker as exclusive USA Distributor .....26**

Award-winning Aachen, Germany based lighting specialist Kellermann GmbH is capitalizing on the cult-like popularity of its product range in the United States with the appointment of Tucker Powersports as its exclusive distribution partner there.



**CUSTOM BIKE SHOW - Norrtälje, Sweden .....24**

Twin Club's annual Scandinavian highlight will draw customizers and riders from all around Scandinavia and the Baltics for its one-day show on June 3rd, 2023.

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# There's always the weather...

**At a time when the list of issues and concerns that the global motorcycle industry, and especially the custom parts and accessory sector, is having to contend with could make it onto a second page (so complex is the matrix of challenges we face), but there is always another factor that needs to be factored into our hopes for a good start to any year - the weather.**

In Europe it has been mixed - is there any other kind? In the south it has been a lot warmer and drier than it usually is at the start of the year, while northern Europe has seen wild fluctuations from unseasonably extreme wet to extreme dry weather.

In the United States, however, archaeologists have discovered that there are indeed humans and cities and entire states hidden and living under all that snow - who knew! It would appear that in most areas a switch was thrown at the end of March and the bikes came out. As you read this, we should already be at least halfway into the traditional 90 days of 'Peak Door Swing,' with parts department managers the world over having that "I wish I'd ordered one of those" moments.

Remarkably, given the fluctuations and uncertainties of the past three years, it looks like most new unit inventory levels in most markets are at least in some kind of balance. As for the used market though, it is increasingly difficult to know whether present inventory levels are a good thing or not.

The increasing role that dealers can have in their local used motorcycle market, through OEM or independent initiatives, is, theoretically, a 'good thing.' However, the hardening of prices and increasing share of sales that online national B2C and C2C platforms are taking is not so great for showroom traffic.

Overall, the (blindingly obvious) predictions of a decade ago that there would be a point at which the growth of online P&A/G&A sales would slow down have proven to have some truth to them.

From the issues confronting Amazon, down to the share of online relative to the visceral experience of parting with one's cash or credit limit in person, suggests that we have arrived at a glass ceiling. We are now living in a data and AI obsessed world as organizations that *think* they are sales-led grapple with labor shortages and struggle for growth by drinking the data Kool-Aid.

Measures of online sales volumes are difficult to contextualize, rendering incredibly important data incredibly inexact. Market-wide or sector-specific sales data (especially G&A and hard parts and accessories) are not only hard to prise from the proprietary grasps of those most deeply invested in capturing such numbers and trends, but we are still pretty much in the dark ages when it comes to putting controls in place to calibrate for the positive and negative impacts of wider social and economic sales drivers.

We are no better at that than judging wind speed, direction and temperature with a finger in the air, rendering the entire exercise dangerously misleading as a foundation for capital investment policy-making in an era in which data drives everything. Not good. Once you get above the Small to Medium Enterprise (SME) sector, corporate environments are continuing to evolve into over-staffed and under-producing cultures in which the default response to declining productivity is to try to hire more 'cubicle Jacks and Jill's' in the mistaken belief that if you throw enough warm bodies at a problem, the heat generated will eventually fire the trajectory of sales and profits in the right direction. For the record, and although the precise math varies by nation and economic sector, in

so-called western economies, SMEs still account for greater than 70% of employment, disposable income, tax take, GDP and wealth and capital generation. In fact, it is estimated that family-owned businesses of 20 people or less account for over 80% of that. In that context, the dollar-for-dollar performance of large corporations and, especially, of Private Equity held businesses, is embarrassingly poor. They, and publicly held businesses, are shockingly inefficient operations compared to an SME sector that is way less data dependent. Neither do they have the market cornered where innovation is concerned.

The world over, declining productivity is one of the primary real causes of labor shortages, economic stagnation and balance sheet instability, not, as generally argued, early retirement, declining birth rates or lower levels of economic migration. In Anglo Saxon (as opposed to social model) western economies you can add declining educational and vocational training standards and increasingly inefficient public spending as further drivers of declining productivity.

However, those who think that AI or data are the primary answer to achieving greater levels of sales, market share, profits, growth and stakeholder dividends are just as utterly deluded as those who believe that automation will reduce employment, productivity or wealth generation.

By way of an aside, it is ironic that far from being member interest protectors, unions, for example, have been an arch force of historic proportions for the kind of conservatism that holds the individual back in pay, employment and empowerment terms. From Luddite era objections to steam driven looms, through Henry Ford's automated production lines to this theoretically revolutionary digital era in which we find ourselves now, it has been human innovation and productivity that has driven employment, productivity or wealth generation - not technology. It is how we use AI and data that we will drive growth, not how we misuse them.

I was much entertained at the recent AIMExpo by a lot of what I heard about data driven analysis and the increasing importance of artificial intelligence tools such as ChatGPT (*other futile investments are available*), especially by foolhardy assumptions about the umbilical cord that is supposed to link such initiatives to making sales and creating growth.

People will only buy from a human who can make them feel good about doing so. Sure, give sales people cool tools, just as mankind eventually gave masons 'The Chisel', and help marketers add to the story of how such swings are generated. But data and AI alone cannot make the sale for us, they will never replicate the emotional experience and gratification that humans are really paying for when they buy. Neither can they be calibrated for what the weather might be like!

“ other futile investments are available ”

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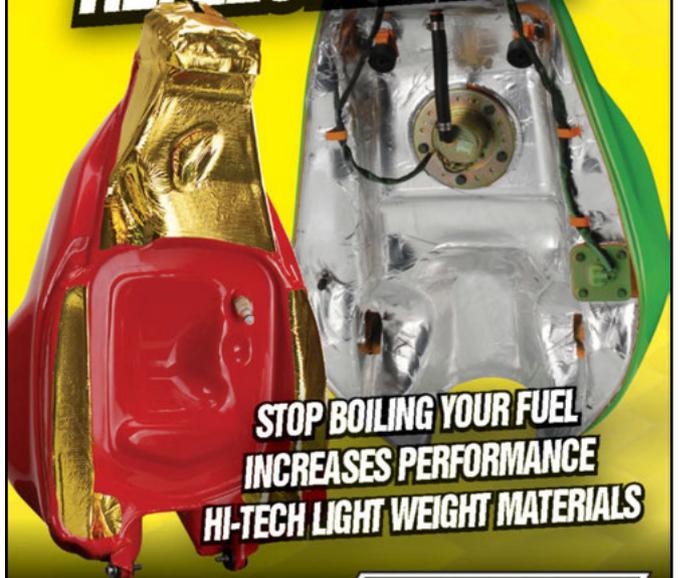
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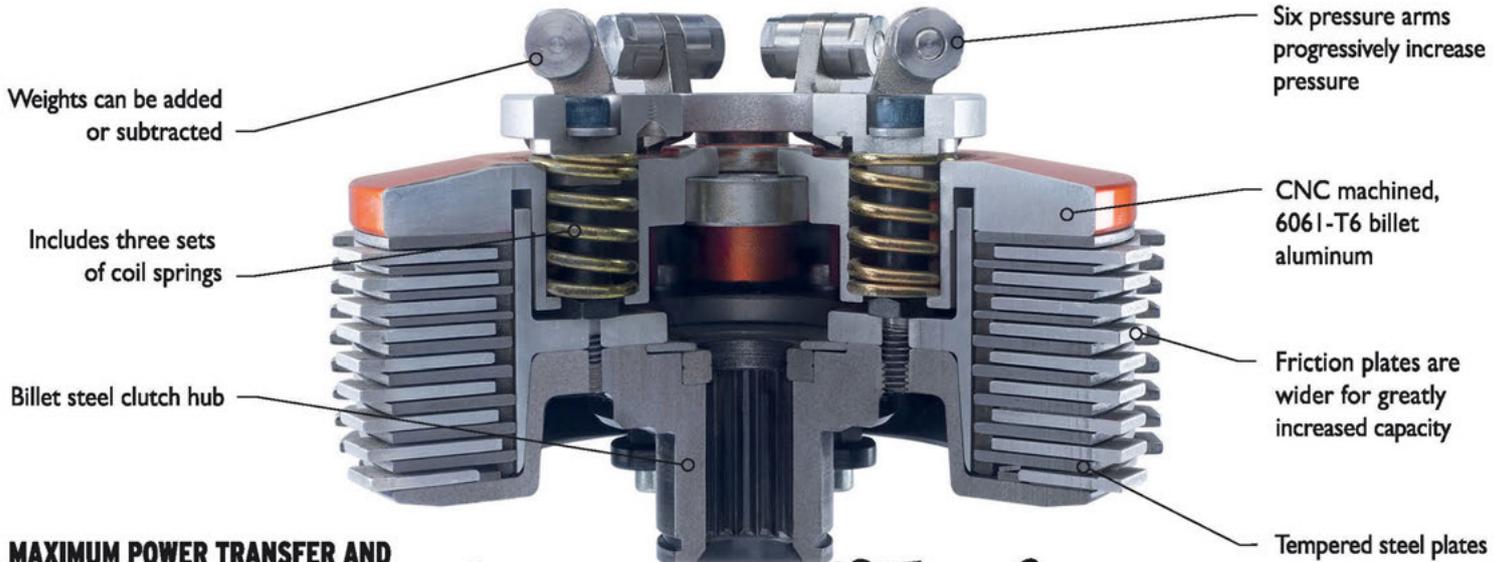


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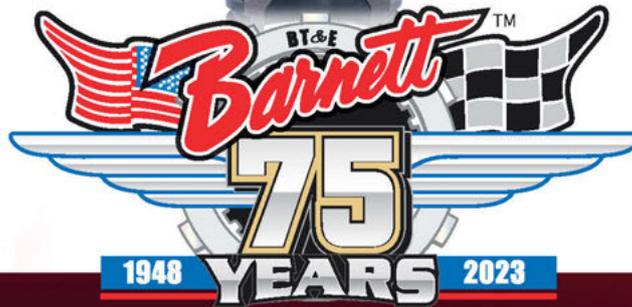
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**Biker Fest International (37th)**  
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[www.bikerfest.it](http://www.bikerfest.it)

**Lost Highway Show**  
Poconos Park, PA, US • May 19-21  
[www.losthighwayshow.com](http://www.losthighwayshow.com)

**Distinguished Gentleman's Ride**  
Worldwide • May 21  
[www.gentlemansride.com](http://www.gentlemansride.com)

**European Super Rally**  
Igoumenitsa, GR • May 24-28  
[www.superrally.com](http://www.superrally.com)

**Americade (40th)**  
Lake George Village, NY, US • May 31-Jun 4  
[www.americade.com](http://www.americade.com)

**Custombike Show**  
Norrtälje, SW • Jun 3  
[www.custombikeshow.se](http://www.custombikeshow.se)

**Budweis Custom Show, Indian Riders Fest**  
Budweis, CZ • 9-11 Jun  
[www.budweiscustom.show](http://www.budweiscustom.show)

**Rising Thunder Custom Show**  
LT • 9-11 Jun  
[www.custombikeshow.lt](http://www.custombikeshow.lt)

**Laconia Motorcycle Week (100th)**  
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**European H.O.G. Rally**  
120th Anniversary  
Budapest, HU • Jun 22-25  
[www.harleysite.de](http://www.harleysite.de)

**Born Free**  
Silverado, CA, US • Jun 24-25  
[www.bornfreshow.com](http://www.bornfreshow.com)

**AMA Vintage Motorcycle Days**  
Lexington, OH, US • Jul 21-23  
[vintagemotorcycledays.com](http://vintagemotorcycledays.com)

**Wheels & Waves**  
Biarritz, FR • Jun 28-Jul 2  
[www.wheels-and-waves.com](http://www.wheels-and-waves.com)

**Punta International Motorcycle Show**  
Courchevel, FR • Jun 30-Jul 2  
[www.punta-courchevel.com](http://www.punta-courchevel.com)

**H-D Homecoming 120th Anniversary**  
Milwaukee, WI, US • Jul 13-16  
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**Sturgis Motorcycle Rally (83rd)**  
Sturgis, SD, US • Aug 4-13  
[www.sturgis-sd.gov](http://www.sturgis-sd.gov)

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Milan, IT • Nov 7-12  
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<<< **Continued from cover**

industrial businesses for Genstar Capital-sponsored companies means he is the right leader to take the organization to the next level. He will continue in his leadership role across other Genstar portfolio companies working to drive growth across the businesses."

As CEO, Canady has acted equally quickly to appoint Adam McMahon as CFO, with existing CFO Jim Buckelman "remaining in his role for the next six months to ensure a smooth transition."

Genstar went on to say: "Over the next 100 days, Bill will focus on improving revenue, EBITDA and business performance. The recently announced Global Operating Model is paused as we concentrate on executing the day-to-day basics."

Founded in 1988, Genstar is a big player in the "private equity space" with some \$35bn of assets "under management." It says it is currently managing its tenth fund "and actively looking for investment opportunities in founder-owned companies, public

company orphans, corporate carve-outs and traditional buyouts." Describing itself as a "leading global engineer and omnichannel distributor of non-discretionary, proprietary branded, aftermarket replacement parts," AEP "leverages data and digital capabilities to provide mission-critical parts for powersports and adjacent markets, such as outdoor power equipment, golf cars, specialty vehicles, agriculture and other diverse markets." AEP cites having distribution and sourcing locations in North America, Europe and Asia,



servicing over 100,000 customers globally. In addition to WPS, AEP numbers several other American powersports businesses and brands in its ownership, including the All Balls Racing program, Cylinder Works, Hot Cams, Hot Rods, Pivot Works and Tiger Lights. In Europe, Bihl had already been on the acquisition trail prior to itself being bought by AEP - owning Paaschburg & Wunderlich and LSL in Germany, and the Moto Direct/RST apparel operations in the UK. AEP also owns Vertex Pistons in Italy and motorcycle parts distributor H-I Level Enterprises in the UK.

## Buell - Super Cruiser and 1190 SuperTouring

Daytona Bike Week saw Roland Sands and Bill Melvin's Grand Rapids, Michigan based Buell Motorcycles give a public unveil to a design prototype of a 2025 Buell Super Cruiser, along with, one year on, a second look at a much-refined design of a 185 horsepower, 1,190 cc Buell SuperTouring model first seen at Daytona in 2022 that is also slated for 2025.

The Super Cruiser, first revealed at a private event on February 10 at the Roland Sands Design facility in Long Beach, CA, "has been well-received by both the media and fans. As eager riders continue to place unprecedented pre-orders on the Buell website, the Super Cruiser is exceeding expectations and generating significant buzz."

"It's the design of this bike that's got everyone going crazy," said Buell's CEO, Bill Melvin. "The response we've seen so far is overwhelming. It's clear there's a tremendous demand for a high-performance cruiser, and we're thrilled to meet it. We always knew a Buell cruiser would be big, but it needed Buell features and had to be the highest-performing American production bike ever made."

"Lucky for us, we were the ones who innovated the kick-ass technology of the 1190 platform. So, we didn't need to reinvent that wheel. We just needed to take what was already ideal and build a cruiser around it. Refining

things like steering angle, rake, wheels, tires, brakes and chassis - Roland Sands was the genius to pull all that together."

Also on display was that refined 1190 SuperTouring modular superbike. "The ST provided a great opportunity for us to hear and engage with our fanbase," said Jacob Stark, Buell's engineering specialist. "It led to exploring new ideas, experimenting, and using the ST platform to stretch our comfort zone." Created in collaboration with award-winning designer J. Ruiter to thrill Supersport and touring fans alike, the SuperTouring is "the world's fastest adaptive motorcycle," easily converting to a track bike in under an hour. Its latest modifications include a new modular front fairing with headlamp assembly, higher handlebars, foot-forward controls and a new seat and bags.

"Buell is back and building a strong



reputation as a small, responsive company building bikes to order and providing a unique customer experience," said Melvin. "We've tuned our approach to match customer feedback and will continue making the changes that deliver the best riding experience possible."

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# STAT ATTACK

According to Brussels based ACEM, the international motorcycle industry trade association for Europe, the 'Big Five' motorcycle markets there that account for some 80% of total motorcycle registrations annually (Italy, France, Spain, Germany and UK) saw 950,400 new motorcycle registrations in 2022 - a slight decrease of around 0.1% over 2021. Italy was the largest market, up by +0.7% at 271,380 units; Germany was essentially flat at +0.1% (199,400 units); France was down by -6.6% at 193,350 units; Spain was up by 6.3% at 176,960 units, with the UK in fifth spot among the 'majors' at +1.9% (109,300 units).

**For the first two months of 2023, H-D was in fifth spot in market share terms in Germany with 907 units sold YTD for a 5.94%. Not surprisingly, BMW remains the dominant market share leader in its home market with a 29.71% share and nine models in the top 20 best sellers there - the R 1250 GS is 'top dog'. Harley's best sellers were the Low Rider ST, Street Bob 114 and Sport Glide.**

For the first two months of 2023, Japanese made motorcycle exports to USA totaled 11,808 units YTD (+14.72% over the year ago). Annual worldwide Japanese made motorcycle and moped exports (all PTW) fell off a cliff in 2009 to 583,879 from over one million in 2008, having peaked at 1,641 million units in 2000. They have continued to decline most years since then. Most recently they were 463,123 units in 2017; 456,758 in 2018; 396,379 in 2019; 311,998 in 2020, but significantly up in 2021 (for the first time since 2017) at 437,042 units (+40.08%), and again in 2022 at 486,813 units (+11.39%). American motorcycle imports from the Japanese factories were +73.37% for the full year 2021 at 74,429 units - ahead of 2019 (59,320) and 2020 (42,931) - and were +14.29% for 2022 (at 85,062 units - the highest since before 2015). The highest number for U.S. imports from the Japanese factories recorded in the ACEM data based International Dealer News Statistical Archive was 313,183 units in 2002.

**The latest available ZIV data for Quad/ATV and three-wheeler sales in Germany show 2022 sales of 1,565 Quads (+95.87%), with some 95% of those in the sub 300 cc class. Sales of ATVs totaled 20,278 ATVs (-15.39%); 4,335 three-wheelers were sold (+6.43%), with Piaggio's MP3 the market share leader (36.19% of sales,) followed by BRP/Can-Am, Peugeot, Yamaha and Rewaco.**

## Triumph Backs DGR for 10th Straight Year - May 23, 2023

Slated for global participation on May 23, 2023, The Distinguished Gentleman's Ride (DGR) unites hundreds of thousands of classic and vintage style motorcycle fans all over the world to raise funds and awareness for men's health.

DGR was founded in Sydney, Australia in 2012 by **Mark Hawwa**. Growing year on year, today the DGR spans the world with more than 90,000 riders taking to the streets in more than 800 cities, and more than \$37m raised for prostate cancer research and men's mental health to date.

**Triumph Motorcycles** became the official motorcycle partner of the DGR from 2014, so this year sees the British



manufacturer marking the 10th anniversary of its decision to back the initiative and is doing so in style with a black **DGR Limited Edition** (250 examples) Bonneville T120.

One of the most significant contributions Triumph has made to growing awareness and motivating fundraisers around the world has been by providing motorcycles from its

Modern Classic range as rewards for the top fundraisers.

In previous years, this has included unique motorcycles, such as a one-of-a-kind Triumph Thruxton RS DGR Edition and a custom '1959 Legends' Triumph Bonneville T120 and matching Gibson Les Paul Standard guitar, awarded to the 2022 ride's highest fundraiser as part of a collaboration between Triumph and Gibson.

"This exclusive new Bonneville T120 black Distinguished Gentleman's Ride Limited Edition motorcycle celebrates this landmark 10th anniversary, and we hope it will help make the 2023 DGR event the biggest and most successful to date."

## Andreani USA Expands Product Offering

No sooner had it staged its inaugural 'Open-House' to mark the establishment of the new Hendersonville, North Carolina U.S. headquarters than Andreani USA has announced an expansion to its product offer for domestic U.S. dealers with the addition of two noteworthy product lines from Europe.

As a suspension specialist, a deal to sell the British made Nitron Racing Systems performance suspension product line provides a compatible range of shock absorbers and front end suspensions to complement Andreani's own, versatile 'Misano' range of front fork cartridge kits.

"Nitron Racing Systems' shocks and suspension products carry a racing pedigree and applications for all types of motorcycles, from motocross to ADV to cruisers and touring bikes."

Already distributed in Italy by Andreani, "Italian MIVV exhaust systems offer high performance, matched with Italian style and an expansive product line. MIVV is well known throughout Europe as a brand that delivers increased performance, refined sound and Italian style to motorcycles of all types. Andreani USA is MIVV's first US-based distributor and will make MIVV exhaust products readily available for American powersports dealers.

"Entering into an important market



Nitron CBR600RR shock



superbikes, from enduros to adventure bikes, and we've had requests to create products for models of every brand, especially Harley-Davidson motorcycles."

Andreani USA President Luciano Ubaldini said: "We strive to bring the best products to our network of dealers in the United States. As the exclusive distributor of MIVV exhausts and official service center for Nitron suspension products, we can ensure that our dealers are delivering great products and technical support to American motorcycle riders."

[www.andreanigroup.com](http://www.andreanigroup.com)

like the U.S. required that we select a highly professional distributor, and we have a long history working with the Andreani Group," said MIVV's Business Unit Manager Danilo DeBerardinis. "Our current production touches every segment of the motorcycle world, from naked to



MIVV for Ducati Panigale

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# STAT ATTACK

Global BMW Motorrad unit sales grew by 4.4% in 2022 to 202,895 units. However, sales in Europe were down slightly (-0.3%/110,788 units), with sales of 24,129 units in Germany representing a -7.1% home market unit decline. The French market took 21,223 units in 2022 (+6.7%), while Italy was -2.3% (15,668 units) and Spain was -0.9% (12,502 units). North, Central and South American sales were +14.4% (45,775 units), of which 17,690 were in USA (+10.4%). BMW only introduced two completely new models in 2022 - the CE 04 electric scooter, which has not sold well yet, and a Roadster styled M1000 iteration.

KTM parent company PIERER Mobility has added more detail to the provisional FY2022 results it published in January, confirming a year of extraordinary growth with group revenues of €2,437m (+19%) and unit sales of 375,492 motorcycles (+13%), of which 268,575 were KTM branded units, 75,266 were Husqvarna and 31,651 were GasGas models. In addition, 118,465 E-bicycles and bicycles (+15%) were sold. EBIT was €235m (+22%) and EBITDA was €381m (+15%). The group spent €268m on "growth initiatives" in 2022, which included the continuing construction of its new 14,000 sq m (150,000 sq ft) North American HQ campus at Marietta, Georgia - a \$53m total investment. The year also saw a 25.1% equity investment in MV Agusta and the takeover of European distribution for KTM's Chinese sales and production partner CFMoto.

In Germany in 2022, Zero was the electric motorcycle market share leader, but with just 357 units sold for a +32.2% increase, we are still talking ultra-low volumes at this stage. Vmoto was in second place in market share terms, followed by KTM, Tinbot and Electric Motion. NIU was the electric scooter market share leader (1,390 units/+171.0%) ahead of Scutum, Horwin, BMW and Piaggio.

Ducati has confirmed that 2022 saw it break the €1bn revenue barrier for the first time in its history (+24%), selling 61,562 units (+3.6%) - the first time it has broken the 60k unit volume mark - and had 821 dealerships worldwide for another record.

## 2023 HardDrive Catalog Spotlights New Brands and Products



HardDrive, the Boise, Idaho-based V-twin distributor, is celebrating its 10th anniversary this year.

"Over the last ten years, a lot of wonderful things have happened for HardDrive, and we wouldn't be where we are without the passion and efforts of our team, our partner vendors and most of all, our dealers," said Krys Brown, V-Twin Product Director at HardDrive.

"The growth of products this year is highlighted in the over 1,300-page 2023 HardDrive catalog, showcasing more than 1,000 new part numbers. The strength and drive of our industry and the direction HardDrive is headed in are clear.

"New to the family this year are two exclusive brands with deep roots in the industry - both of which are entering distribution for the first time. They are Hofmann Designs with its famous carbon fiber body pieces and new Signature series billet accessory line, and JRI Shocks with its race-proven,



high-performance front fork cartridge kits and rear touring/M-8 Softail shocks."

Also added to the 2023 vendor line-up are three industry-leading manufacturers that will bring strong brand awareness to the catalog - Burly Brand, Hawg Halters Inc. (HHI) and Custom Engraving Ltd.

[www.hdtwin.com](http://www.hdtwin.com)



## H-D "Subsidiary" LiveWire ONE Electric Motorcycle Launches in Europe

LiveWire has announced its entry into the European market, citing it as "an exciting step in the company's geographic expansion strategy and the electrification of motorcycling around the world."

The company is introducing the LiveWire ONE to four European markets: Germany, France, the Netherlands and the United Kingdom. LiveWire ONE reservations of €100 will secure priority delivery beginning later in April.

Available in Nimbus Gray, Nightfall Blue and Liquid Black, reservations are being managed by the team at LiveWire Europe, offering a 'digital-first' sales model where consumers can interact directly with the brand, choosing color, accessories, delivery timing and their

preferred retailer. With over thirty retailers across Europe, each equipped with specialist EV capabilities to support the LiveWire customer, summer 2023 will see LiveWire Europe host customer events and demo opportunities featuring the LiveWire ONE. Assembled at Harley-Davidson Vehicle Operations in York, PA., the Livewire ONE has a claimed range of over 140 miles in the city and over 90 miles of mixed highway and city range (SAE

J2982 riding range test procedure data). The 15.4 kWh pack is said to power the bike from 0 to 100 km/h in 3.0 seconds.

Delivered with a full suite of advanced rider safety aids for traction control and ABS, it uses a 6-axis IMU to adapt to a variety of skill levels and riding. It is equipped with two charging methods as standard equipment and is said to provide the ease of overnight charging using Level 1 and rapid charging via DC Fast Charge with times as short as 30 minutes in a 20% to 80% charging scenario.

Initial MSRP pricing is €24,990 in Germany; €25,290 in France; €25,390 in the Netherlands and £22,990 in the UK.

[www.livewire.com](http://www.livewire.com)

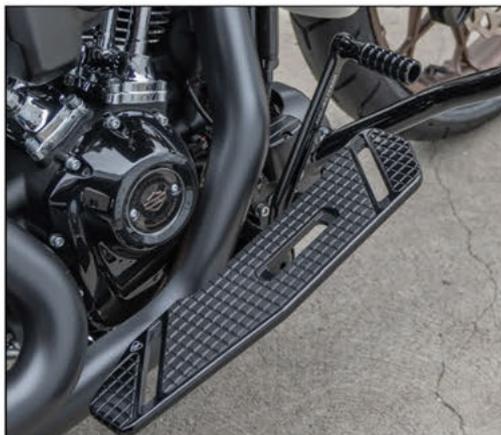




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**NEWS BRIEFS**

# Yamaha Motor First to Use 'Green Aluminum' in Japanese Motorcycles

**The Quaboag Riders Motorcycle Club is to host the 2023 AMA Hillclimb Grand Championship for the sixth time in the history of the 79-year-old club, on August 5-6, 2023, at its hillclimb facility in Monson, Mass., home of the famed "Monson Monster." Time permitting, August 5 will have the Verticross Class at the end of the event. The championship will culminate with the highly anticipated King of the Hill competition, which will take place on August 6 with the ten fastest riders of the weekend competing in a one-run exhibition for the honor of being crowned King of the Hill. Competitors will battle for AMA National Championship No. 1 plates as well as awards recognizing the AMA Hillclimb Racer of the Year, AMA Vet/Senior Hillclimb Racer of the Year and AMA Youth Hillclimb Racer of the Year.**

Flat track announcer, historian and former racer Scottie Deubler has been named as the Grand Marshal of the 2023 Mission Foods AMA Flat Track Grand Championship at the seven-day event on June 14-20 at the Du Quoin State Fairgrounds in Du Quoin, Ill. Known as "The Voice" of flat track in racing circles, Deubler is a third-generation flat tracker who raced in the sport's premier class, competing at renowned tracks like the Daytona Short Track, the Springfield Mile and Du Quoin's legendary "Magic Mile."

**Polaris has filed a lawsuit against Timbersled founder Allen Mangum (who sold the brand to Polaris some years ago) for Intellectual Property violation and trade secrets theft after he announced he was starting a competing snowbike brand. (PSB)**

BRP reported Q4 revenues of CAN \$3,076.3m, an increase of CAN \$728.8m or 31% compared to the same period last year, a record performance for a single quarter in the company's history. Retail sales were 21% up for powersports products, with North American SSV market share gains. FY2023 revenues were +31%, reaching an all-time record high of \$10,033.4m, achieving market share gains of over +5% in North America. BRP continued to invest in "future market-shaping products" with the completion of three acquisitions, the creation of its LVHA Group and the start of construction of a Can-Am electric two-wheel motorcycle production facility in Querétaro, Mexico.

Yamaha Motor announced that it has reached an agreement with an aluminum ingot supplier for the procurement of 'green aluminum' and began using it as a raw material for parts in Yamaha motorcycles from February 2023.

This is the first time that the material has been used in Japanese motorcycles and Yamaha Motor plans to gradually expand its usage in models going forward as part of its plan to adopt low-carbon aluminum in the drive toward carbon-neutral materials.

'Green aluminum' is aluminum that is refined using renewable energy sources to emit around 60% less CO2 in its manufacture compared to traditionally refined aluminum. "Aluminum parts account for 12% to 31% of the total vehicle weight of a motorcycle, so adopting 'green aluminum' is one effective approach



for reducing CO2 emissions from the raw material manufacturing part of a product's life cycle (it falls under Scope 3 Category 1 emissions for supply chains).

"Through the development of its engineering and production technologies and expertise, Yamaha Motor has actively pushed the use of

recycled aluminum, which now comprises some 80% of Yamaha Motor's aluminum usage.

In line with the Yamaha Motor Group Environmental Plan 2050, the company is aiming to achieve carbon neutrality throughout all of its business activities - including its entire supply chain - by 2050.

## From Zero to Hero

California based electric motorcycle manufacturer Zero has agreed to collaborate with Indian manufacturer and former Buell partner Hero MotoCorp on new premium electric vehicles.

Hero MotoCorp, one of at least three Asian manufacturers which claims to be "the world's largest manufacturer of motorcycles and scooters," is to invest up to \$60m in Zero Motorcycles. Dr. Pawan Munjal, Chairman & CEO, Hero MotoCorp, said: "Our partnership with Zero Motorcycles is a significant milestone in our journey towards ushering in an era of sustainable clean technology in the mobility space. With Zero as our partner, we look forward to accelerating the transition of electric mobility in India and across our global markets."

For Zero, CEO Sam Paschel is quoted as saying: "We are delighted to have Hero MotoCorp as our partner. Our companies are both committed to transforming the riding experience and bringing remarkable, innovative products to the world. With these shared passions, we look forward to delivering exceptional value, performance and fun for our customers."

In keeping with its vision 'Be the Future of Mobility', Hero MotoCorp is addressing the emerging mobility space, including electric vehicles, through a range of third-party and in-

house developed initiatives and has an advanced R&D facility based in Munich, Germany, to help it develop state-of-the-art solutions. Under its emerging mobility brand, VIDA, Powered by Hero, the company has already launched its first EV, the VIDA V1 scooter, and has initiated operations of its public charging infrastructure in India.

Pawan Munjal recently introduced three new products in Turkey - the Xpulse 200 4V motorcycle and its Dash 110 and Dash 125 scooters.

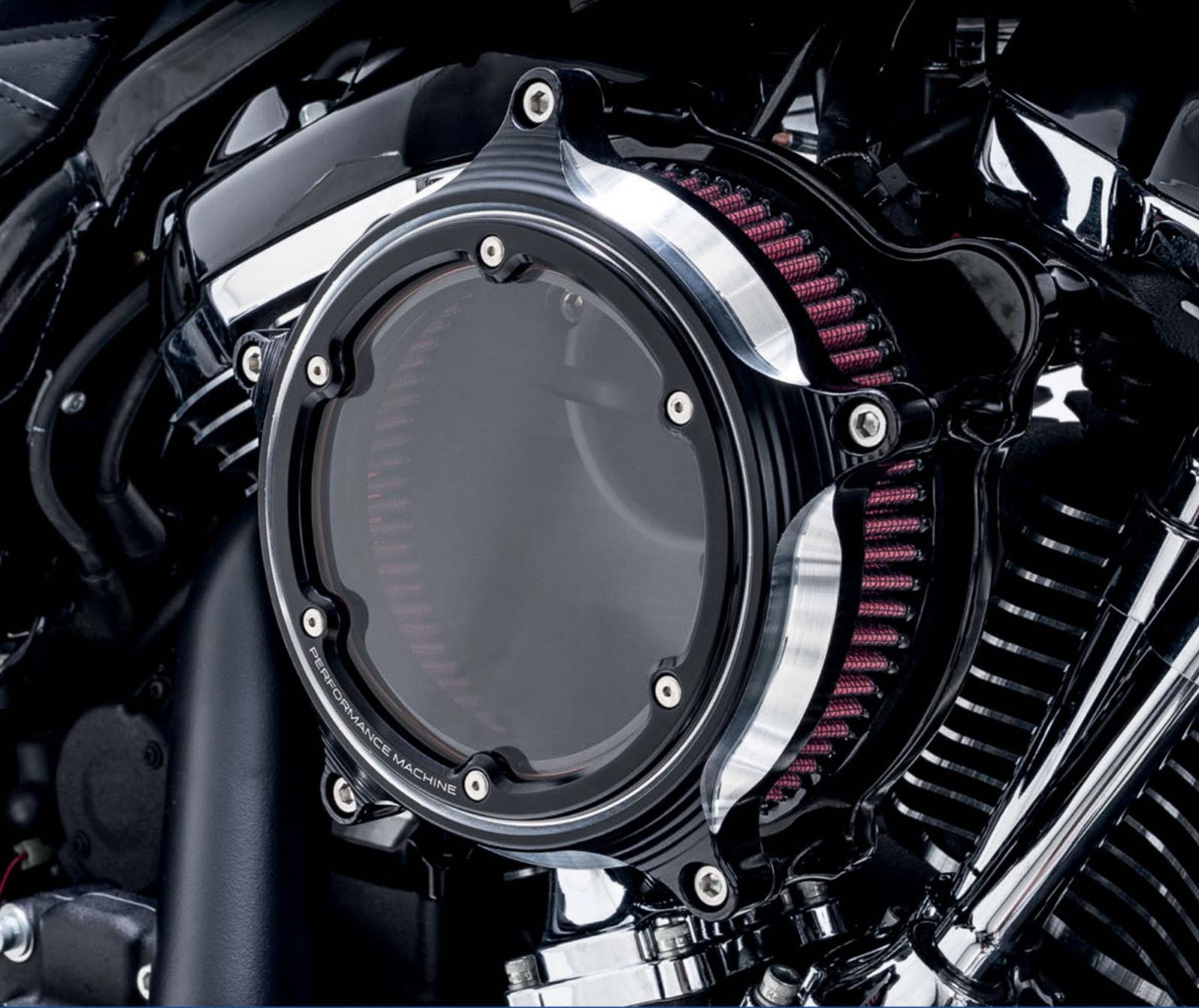


Zero CEO Sam Paschel



Sources: AMD, IDN, FT, Reuters, PSB, MPN, BDN, MCM, AP, Bloomberg, MSNW, Electrek, electricmotorcycles.news, RideApart.com, Motor1.com, Cycle World, motorbikewriter.com

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NEWS BRIEFS

Yamaha has established a U.S. based Yamaha Motor Exploratory Fund, L.P. II, a company-financed 10-year fund with a total investment of \$100m for exploring technologies and opportunities aimed at new business domain expansion and securing competitive advantages (PSB/Visor Down). This is the second such fund in the past five years that Yamaha has invested in. The search for companies to invest in will be carried out by Yamaha Motor Ventures (YMV) - Yamaha's corporate venture capital arm.

Polaris continues to help spotlight and celebrate the participation of women riders in powersports as an official partner of International Female Ride Day (IFRD). Polaris is inviting women riders, no matter their powersports vehicle of choice or their skill level, to "Just Ride" on Saturday, May 6. To continue to listen and learn from women riding enthusiasts across powersports, Polaris is also launching a new survey on IFRD aimed at gathering insights and elevating the perspectives of women riders. IFRD aims to keep women at the forefront of riding and encourages new women to join, while promoting the diversity of women already engaged in all aspects of the powersports industry. Women can join in by riding their off-road vehicles, motorcycles, three-wheeled vehicles, boats or other powersport vehicles on May 6 and use the hashtag #IFRD2022 to join in the conversation. Polaris is celebrating IFRD across the U.S. and around the world with off-road and on-road group rides, dealer events and demo rides to further empower, recognize and welcome the participation of women in powersports.

H-D will make a MY2023.5 introduction for the CVOs at the 120th 'Homecoming' in Milwaukee in July 2023. They will feature a new engine (121 water cooled) and chassis for the Touring bikes that will become standard for the 2024 model year. The 121 cu in models will have Variable Valve Timing (VVT) in the CVO models and 117 cu in non-VVT for the rest of the Touring line-up, with all MY models expected, at this stage, to be water-cooled. Leaked pictures suggest new bodywork too, as well as engine and chassis.

# Top Three German Harley Dealers Honored

Harley is now represented by 66 authorized dealers in Germany, and for 2023 Harley-Davidson Germany GmbH has selected what it considers to be the three best.

Number 1 is Harley-Davidson Staalfabrik from Rostock, closely followed by House of Thunder (Harley-Davidson Lübeck) and Harley-Davidson Pfeiffer from Kamen. As part of a ceremony with the German dealers at the "Motorräder" trade fair in Dortmund, Kolja Rebstock, Harley-Davidson Motor Company Regional Vice President EMEA (Europe, Middle East and Africa) and Managing Director DACH (Germany, Austria and Switzerland) handed over trophies to the representatives of the three winning companies.



From left to right: Jens Pott (House of Thunder - H-D Lübeck), Olaf Stellmach (H-D Staalfabrik Rostock), Lars Gercke (H-D Staalfabrik Rostock), Kolja Rebstock (H-D Regional Vice President EMEA and Managing Director DACH) and Tom Pfeiffer (H-D Pfeiffer)

# HardDrive Partners with Hofmann Designs and Custom Engraving LTD

In its 10th anniversary year, HardDrive (WPS' V-twin specialty distribution division) is partnering with Hofmann Designs and Custom Engraving LTD.

Hofmann Designs' owner Curtis Hofmann is quoted as saying: "We are excited about this new venture, allowing us to bring our products to a broader market. HardDrive is the perfect match. We look forward to pushing the envelope with new and exciting products alongside a company that understands our vision and process as a parts manufacturer."

The craftsmanship of Hofmann's

production has made his work a firm favorite with many leading custom bike builders, not least Paul Yaffe. The exclusive partnership with HardDrive will feature Hofmann's famous carbon fiber body pieces and new Billet Signature Series accessory line - including floorboards, footpegs, brake pedals, pullback plates and more.

Krys Brown, V-Twin Product Director at HardDrive, said: "The team at Hofmann Designs has a strong history of setting industry trends and standards with its innovative and high-quality carbon designs and with its Billet



Signature Series accessory line. We are excited to provide our global dealer network access to this exclusive distribution partner."

Tim Tracy's Slinger, Wisconsin based Custom Engraving LTD is known for its derby, timing, air cleaner and consul (fuel door) covers, and Tim prides himself on being able to engrave and customize "almost anything!" "The optimum level of quality that is coming off the machines from this US-based manufacturer is bar none. Custom Engraving LTD has created a strong following for its unique and trendy Derby and Points Cover design line. We're thrilled to offer these products to our global dealer network," says Krys.

[www.hdtwin.com](http://www.hdtwin.com)





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NEWS BRIEFS

In USA, Zero is upping its 'Go Electric Incentive' with either 0% financing or rebates up to \$4,500 on all 2022 and 2023 models until May 31st. That makes the Zero S available at just over \$10k and the DSR/X now coming in at under \$20k.

Now available in USA (see **Tex Mawby** story elsewhere in this edition of AMD), British waxed cotton apparel manufacturer Merlin has been hired to produce riding jackets and pants by the BSA comeback, owned and operated in Coventry, England, by Indian conglomerate Mahindra.

AMD congratulates all the vendors who made it into the PSB 'Nifty Fifty' for 2022, including AMD regulars Feuling Parts for its BA air cleaner, Hawg Halters for its 13 in rotor stock brake caliper adaptor, Le Pera's Tailwhip seat, National Cycle's accessories for the Honda Rebel, PM's off-road performance big brake kit, the S&S turbo kit for the Kawasaki KRX 1000 and SBS for its progress towards near complete 'Better Brakes' program compliance.

The Redline Powersports Group recently added Indian Motorcycle Charlotte (Lowell, NC.) - its fifth motorcycle store in total and second Indian Motorcycle dealership.

Only weeks after Zero Motorcycles confirmed an investment from former Erik Buell nemesis Hero MotoCorp (of India), it has announced a "strategic manufacturing collaboration" with Laguna, Philippines based Integrated Micro-Electronics Inc. (IMI), an electronics manufacturing services company, to build its electric motorcycles. IMI will assemble Zero Motorcycles' electric motorcycle models and other motorcycle sub-assemblies. "This work will be done in conjunction with the manufacturing facilities for Zero located in Scotts Valley, California. The modular assemblies and complete motorcycles supplied by IMI will be delivered to Zero's customers and dealers globally with a primary focus on the European and Asian markets."

Against a backdrop of activist investor rumblings, RumbleOn has reported record full year and Q4 powersports unit sales while executing on some \$15m plus of SG&A cost reductions. Total 2022 powersports sales of 73,413 units, with used powersports units of 31,764, resulted in powersports segment revenue of \$1.4bn and segment gross profit of \$429.9m, comprising over 95% of total company gross profit.

# Merlin Hires 'Tex' Mawby for U.S. Office

British wax cotton apparel specialist Merlin has opened a United States operation, headed up by former Gerbing, TCX boots and REV'IT! man Michael 'Tex' Mawby as its USA and Canada Country Manager. Prior to joining Merlin North America, Mawby was the Director of Sales and Marketing for Just1 Racing owner H&H Sports Protection (Torc, Nitek and Origine helmets). A former amateur road racer, Mawby has previously won four national championships with the AMA, WERA and US CRA racing series in the U.S. Based in Philadelphia, Mawby will be focused on growing Merlin's distribution and retail network in the States and Canada. Patrick Franklin, Sales Operations Director at Merlin, said: "Over the last ten years, Merlin has grown strongly

based on our mission of providing the best protection in motion from our apparel lines. "Built through the highest progressive innovation available, yet ensuring that every rider receives amazing 'bang for their buck'. This is a proposition that has seen Merlin generate almost three quarters of our revenue outside our home market in the UK. Merlin has been supplying into the U.S. since 2016 with an amazing consumer response, so with the interruption of Covid-19 behind us, it is the right time to step our U.S. operations up a level." Mawby said of his appointment: "I am ecstatic to have been given the opportunity to lead Merlin in North America. The design, features, construction and quality of our apparel collection is unparalleled and, in



my opinion, complete. "My new colleagues in the UK have built a great brand and most importantly, a strong culture. 'For Riders, By Riders' is more than a marketing slogan, it is a credo that guides Merlin's values and principles. I am looking forward to sharing and growing this culture in the USA, Canada and Mexico for years to come." [www.merlinbikegear.com](http://www.merlinbikegear.com)

# Gilles Tooling Becomes Indian Motorcycle Racing Technical Partner

Indian Motorcycle Racing and noted performance parts and accessory manufacturer Gilles Tooling (Luxembourg) have announced a collaboration that will see Gilles build on its already established partnership with Indian Motorcycle as an accessory supplier for the FTR1200. In addition, Gilles will now act as a technical sponsor for the Indian Motorcycle Racing Team. "As we share a common passion for motorsport, we are excited about the opportunity to participate in races and other events together," said Gilles founder and CEO

Gerhard Gilles. "We are confident that this collaboration will be beneficial for both, Gilles and Indian Motorcycle Racing. The roots of Gilles lie in racing. We have always kept close ties to racing and have been supporting world class teams ever since our foundation. "The feedback from the racetrack influences all our products. The high number of World Champion titles we have helped teams win reflect our pedigree, and we remain represented as a sponsor in many racing series this



year," says Gerhard. "For us, design and aesthetics have not been our only, but rather, from the start, it has been our engineering skills, in all parts of design, engineering and production that have been the Gilles hallmark - we are driven by function." [www.gillestooling.com](http://www.gillestooling.com)



The brand partnership between Gilles and Indian Motorcycle Racing announced late last year saw the Luxembourg based manufacturer become a co-branded parts supplier of nine new FTR1200 parts designs, including these performance adjustable rearsets and levers.

Sources: AMD, IDN, FT, Reuters, PSB, MPN, BDN, MCM, AP, Bloomberg, MSNW, Electrek, electricmotorcycles.news, RideApart.com, Motor1.com, Cycle World, motorbikewriter.com

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**Alloy Art:** Combi Stabilizer Kit

**Arlen Ness:** Blue Anodized MX Footpegs,  
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**Bassani:** Road Rage III 2-into-1 Exhaust System\*

**Custom Cycle Engineering:** 49mm Gold  
Fork Tubes, Solenoid Starter Button

**Custom Dynamics:** ProBEAM Black  
LED Headlamp, Yellow LED Driving Light Bar

**Drag Specialties:** Black Handlebar Control Kit w/  
Mechanical Clutch, Black Universal Brake Line

**Figurati Designs:** Black Skull Timing Cover,  
Skull Seat Mounting Knob

**Klock Werks:** FXRT Flare Windshield

**LA Choppers:** Stainless Valley Handlebars,  
10" Black Anodized Riser Kit & Grips

**Legend Suspensions:** AXEO High Performance Front  
Suspension System, Revo ARC Piggyback 13" Gold Coil Rear Suspension

**Michelin:** Commander III Touring Front & Rear Tires

**Performance Machine:** Revolution Gold Front & Rear Wheels,  
Dominator Black Ops Front & Rear Brake Rotors, Contrast Cut  
Radial Front Brake Caliper & Classic Rear Caliper Kit

**S&S:** Stinger Teardrop Air Cleaner Kit\*

**Saddlemen:** 1WR Performance Gripper Seat

**Slyfox:** Gloss Carbon Fiber Horn Cover

Check out more details on this bike at various rallies and events throughout the year; or log onto [dragspecialties.com/bike-builds](http://dragspecialties.com/bike-builds) to view the complete parts list.

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Sources: AMD, IDN, FT, Reuters, PSB, MPN, BDN, MCN, AP, Bloomberg, MSNW, Electrek, electricmotorcycles.news, RideApart.com, Motor1.com, Cycle World, motorbikewriter.com

Whether or not Polaris has been stung into action by Harley's broadening of the listings on its H-D1 Marketplace, something has prompted Polaris to "enter the space." Its new 'Polaris Xchange Powersports Marketplace' is designed to "give consumers an easy and convenient way to shop online for new and used vehicles. Polaris Xchange puts consumers in the driver's seat as they shop online for off-road vehicles, snowmobiles, motorcycles, side-by-sides, auto-cycles and ATVs, offering an extensive inventory of new and used Polaris powersports vehicles."

**Former Vance & Hines Marketing Director John Potts has changed lanes - he is now working for Drag Specialties as a Southern California Sales Executive.**

A profit decline at the storied Bell Helmets' owner Vista Outdoor Action Sports has led to layoffs and closure of its Scotts Valley, California offices, with remaining staff being relocated to the Fox Racing HQ at Irvine, Ca. Vista, the owner of Bell since 2016, and Fox since last year, is reportedly looking for some \$50m of total cost reductions. Its "earnings improvement program" calls for an "accelerated merger" between several Vista owned brands (including Blackburn, Copilot, Giro, Krash and Raskullz, as well as Bell and Fox themselves) into what will become an "innovation center" at the Fox Racing facility - one that will "unite our teams under one roof while honoring each brand's unique, valued and untouchable culture and ethos."

**Biker Fest International - 'AMD Approved'**

One of Europe's longest established custom bike shows, and an event that regularly attracts up to 80,000 visitors, Biker Fest, at Lignano Sabbiadoro near Udine in Italy (May 18-21) is, effective this year, a founding member of the new 'AMD Approved' custom bike show program.

Located on Italy's Adriatic coast (100 km north of Venice), Lignano Sabbiadoro is on a spectacular peninsula that reaches out into the Adriatic - with the custom bike show staged right on the coastal strip of the resort.

Celebrating its 36th anniversary this year, the show has regularly provided several great examples of the best of Italian style custom bike design and engineering for the 'AMD' World Championship and now, under this new program, Biker Fest is recognized and 'approved' by AMD and its team of custom bike journalists as an authentic, successful, well staged and well organized contributor to the custom bike industry.

Micke Persello, of Bikers Life magazine fame and organizer of the weekend, says: "Biker Fest is the largest single annual outdoor event in Europe and is a pioneer of custom culture in Italy and in Europe."

"One of the highlights is the 'Saturday Light Parade' through the streets of Lignano Sabbiadoro that sees thousands of bikes parading along the coast with their fantastic sounds and lights."

"Cornerstone of the weekend's celebration of all things custom is the



**2022 Best in Show and winner of the Italian Motorcycle Championship: Mirko, Gallery Motorcycles (Brescia) Harley-Davidson WL**

historic Custom Bike Show - founded in 1987, and along with the Custom Bike Show at Norrtälje, Sweden, every summer (Twin Club MC), one of the two oldest custom bike shows in the world. "In addition to being an integral part

of the 'AMD' World Championship program, and the official qualifying event for the Italian market, Lignano is also the final of the 15 custom shows that constitute the Italian Motorcycle Championship (IMC)."

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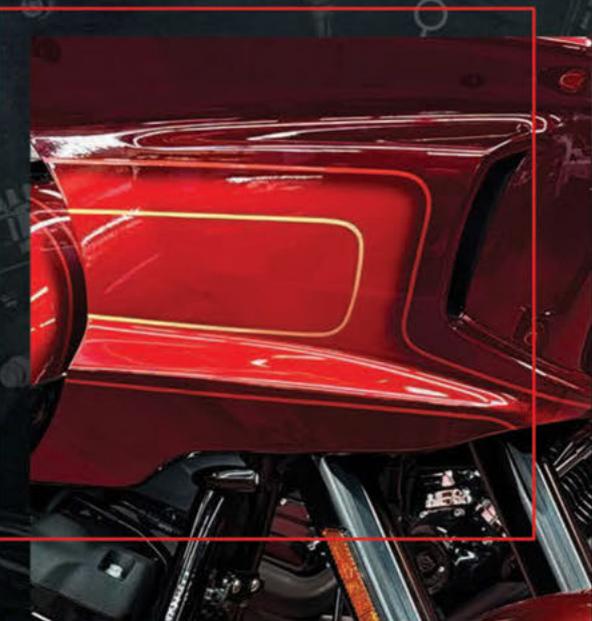
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NEWS BRIEFS

Arrowhead Engineered Products (AEP - the Blaine, Minnesota based owner of WPS, HardDrive and All Balls among others) has opened a new 'Mega Warehouse' at Portland, near Nashville, TN. Said to feature "advanced logistics technology to enhance service and delivery capabilities," the 540,000 sq ft aftermarket parts distribution facility will employ 400 people full-time when fully commissioned. AEP says this will take its North American fulfillment and distribution center network number to 22 locations.

**H-D is looking for a new CFO already. Gina Goetter joined H-D in 2020, but has now left to "accept an opportunity outside the company." David Viney will serve as Interim CFO and Treasurer until an executive search concludes.**

The National Motorcycle Museum (Anamosa, Iowa) has announced that it will be closing its doors for good at the end of business day 5:00 p.m. on September 4, 2023. Based on John and Jill Parham's collections and many loanee bikes, the conceptual origins of the museum lay in the original National Motorcycle Museum at Sturgis that John and Jill had generously funded and, ultimately, rescued from bankruptcy and moved to Anamosa in 2000.

**The 2023 French GP at Le Mans will mark the 1,000th event in the history of the championship. MotoGP was the world's first motorsport world championship, having begun in June 1949 on the notorious Snaefell Mountain course on the Isle of Man. That first 500 cc race was won by Briton Harold Daniell on a Norton, ahead of another Briton, Johnny Locket, also on a Norton, and Irishman Ernie Lyons third on a Velloccette. At the end of a six-race frost season (IOM, Switzerland,) Assen in the Netherlands, Spa-Francorchamps in Belgium, the Clady Circuit in Ulster/Northern Ireland and Monza, another Briton, Leslie Graham, took the first ever Motorcycle GP Championship title on an AJS, with the Gileras of Nello Pagani and Arciso Artesiani in second and third place in the standings. At the end of that first season, the top 20 consisted of five Nortons, four AJS, three Gileras and Moto Guzzis, and two each of Velloccette and Triumph. There were 12 British riders in the top 20 final standings, six Italians, and one rider from each of Ireland and New Zealand.**

# Custom Bike Show - #49

## Twin Club MC, Norrtälje, Sweden, June 3

In an annual national holiday ritual, dozens of builders and thousands of riders will descend on the coastal city of Norrtälje from all points of Sweden, Norway, Finland - and further afield - for Europe's oldest established custom bike show and, arguably, the oldest and longest established custom bike show in the world.

This will be the 49th staging of a show that has also been the longest established member of the AMD World Championship of Custom Bike Building Affiliate program. Pending any long-term solution for a return of the 'AMD Finals' in some



event at which many famous name custom bike builders have competed - including present-day Director of Product Design at Indian Motorcycle, Ola Stenegård.

The 'Twin Club Show' has long been a trend-setting international showcase for the famous 'Swedish Style' long-fork choppers, but as a platform it has also shown that there is so much more to Swedish motorcycle design and engineering - while 'Keeping The Flame Alive' the 'Twin Club Show' has also shown the world the superb originality, craftsmanship and engineering quality that has made Sweden one of the cradles of custom bike building design innovation.

form or another, AMD Magazine is now proud to recognize this, one of the most influential of custom bike shows, as an 'AMD Approved' show. A one-day show, in the past the Twin Club MC organized event has produced many stunning bike builds, including a former European and World Champion, and has been an

[www.custombikeshow.se](http://www.custombikeshow.se)

# Rising Thunder Custom Bike Show

## Taurage, Lithuania - June 10, 2023

First staged in 2011, the one-day Rising Thunder Custom Bike Show is staged at Taurage, Lithuania, by Twins Forever MC.

Formerly an AMD World Championship of Custom Bike Building 'Affiliate' show, pending a long-term solution to the future of the currently suspended AMD Finals, we are proud to confirm Rising Thunder as the fourth member of the burgeoning 'AMD Approved' custom bike show recognition program.

Last held in 2019, the show usually alternates with the MC XIII Custom Bike Show staged at Cesis in neighboring Latvia. With the pandemic now receding in the rear-view mirror of history, Rising Thunder will be staged again this year at Taurage in Lithuania on June 10, and will feature €2,000 of prizes.

There will be Best of Show and Public Choice awards, with classes slated to



include Best Freestyle and Best Modified Harley-Davidson. Judging will be by a jury composed of non-competing customizers and Twins

Forever club members, endorsed by the 'AMD Approved' show conduct quality mark.

[www.custombikeshow.lt](http://www.custombikeshow.lt)

Sources: AMD, IDN, FT, Reuters, PSB, MPN, BDN, MCN, AP, Bloomberg, MSNW, Electrek, electricmotorcycles.news, RideApart.com, Motor1.com, CycleWorld, motorbikewriter.com

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**NEWS BRIEFS**

**Ideanomics owned Energica has announced that its Energica Inside division has entered into two separate partnerships - with French consultant Phenix Air Corp and Czech manufacturer Pure Flight - to develop all-electric solutions for ultra-light and light category aircraft.**

Norton has started to make deliveries of its new, re-engineered V4SV - the 185 bhp, 1,200 cc V-four luxury sports bike that got caught up in the fallout from the collapse of the Garner era Norton farrago before the brand was bought out of bankruptcy by Indian conglomerate TVS and rehomed at a new production facility at Solihull, Birmingham, in England. Deliveries of its new Commando variants are also underway in this, Norton's 125th anniversary year. (BDN)

**Germany has reached a deal with the EU on the future use of combustion engines that breaks an impasse between Berlin and Brussels, or more specifically between German auto makers and the environmental lobby, by the EU agreeing to allow some combustion engines beyond 2035. The bloc and its largest economy had been at odds over the planned 2035 phase-out of CO2-emitting cars. Germany had wanted assurances that new combustion engine cars can be sold beyond the deadline if they run on e-fuels - a request supported by parts of Germany's powerful car industry. Vehicles with internal combustion engines can still now be newly registered after 2035 if they fill up exclusively with CO2-neutral fuels.**

Sources: AMD, IDN, FT, Reuters, PSB, MPN, BDN, MCN, AP, Bloomberg, MSNW, Electrek, electricmotorcycles.news, RideApart.com, Motor1.com, CycleWorld, motorbikewriter.com

# Tucker - Exclusive U.S. Distributor for Kellermann

Tucker Powersports has announced an exclusive U.S. distribution agreement with Kellermann GmbH, the German manufacturer of high technology premium lighting products for motorcycles.

Internationally recognized for its award-winning style and tremendous popularity in the custom bike community, dealers in the United States now have convenient access to the complete Kellermann range of high-quality lighting solutions through all seven of Tucker's U.S. distribution centers.

Based in Aachen, Germany, Kellermann has been manufacturing motorcycle accessories for over 30 years. The company's turn indicators and other lighting products have set industry standards for brightness and style and have earned a cult-like

following among motorcycle customizers and designers.

Marc McAllister, CEO of Tucker, said: "With design awards from Red Dot and the Chicago Athenaeum [and AMD Magazine], the broad product line can deliver classic style or dramatic custom looks. Kellermann is a premium brand and has worked previously with Tucker's Kuryakyn program to develop the tremendously successful Tracer lighting systems launched in 2021 and 2022.

"Kellermann and Tucker share a passion for technology and product innovation. This partnership is an opportunity for two tremendous brands to have a significant impact in the motorsports industry. We are preparing for the launch of Kellermann's newest products in the next few weeks. These will reinforce the technology and quality leadership of the Kellermann brand."

Dr. Stefan Woeste, CEO of Kellermann, said: "Together with Tucker and its extensive dealer network, it is time to consolidate the pent-up demand for our products in the United States and take U.S. availability to the next level in the U.S. market. This partnership will make the upcoming introduction of our newest lighting products even more impactful."

The current Kellermann product line includes powerful, durable, German precision manufactured lighting products, mounts and related electronics.

[www.kellermann-online.com](http://www.kellermann-online.com)



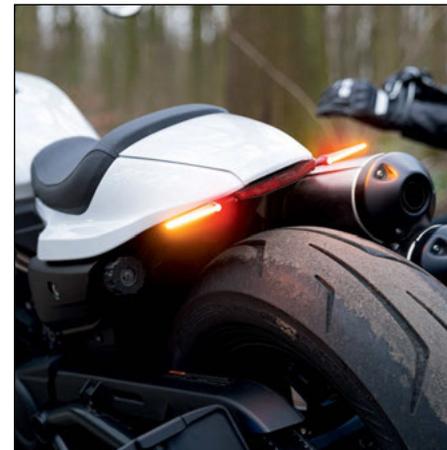
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NEWS BRIEFS

MV Agusta's restructuring has been completed following the final decision of the settlement with the creditors under Italian law ("Concordato Preventivo in Continuità Aziendale"). In its judgment of December 29, 2022, the court in Varese declared the proceedings to be over. The judges had previously determined that all outstanding debts to creditors and all obligations arising from the settlement had been settled in full. The company explicitly points out that this result was only possible thanks to the strong commitment of the Sardarov family. Four years ago, the Russians took control of the company and have provided financial support since the settlement began in 2017. Since then, more than €180m has gone into restructuring business practices, paying off all debt, supporting MV Agusta's day-to-day operations and ensuring a solid business plan for future growth. In November 2022, KTM AG, a subsidiary of PIERER Mobility AG, took a 25.1% stake in MV Agusta Motor SpA as part of a capital increase and thus holds a blocking minority stake. (B&B)

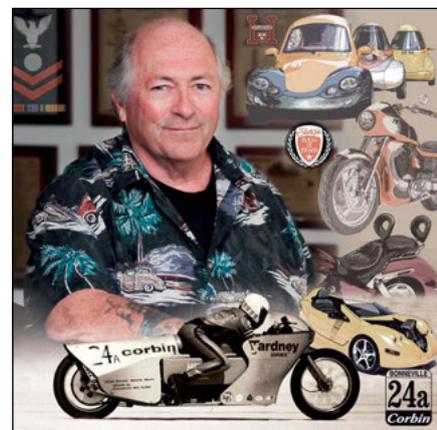
**Never slow to spot an opportunity, Philadelphia based Comoto has jumped in to be title sponsor of the 2023 AMA National Adventure Riding Series with its Revzilla retail brand. "The series currently offers 13 two-day events across the country and is designed to meet the needs of adventure riders looking to explore off-road terrain on their motorcycles," says AMA COO James Holter. "Revzilla's involvement increases much needed and valuable support for the AMA and our chartered organizations that deliver challenging and inspiring events for adventure riders across the country."**

# Long-Time EV Proponent Mike Corbin Blazes a New Trail in Rotational Power



Long considered the Holy Grail of clean energy, the elusive magnet motor has remained more the fodder of legend than the future of energy. That may have changed now that California startup Motoflux Inc. has announced a functional proof-of-concept motor that generates rotational energy directly from permanent magnets. Founded by motorcycle and EV industry veteran Mike Corbin, this milestone marks what is sure to become a paradigm shift in motor development and green power. "The idea of Motoflux is that we want to extract power from the force stored

As a result, the Motoflux device has shown a torque output increase of 4-25 times over input. These gains, Mr. Corbin explains, are produced solely from the power of the permanent magnets inside the Motoflux motor. Requiring a significantly lower level of energy input to operate, the Motoflux motor consumes a fraction of the power required by current electric motor designs and therefore needs less energy storage. With more than two million electric cars already on the road in the U.S. and the potential for low-cost stationary generators, the environmental implications are staggering.



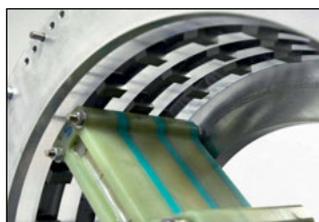
'the Motoflux principle is now available for license'

in permanent magnets. The Motoflux principle gives us a way to get a magnetic field to rotate and give us torque," says Mr. Corbin. The Corbin Motoflux principle uses a unique, three-component design incorporating a radial director that distorts the magnetic lines of flux in the armature. As the flux lines seek to shorten and tighten, the armature is drawn forward to the next closest pole tip of the stator.

"Think of the potential of removing most of the battery mass of all those electric cars and minimizing the carbon footprint (of battery production). "Imagine the contribution Motoflux can make to the dilemmas we have now with rolling blackouts in California. They actually mandated the sale of electric vehicles, and then they ask you not to charge them on weekends!"

The Motoflux principle is now available for license, so motor engineers around the world can design highly efficient powerplants for their specific needs. As the next logical step in the evolution of motor design, this groundbreaking powerplant offers simple, highly scalable manufacturing with minimal component.

[www.corbin.com](http://www.corbin.com)



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# The Arch 1s Finally Ready for Production

First shown to a style-conscious, admiring crowd in Italy at EICMA in 2017, five years of subsequent development and eyeing what was happening to the market have finally resulted in the Arch 1s, its third model, being ready for production. Described as drawing influence from both cruiser and street sport riding "to

create a motorcycle that defies industry categorization," the 1s features the first production single-sided billet aluminum swingarm from ARCH and rear/mid-mounted foot controls provide a more aggressive riding position.

Lead designer Gard Hollinger describes it as having "a more agile, shorter wheelbase, quicker steering and lower steering neck height for a sportier and more aggressive ride" than that offered by its existing KRGT-1 and Methos 143 cruisers.

It features 17" carbon wheels front and rear, with Swedish made ISR dual 6-piston calipers at the front, Öhlins suspension front and rear, a billet aluminum chassis with a different geometry to the KRGT-1 despite the difference being hard to spot "from



the outside." Power is from a 124 ci, high-torque ARCH/S&S V-twin engine, complemented by an ARCH-designed exhaust carbon fiber system. "The chassis combines a steel mainframe with machined billet aluminum

subframe to create a unique performance architecture which gives the 1s intuitive handling and power delivery."

The sport-influenced 1s provides a "more aggressive riding position, allowing for smoother transitions and harder cornering - it feels more like you are sitting on the bike than in-the-bike, as is the case with the KRGT-1," says Hollinger.

[www.archmotorcycle.com](http://www.archmotorcycle.com)



## TECH SPEC

<b>Engine:</b> S&S Cycle T124 45-degree downdraft fuel-injected V-twin engine
<b>Displacement:</b> 124 ci (2,032 cc)
<b>Drivetrain:</b> Proprietary six-speed drivetrain with compact high-torque mainshaft and compact dry clutch
<b>Chassis:</b> Tubular steel frame with CNC-machined aluminum subframe; single-sided swingarm
<b>Front Suspension:</b> Fully adjustable ARCH/Öhlins FGRT series fork
<b>Rear Suspension:</b> Fully adjustable ARCH/Öhlins rear shock with reservoir and hydraulic pre-load adjustment
<b>Front Brakes:</b> Dual ISR 6-piston monobloc radial mount calipers with ISR floating dampened discs
<b>Rear Brakes:</b> Single ISR 4-piston monobloc radial mount caliper with ISR semi-floating disc
<b>ABS:</b> BOSCH front wheel; 17" BST carbon fiber
<b>Rear Wheel:</b> 17" BST carbon fiber
<b>Front Tire:</b> 120/70-17 Michelin Power RS
<b>Rear Tire:</b> 240/45-17 Michelin Power RS
<b>Foot Controls:</b> Mid-mounted foot controls
CARB/EPA compliant; ABS standard equipment on 2021-later 1s models

## Zero - SR-X Concept

This SR-X Concept is the latest result from Zero Motorcycle's 'Future Development Program' and of its ongoing collaboration with Bill Webb at San Francisco based Huge Design. The 'Future Development Program' "brings together some of the industry's most talented designers and engineers, combining Zero's engineering and product teams to push the boundaries of what's possible with electric motorcycles."

Zero goes on to state: "Bill Webb from Huge Design has played a key role in Zero's vision for the future. He inspired the popular FXE motorcycle by designing its concept bike

'low, front-heavy silhouette'

predecessor. The SR-X is the latest example of his visionary concepts and Zero's commitment to innovation. This semi-faired concept bike showcases Zero's industry-leading electric powertrain and boasts both performance and style."

Bill Webb says: "The SR-X concept bike strives to hit a design sweet spot for the near future of electric motorcycles by combining clean lines and disciplined design-detailing with the aggressive stance and raw performance found in modern liter bikes.



"This bike is an attempt to define a new sub-category for high performance electric - something between a streetfighter and a track bike. We wanted true sport riders to appreciate the subtle and balanced design approach - modern, futuristic and clean without sacrificing the raw-performance look and overtly mechanical appeal of high-performance motorcycles.

If it makes it to production, Zero says that the SR-X would be powered by its "advanced" ZF75-10 electric motor and latest ZF17.3 lithium-ion battery."

There is no indication at this stage as to whether or not the SR-X will transition from concept to showroom, but either way it is an interesting and

'something between a streetfighter and a track bike'

business-like statement of intent as it, and indeed the whole electric PTW market, continues to explore and develop its "art of the possible."



# RGNT Motorcycles - Sport Extended Electric Production Models

In late 2022, Swedish EV motorcycle manufacturer RGNT Motorcycles announced the launch of its new Sport Extended (SE) model line-up. Following extensive customer testing of the previously released limited edition SE models, the new, highly customizable Classic SE and Scrambler SE are successfully homologated and ready to silence city streets and coastal boulevards all over the world. Referencing these two new models, RGNT's CEO Måns Danielsson says: "Both models have matured in design and are true to our self-confident design vision. Both models now have even more in-house developed components." Founded in 2019 in Sweden, "we aim high," says Danielsson. "Wildly ambitious yet underpinned by a strong



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## SE TECH SPEC

- Top speed: 120 km/h**
- Range: 148 km**
- Peak Power: 21 kW**
- Battery: 9,5 kWh**
- Charge 20-80%: 3 h**

customizable in an easy-to-use online configurator. From fenders to seats, and from tank colors to pads, headlight grills and luggage racks, the possibilities are endless. "The bike itself receives regular over-air updates and the app guides riders in their journey towards ultimate bike maintenance. An important part of this is treating the battery in such a way that it extends its life cycle, besides notifying when predictive maintenance is needed.



"highly customizable"

vision and in-depth know-how, we plan to silence boulevards, backroads and beaches globally by quickly expanding in a fast-growing bike-tech market.

"In shaping our electric future, we honor the great design achievements of the past. Our passion for iconic motorcycle design drives us to put high-end, timeless quality left, right and center in all our designs. Simply look at our bikes to see what we mean. "Bound to disrupt the motorcycle realm, our designs are high-quality, timeless and packed with game-changing innovation. Our quickly expanding family of motorcycles currently consists of the Classic and the Scrambler."



**An ode to classic design - from the days when machines were built to last. Hand-built, without taking shortcuts or compromising on the good stuff. Premium components, groundbreaking tech and hand-crafted details add up to an exclusive, state-of-the-art motorcycle.**

The new SE has several highlights, including new ride modes and an industry-unique One Throttle Drive system with regenerative braking. One Throttle Drive adds new functionality to the gas throttle, easing rider operation - twist and go basically. Twist it the other way (backwards) and

it will brake and fuel up the batteries through regenerative braking. To the existing Power and Range ride modes, RGNT has added a new Boost mode. In Boost the bike temporarily offers a peak performance of +20 kW at the twist of the throttle. "Both SE models are highly

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# Burly Brand All-New Diamondback Grip

Burly Brand has announced the launch of its latest product, the Diamondback Grip. "Designed to provide the ultimate grip for modern riders," says Product Manager Josh Rowlands. This new grip is available in both 1" and 7/8" sizes, making it compatible with a wide range of motorcycles. "The diamond patterned surface provides a secure grip, even in the most challenging of conditions, giving riders the confidence to perform daring stunts and rip through the streets with style. "Made from the highest quality rubber material, the

Diamondback Grip is built to handle the toughest of rides and designed to last. In addition to its superior grip, the Diamondback Grip features an embossed Burly Brand logo, a mark of quality that ensures riders are getting a product that is both reliable and stylish."

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# BS Battery Smart Chargers Now Available in USA

With more than 15 years experience in the battery industry, working closely with manufacturers to develop Original Equipment batteries (lead-acid, more recently lithium), the engineers at BS Battery have been able to use the information gained from working with manufacturers' own engineering teams to optimize BS' own product lines.

That knowledge and experience can now be 'money in the bank' for BS Battery dealers with an upgraded BS charger line that "is ideal for OEM manufacturers and end users."

Described as "designed with advanced microprocessors, 100% automatic, BS Battery smart chargers are now available in USA thanks to Parts Unlimited and Drag Specialties distribution - comprising three models: BS 10, BS 30, BK 20 - all compatible for lead-acid and lithium batteries."

The BS 10 6V and 12V smart battery charger and maintainer is rated at 1A, with a battery capacity up to 20 Ah. "Small, safe and easy to use, this charger is one of the most practical chargers that we ever made," says General Manager Benjamin Sebban. "It will always provide a good charge and be able to recover discharged batteries."

Also compatible with lead-acid and lithium batteries, BS 30 and BK 20 are two new smart chargers that offer a high charging current with high battery capacity. "An exhaustive charging program has been developed into these two battery chargers

to enable them to charge and maintain all battery sizes. "With a multi-axis hook, the BS 30 is a new 12V smart battery charger and maintainer, which can be hung anywhere. With a charging current of up to 3 Ah, the BS 30 is also able to work with battery sizes up to 60 Ah and up to 120 Ah for maintenance."

Developed for warehouse, professional workshop and garage use, the BK 20 is a new smart bank battery charger and maintainer, which offers three channels of charge. Described as "the new 3-in-1 solution for professionals," the BK 20 becomes "an essential tool as it can charge and maintain three batteries with different voltages and chemistries simultaneously," says Benjamin. "The new BK 20 is designed to save time, and our distributors and dealers can fix it onto a BS display with assembly parts - meaning you can charge batteries easier."

All BS Battery smart chargers are matching all latest U.S. certifications and delivered with clamps set and fused ring terminal set.

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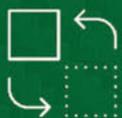
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# Tall-Bar Harness for Indian Chiefs



Oreland, Pennsylvania based NAMZ Custom Cycle Products has expanded its range of wiring solutions for Indian Motorcycle models with this easy install, all new, 100 percent plug-n-play harness for all 2022 and up Indian Chief models.

Designed to allow taller bars to be installed, taller risers, or to relocate speedometers, it features color-matching wire, OEM connectors and is covered with

PVC extruded tubing for a "finished" look. Celebrating 21 years in business, NAMZ and Badlands products are available through Drag Specialties, Parts Unlimited, Tucker, Mid-USA, J&P Cycles, V-Twin, Parts Canada, Parts Europe, Custom Chrome Europe, Motorcycle Storehouse, W&W, Zodiac, Rolli's Speed Shop in Australia and Performance Cycle Wholesale Limited in New Zealand.

**NAMZ CUSTOM CYCLE PRODUCTS**  
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[info@namzccp.com](mailto:info@namzccp.com)  
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# Kodlin 2" STR8UP Softtail Bars

Distributed exclusively in Europe by Custom Chrome Europe (CCE), these new Kodlin 2" Str8UP 'Midi-Apes' are "an extraordinary handlebar for an extraordinary look. The 2" diameter handlebar gives the bike a unique design." Suitable for heated grips, the 2" Str8UP is available in three heights: medium (280 mm), tall (380 mm) and extra tall (430 mm). The genuine 2" bars have a 1" bar end diameter and 1 1/4" clamping area. The clutch and brake master cylinder will need to be changed (to OEM 45138-08A). For Breakout models, Kodlin suggests short lower risers, and for Fat Boy models the Kodlin Big Block Risers are needed.

# Road Glide Factory Glovebox Detents

HAWG WIRED

California based audio specialist Hawg Wired has designed these new GBD152 detents for Rushmore 2015 and up Road Glide gloveboxes.

They hold the factory glovebox doors open when fully lifted and provide ease of access. The GBD152 kit is universal for all FLTR model bikes 2015 and newer and installs in minutes, with no modifications or tools required. Available directly through Hawg Wired in 5, 10, 20 and 50 pack cartons.



These high-quality injection-molded parts install with high-temperature 3M VHB double-sided tape. They have stainless steel ball bearings and music wire compression springs. All parts are Made in the USA.

The kit includes two GBD152 detent devices, two alcohol cleaning pads and the installation guide. The dealer packs can be found under 'accessories' when logged in to the Hawg Wired website, using an approved dealer account log in.

**HAWG WIRED**  
**Fremont, California, USA**  
**Tel: 510 656 2999**  
[support@hawg-wired.com](mailto:support@hawg-wired.com)  
[www.hawg-wired.com](http://www.hawg-wired.com)



"Of course, a fat handlebar also requires a corresponding riser. The perfect complement is the equally extraordinary look of the Kodlin Big Block Riser" - as also seen here.

Suitable for all handlebars with a 1 1/4" clamping area. CNC-milled from billet aluminum - heavy duty



# Barnett Extra-Plate Clutch Kits

Now added to the Barnett line-up of Indian clutch kits is this extra-plate kit for 2014-23 Indian Motorcycle models (except Scout/FTR).

These kits include Kevlar or carbon friction plates, tempered steel plates and a set of heavy-duty springs - providing increased clutch capacity and performance. The segmented friction plates are designed for more oil flow, resulting in cooler operating temps, smoother

clutch engagement and longer life. All kits are measured for proper stack to ensure accurate fit and performance right out of the box.

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handlebar bushings are recommended. Available in black. Designed and made in Germany by Fred Kodlin Motorcycles. Also available for Road Glide and Road Glide Specials.



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# Vee Rubber Makes It Big

It is already some 18 years since South Gate, California based Metalsport introduced Vee Rubber motorcycle tires in 2005. "Vee Rubber helped us introduce the first 26" tire for our prototype motorcycle wheel," says Metalsport's Lizette Hotinger.

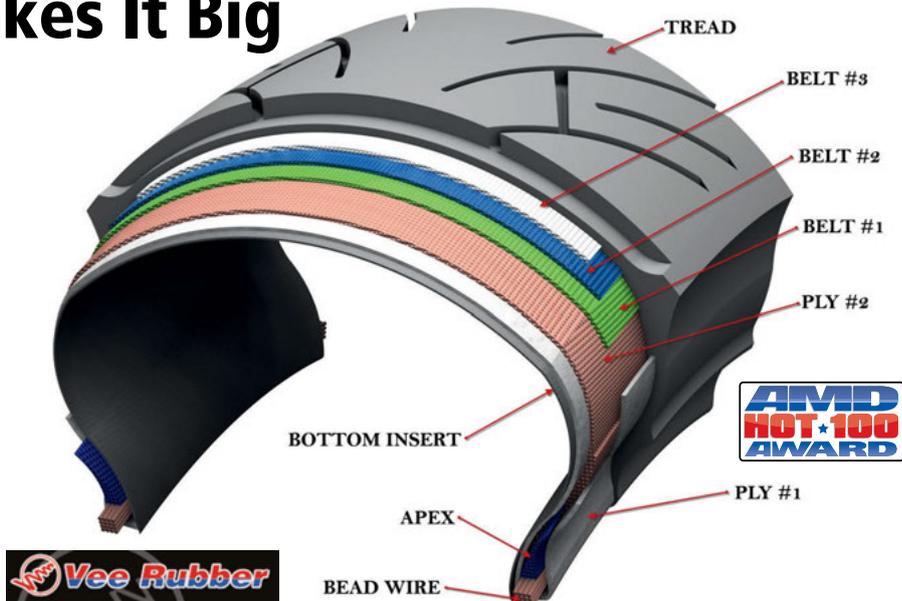
"That was the one that first appeared on Matt Hotch's bike, 'The Vincent'. The big 26" tire created a learning curve for the industry. For a start, how do you mount a big wheel, low profile tire properly? Vee Rubber wanted to eliminate future mounting problems, so it re-engineered the bead seat to make it much more user-friendly, and as time went on, everyone got used to mounting big tires without damage and it's fair to say that their availability utterly changed the custom market.

"In 2007, with the popularity of the 26" big wheel and tire combo continuing to grow, Metalsport decided to carry the full line of the 302 tires from Vee Rubber. In the next few years, with the collaboration of Vee Rubber and Metalsport, the partnership led to more sizes becoming available."

In 2010, Vee Rubber approached Metalsport about expanding the 302 tire line to include a whitewall option. Metalsport suggested sizes for both front and rear applications and Vee Rubber decided to manufacture all the sizes that Metalsport had recommended. Vee Rubber invested **more than a million dollars** in tooling and now offers the largest selection of tire sizes for the whitewall aficionados.

That was followed by Metalsport working with Vee Rubber again to create **new fat front tire sizes**. These new high-speed V-rated tires sizes are 180/50/21, 180/50/23, and 180/50/26.

In the past few years, Metalsport and Vee Rubber have reviewed and improved the 302 tire line by **upgrading load ratings** and their commitment to quality has also resulted in updated specifications



The **road hazard warranty** is a one-year full replacement warranty from date of purchase regardless of tread wear. For more detailed information on this warranty, visit the Metalsport website.

"Additionally, all our tires are covered by a **five-year manufacturing or material defects warranty** based on the DOT serial date stamped on the tire sidewall. All we ask is that customers go to the same store where they bought the tire for the tech

**The 302 tire line offers twin and monster sizes. Specifications include:**

- High-mileage compound
- All-weather construction
- Tubeless construction
- DOT H-rated or V-rated approved
- E-mark approved



standards are second to none and that its facilities are state-of-the-art. Its processes and procedures have earned it coveted **ISO 9000 certification**, and part of that is a tire design and engineering team that constantly supervises tread performance and quality assurance." Thanks to its consistent growth throughout the last few decades, the Vee Rubber Group has established itself as one of the most successful vehicle tire manufacturers and exporters, supplying both to OEM and replacement markets.

Formed in 1977 as a manufacturer of bicycle and motorcycle tires and tubes by CEO Vitorn Sukanjanapong, its sales quickly spread throughout Asia, Western Europe, USA, Canada, Latin America and all corners of the world. It has more than ten branches situated all over the world, now employing more than 4,000 people.

Vee Rubber has invested more than 100 million US dollars in its domestic market, and recognition of Vee Rubber's outstanding performance was evidenced by the 1995 and 1998 Prime Minister's Export Awards. The Vee Rubber Group is now known worldwide in the market segments in which it competes and many of the private label customer brands that it manufactures also achieve recognition, although indirectly - the Group supplies OEM and replacement tires to several of the Japanese motorcycle manufacturers.



during the manufacturing process. "With the success of the 302 tire line, Vee Rubber approached us again," says Lizette. "This was in late 2019, and this time it was to take on the **exclusive distribution** of the 302 tire line. In January 2020, Metalsport officially became the exclusive distributor of the 302 tire line in the USA.

"Per the agreement between Vee Rubber and Metalsport, Vee Rubber agreed to upgrade manufacturing of the 302s again - to the same quality standards that it uses in its production of tires for two of the largest OEM automotive companies in the world. Additionally, the 302s would carry a newly established **lifetime warranty** - along with a one-year road hazard warranty. We believe this is one of the strongest warranties in the industry."

inspection and claim if there is to be one. Again, we simply need riders to have the original tire purchase receipt.

"Vee Rubber is a company that can create big tire sizes and was willing to collaborate with us. It produces its tires in Thailand - one of the largest natural rubber-producing countries in the world - enabling it to offer tires for more types of vehicles than most other manufacturers.

"Since 1977, Vee Rubber has grown into three large facilities that produce more than **25 million tires**. Just hold that thought for a moment and try to imagine just what 25 million tires can even look like! Its 25 years of experience in research and design and developing manufacturing processes and technology means Vee Rubber can ensure that its manufacturing

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# Custom Dynamics Additions

Custom Dynamics' new Double-X complete LED headlight assembly for Road Glides is a direct plug and play replacement for the OEM headlight on 2015-current models.

Double lamps within a completely sealed IP67 waterproof housing provide projection-style low beam. Eight more LEDs utilize a reflective technology to produce a brilliant 1645 lumen high beam pattern. The Double-X pattern is in solid white or ProGLOW color changing lights.

Custom Dynamics' ProBEAM Dynamic Ringz front turn signals offer white halo running light and amber turn signal behind a smoked lens. Also from the ProBEAM range, these taillights and Fillerz "instantly give the bike a modern look with running light pipes and full contrast brake light." Additionally, its new Genesis 4 halo-free front turn signals "offer a solid



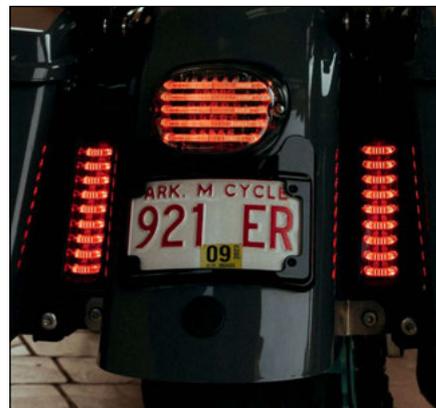
Lights and lenses for 1989-2013 Harley-Davidson OEM Tour Paks



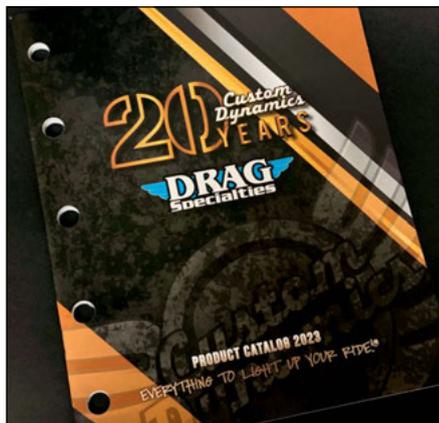
Double-X complete LED headlight assembly for Road Glides



ProBEAM Dynamic Ringz front turn signals



ProBEAM range Taillights Fillerz



bright white running light and full contrast amber turn signal."

These new lights and lenses for 1989-2013 Harley-Davidson OEM Tour Paks are a direct replacement for OEM Tour Pak rear taillight bulbs (PN 68168-89A) on 2013-earlier Harley-Davidson motorcycles - available with red or smoked lens. Durable LED boards designed to fit inside the Tour Pak bulb cavity

plug in with a 1157 connector with six super-bright red LEDs per unit. Dual intensity red LEDs produce a DOT compliant red running light with full brightness brake light. Offered with durable polycarbonate red or smoked lenses. Gasket material is included for a watertight installation.

These Fog Fighter yellow and amber lights are an improved solution for illuminating the road ahead when conditions mean that the usual bright white running lights don't cut it and, finally, this LED fairing vent insert for batwing fairings is back in stock with gloss black finish and blacked-out decorative mesh. Custom Dynamics details these and all its product options in new 2023 Harley-Davidson and Indian Motorcycle catalogs and on its website. All Custom Dynamics products are distributed exclusively by Drag Specialties.



Fog Fighter yellow and amber lights  
Catalogue cover uncaptioned

**CUSTOM DYNAMICS LLC**  
Youngsville, North Carolina, USA  
Tel: 919 554 0949  
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[www.customdynamics.com](http://www.customdynamics.com)

## Beat the Heat

Avon Lake, Ohio based sound and heat management specialist Design Engineering (DEI) has new Harley-Davidson Nightster heat shield liners to reduce the heat radiating from the motorcycle's exhaust system, making rides cooler and more comfortable for drivers and passengers.

This DEI heat shield liner kit is designed to insulate the outer heat shield. The shield liners are precision CNC-cut for a perfect fit between the exhaust pipe and the heat shield and remain completely hidden once installed. The result is a cooler ride, without any disruption to the look or lines of the bike.

Installation is simple and no permanent modifications are needed. These heat shield liners are dual layers constructed of aluminum and DEI's Dura 2000 insulating material to offer a 60% reduction in heat.

The aluminum layer reflects heat from the exhaust while the insulating material keeps heat away. They are available now for stock and popular aftermarket head pipes.



**DESIGN ENGINEERING INC**  
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[johng@designengineering.com](mailto:johng@designengineering.com)  
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British parts manufacturer R&G (who recently renewed its Road America race sponsorship in the USA for another year) is best known for its precision-made, advanced motorcycle protection designs.

In fact, though, the range of components and accessories it makes for almost all makes and models of motorcycle is huge - many of them model-specific, and all of them made using quality materials and robust, well thought-out, ergonomic designs. Most of R&G's parts designs are modification-free, fully reversible bolt-ons.

Represented in the United States by 'Brands That Shine' ([www.brandsthatshine.com](http://www.brandsthatshine.com)) and distributed by Twisted Throttle of Rhode Island ([www.twistedthrottle.com](http://www.twistedthrottle.com)), R&G recently unveiled one of the largest selections of accessory designs we have yet seen for the H-D Pan America ADV models:

## Tail Tidy Kit

A radical tidy-up for the Pan America, tail tidy kits originate from the sports bike world. In the case of the Pan America, most of Harley's attention appears to have gone into the engine and chassis - there's nothing wrong with that in principle, of course, but



it does mean that some areas of the bike, such as the rear end, are "the land that design forgot." This kit has everything needed to replace the obtrusive plastic OEM license plate holder with a sleek, strong, modern unit that stands a much better chance of surviving first contact with the rigors of adventure riding. The license plate holder comes with all necessary holes drilled and all the fixtures and fittings needed. Where necessary, the tail tidy comes with a neat little built-in license plate light.

## Radiator Guards

R&G is a global leading supplier of aluminum radiator guards, and they are a hugely important protection asset when off-roading. This design for the Pan America is available in black (aluminum) or titanium finish to fit the Harley-Davidson Pan



America 1250 (Special) '21 and up model. They are made from pressed aluminum and feature a neat, seamless frame (where applicable). They improve the look of the bike and help to protect the expensive and vulnerable radiators from flying debris.

## Adventure Bars

Another impact protection essential, R&G adventure bars are made from thick steel tubing, powder-coated for a strong and superbly finished product.



This kit is designed specifically for the Harley-Davidson Pan America 1250 (Special) '21 and up. These bars are not only for 'adventure bikes', but also for bikes where normal crash protectors are unsuitable or impossible to mount - or for people who simply prefer the reassurance and rugged statement of bars. Adventure bars offer substantial protection to the fairing and engine cases. Cleverly designed bars will allow you to still ride home after a minor spill.

## Lever Guards

The injection-molded design of these guards combines super strength and lightweight properties, allowing race-derived and race-approved protection on or off-road for your road or track bikes. Like so many race-oriented ideas, these once quirky bespoke race products have now worked their way from the

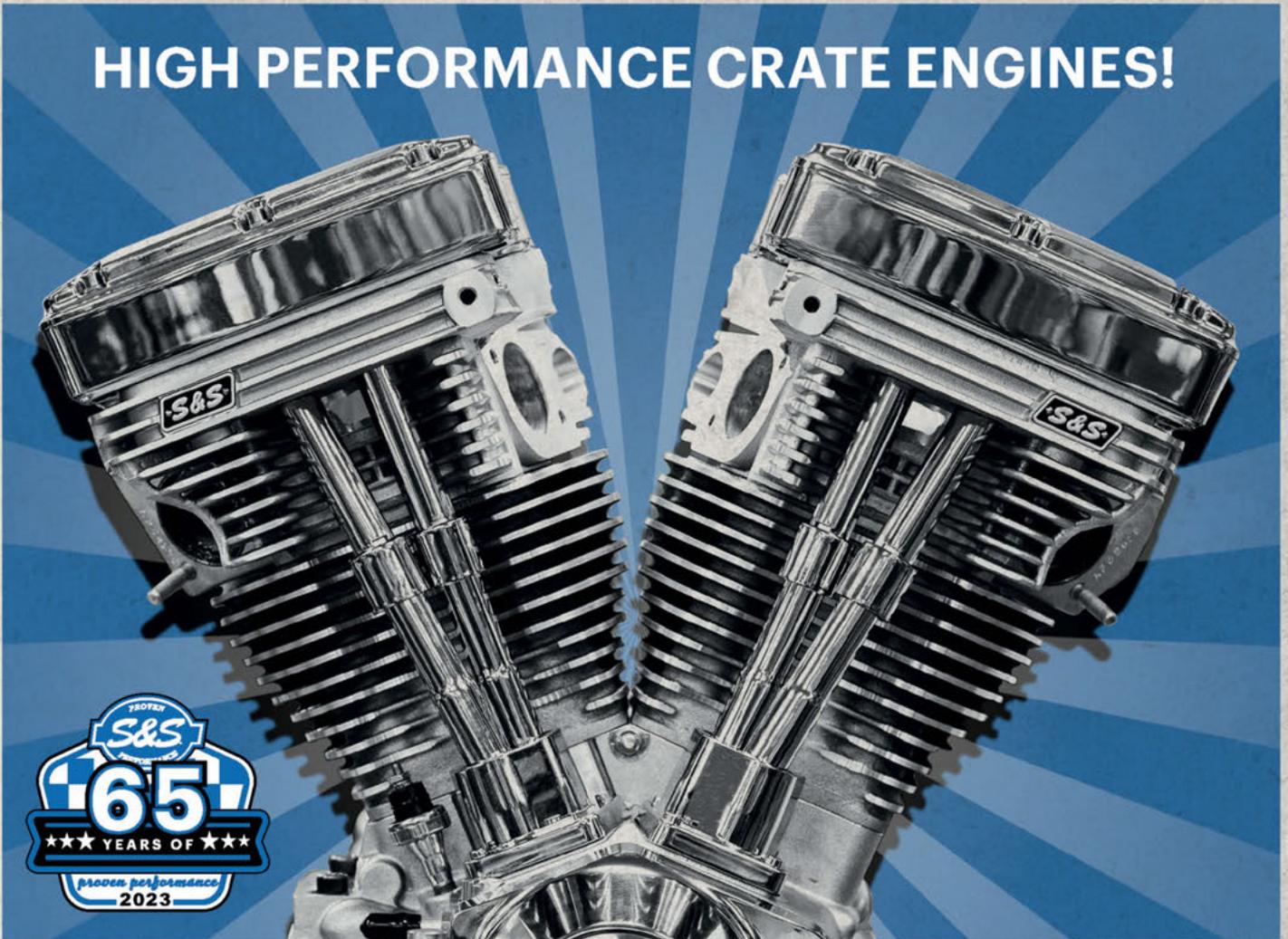


track to the road, and now from on-highway to off-highway riding. A model-specific design, they are BSB (British Superbike) and MCRCB approved in the UK, and MotoAmerica approved in the United States, made from DuPont Zytel 70G33L, fitted to the brake lever side and supplied with all required hardware.

**R&G**  
**Alton, Hants, UK**  
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# FirstGear - New 'Palisade' and 'Reflex' Jackets

Described as sporting features for 'Die Hard Riders', Tucker's 'Palisade' and 'Reflex' FirstGear additions "get the job done, whether the destination is work, play or the other side of the country, they have features designed specifically for riders with a destination in mind." The new 'Palisade' and 'Reflex' jackets, along with their matching



'Palisade'



pants, "deliver comfort, safety and style with a price tag that makes them attainable." The FirstGear 'Palisade' jacket is designed to be a rider's daily "go-to" gear. It's a three-season, waist-length jacket that is comfortable and durable with no excess bulk. Constructed with waterproof and windproof polyester, abrasion-resistant nylon ripstop

'Reflex'



and SuperFabric reinforced elbows, this jacket uses modern fabric technology to deliver a dry, comfortable ride.

"The features don't stop there, with reflective piping and panels, removable liner, adjustable armor pockets, vents, waterproof pockets, neoprene cuffs and seamless integration with FirstGear heated gear, this jacket goes to the top of the list when riders are shopping for new gear."

Designed to pair with the jacket, the 'Palisade' pant uses the same mix of materials and technology, with added stretch knee panels, "no-snap" cuffs, adjustable waist and "slide-free" seat grip panels. The FirstGear 'Reflex' jacket is perfect for summer riding - the fully vented, abrasion-resistant nylon mesh construction is designed to keep a rider cool and safe. Features include elbow, shoulder and back protection, reflective piping and panels, SuperFabric elbow panels, adjustable neoprene cuffs and a removable waterproof and windproof liner. The matching 'Reflex' pant features the same fully vented, abrasion-resistant nylon mesh construction, knee and hip protection, stretch knee panels and slide-free seat grip panels.

Add 'Reflex' gloves to complete the look, they are a critical piece of riding gear providing solid function and protection with the comfort of ventilated fabric, stretch wrist area and a hook and loop closure.

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# Variable Pressure Three-Stud Style A&S Clutch



Huntington Beach, California based Harley performance clutch specialist AIM Corp.'s Variable Pressure (VP) three-stud style Assist and Slipper (A&S) clutch with its slide weights will create a claimed 40% more clamping force over stock at 4,000 rpm, raising the overall torque capacity to 120+ ft-lbs.

The easier pull is 20% lighter than the stock Harley Big Twin clutch during low rpm on 2018+ M-8 Softails. The kit handles up to 105 ft-lbs of torque with the optional soft coil spring kit. With the OEM 2018 clutch spring it can handle up to 120 ft-lbs torque.

The VP-SDR ST will fit behind the stock primary cover with no modifications. It will be additionally available soon with larger weight design to provide increased clamping force overall (when used with 1/4" primary cover spacer).

It is available in two versions - the VP-SDR ST and VP-SDR ST high performance kit. The kit ships with a VP wear shim and mounting hardware. It requires the removal of the primary cover for installation. Options include AIM Corp.'s high performance spring setup for a torque capacity of around 150+ ft-lbs of torque.

**AIM CORP.**  
 Huntington Beach, California, USA  
 Tel: 714 848 3030  
[info@aim-tamachi.com](mailto:info@aim-tamachi.com)  
[www.aim-tamachi.com](http://www.aim-tamachi.com)

# Adjustable Competitor Clutch

BDL's CC-100-S Competitor clutch "is a perfect upgrade for your early Harley. Designed specifically for 1936-1984 Big Twins, it allows for quick spring tension adjustment to accommodate big horsepower engines or reducing lever pull."

The advice is that for big horsepower, you should run all nine springs - if you're looking for a lighter lever pull, go with six.

Ensuring a precision yet no hassle fit, the billet hub is a soft press fit into the early basket. 100% manufactured by BDL in the USA, the updated Competitor clutch is a welcome addition to the company's extensive line of award-winning Harley-Davidson compatible clutch and drive components.

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# The Rick's Softail 'Cover-Up' Job



If you search for 'covers' on the Rick's Motorcycles website, you will already get anywhere between 60 and 80 hits. So why, might you think, do they need to add more? You would already see best-selling options such as its 'Porthole' primary drive covers and a sophisticated Sportster and Sportster S open rotating belt pulley.

Well, Rick's has continued to add new cover options not only because its advanced, precision-manufacturing capabilities allow it to do so, but, quite simply, because its dealers asked them to - "more designs and more applications please."

Continuing the success of its state-of-the-art cover lines for the Sportster S and Nightster, Rick's covers are now available for 2018-up Milwaukee-Eight powered Softail models.

Seen here are the first new Fat Bob applications - and a new Rick's Fat Bob custom to showcase them, sporting its new 'Smooth' and 'Premium' design covers, with more covers for other M-8 Softails also already available.

The fact that they appear to almost disappear in the

'Smooth'



'Premium'

black-on-black look of this Rick's special is testament to how well these new Softail covers complement the bike's design, adding significantly to the "clean-up cool" that is Rick's customs' hallmark.

Featuring its custom rear wheel axle, swingarm axle, shock absorber bolt on the right side and front wheel axle - for this product photo shoot, both of the new cover variants, the 'Smooth' and the 'Premium', have been mounted to give a compare and contrast presentation for those who want to upgrade their M-8 Softails. They are available as model-specific full kits or as singles/pairs for select positions.

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[info@hd-badenbaden.de](mailto:info@hd-badenbaden.de)  
[www.ricks-motorcycles.com](http://www.ricks-motorcycles.com)

# Windscreens for Nightsters



Maywood, Illinois based National Cycle has added new windshield options for the 2022-2023 Harley-Davidson Revolution Max 975-engined Nightster and Nightster Special muscle bikes.

"Right off the drag strip starting line is our legendary Flyscreen, available in light tint or dark tint with chrome or black hardware. Its linking arm fork mount system allows the exact rake angle and headlight clearance you want.

"The same linking arm fork mount system is also used by our Mohawk windscreens, a larger alternative to our Flyscreen. It comes in dark tint with a choice of chrome or black hardware. It's made from sturdy polycarbonate with our exclusive Quantum hardcoating. Like all our polycarbonate windshields, it's covered by a three-year warranty against breakage.



**NATIONAL CYCLE INC.**  
 Maywood, Illinois, USA  
 Tel: +1 708 343 0400  
[sales@nationalcycle.com](mailto:sales@nationalcycle.com)  
[www.nationalcycle.com](http://www.nationalcycle.com)



# Factory 6-Speed Tapered Roller Bearing Kit

High-performance engine builders and Baker Drivetrain engineers "have known for years that the tapered roller 'Timkens' on the left side of the engine are indestructible. This fact inspired us to develop the double-tapered roller bearing system for stock cruise drive 6-speeds.

"This kit fits 2006-later stock Dyna transmissions and 2007-later stock Softail/Touring transmissions. The kit includes a Baker double-tapered roller bearing assembly, replacement H-D main drive gear



and replacement countershaft bearing - everything needed to eliminate the all-too-common stock main drive gear bearing failures. We include our exclusive Baker double-tapered roller bearing assembly and a replacement cruise drive main drive gear." There is also a transmission rebuild kit available to go along with this double-tapered roller bearing kit.

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# Mid-USA Motorcycle Parts Additions

## Le Pera 'Maverick' Daddy Long Legs for Touring Models

North Hollywood, California based Le Pera recently celebrated 50 years as the internationally recognized boutique custom seats design leader. Now available at Mid-USA, the Le Pera 'Maverick' Daddy Longlegs seat for 2008 and up Touring models gives taller riders the extra increased legroom they need by moving the rider's seating area back by two inches compared to its stock 'Maverick' design. A little change that makes a big difference.

The deep sculpted bucket creates a huge amount of back support for the driver. The tapered thigh area is great for stop and go riding. The driver seating area



is a generous 14.5" wide with a 13" wide passenger area. Le Pera still handcrafts all its seats with an optimized rider seating area, a highly detailed powder-coated steel, carpeted base plate, specially poured high density 'Marathon' molded foam foundation and double-stitched, handcrafted 'BikerTec' custom cover with bonded polyester thread for durability.

## Dynojet PV4 Performance Tuner



New to Mid-USA this year, Dynojet's Power Vision 4 allows riders to flash-tune their ECU from their phone while 'on the go' and use the screen as a real-time EFI 'dashboard'. No set-up is required - they just need to create an account, select their tune of choice from the vast database of pre-loaded tunes for different configurations and they are 'good to go'. The pre-loaded and custom tunes are easily downloaded and managed, and riders can record real time engine data for display in the WinPEP 8 Data Center.

Downloadable for iOS and Android and optimized for remote-tuning, the PV4 allows riders to easily ride, record and share data logs and tunes, read review, clear and share diagnostic trouble codes (DTC - with built-in descriptions). PV4 is available for M-8 Big Twin models 2021 and later; Softails 2011-2020; Touring models 2014-2020; Dyna 2012-2017 and Sportsters from 2014 and up. Phone not included.

## S&S Head Pipes for Touring Models



Also new at Mid-USA this year, these S&S Touring head pipes are compatible with Mid-USA's popular 'Power House' brand mufflers. Available sizes include 3.5", 4.0" and 4.5" O.D. with over 35 different styles to choose from. Said to add up to 8 hp over stock headers, the hidden crossover gives them an independent dual look. The exclusive design moves the rear cylinder header away from the passenger to reduce radiated heat.

Features include full show chrome heat shielding with 220-degree coverage, oxygen sensor bungs, spherical inlet design for improved sealing and durability of the included exhaust gaskets. Fuel injection tuning is not essential but is highly recommended - it may be necessary to rejet the carburetor or recalibrate the fuel injection system for the best results. Some Touring models (those with non-catalyst mufflers) will require H-D mounting brackets when using the OEM 2:2 header. They fit 1995-2008 and 2009-2016 Touring models.

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# REV'IT! Dual-Layer, Multi-Season Stratum GTX

Dutch apparel specialist REV'IT! describes its new two-layer Stratum GTX as "the best performing, most protective, all-conditions adventure travel suit that REV'IT! has designed in 25-plus years of manufacturing motorcycle apparel.

"When we began developing an all-new, from-scratch pinnacle product for our Spring/Summer 2023 Adventure Travel collection, the goal was to create a

motorcycle riding suit that would offer the highest levels of comfort and protection in all conditions, on all surfaces, anywhere in the world.

"With its unique, no-compromises layering system, this two-piece design is purpose-built to outperform every other adventure outfit available today.

"Using a modular layering system means that when worn together, the Stratum GTX's Class AA CE-certified Air Layer and the Class B CE-certified Shell Layer offer the highest



level of protection available in any REV'IT! Adventure Travel outfit."

The first of these two layers is the body-hugging AA CE-certified Air Layer jacket and the in-the-boots Air Layer pants. They zip together "for ultimate ventilation and protection in higher temperatures and dry weather conditions. Rugged PWR|Mesh panels on the front and the back flow air to the torso and the thighs."

For colder rides, insulation can be added in the form of REV'IT!'s separately available jackets. A hydration bag slips into a dedicated pocket on the back of the jacket.

The second layer is the Class B CE-certified GORE-TEX 3L Pro breathable, waterproof and windproof Shell Layer. In warmer weather, the forward-facing, zippered VCS|Ventilation System on the jacket and on the over-the-boots pants opens to channel air to the body. The lightweight, abrasion-resistant Shell Layers are easily removed, leaving the Air Layers in place, and can double as rain gear for camping or hiking -

an effective use of the jacket's removable hood and storm collar.

In addition to providing abrasion resistance and ventilation, the Air Layer jacket and pants are packed with an array of impact protection that keeps energy-absorbing materials close to the body for the greatest benefit.

SEEFLEX CE-level 2 protectors are fitted at the shoulders, elbows and knees, with SEESMART CE-level 2 protectors at the hips and a ventilated SEESOFT Air back protector mated to a detachable kidney belt covering the spine. The jacket is prepared with tailored pockets for an optional SEESOFT divided chest protector.

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# Monarch 2-1 Exhaust System for H-D Touring Models

Firebrand is upping its game with the Monarch two-into-one system for M-8 Touring machines. This long pipe exhaust features a full flow header merged into a tuned collector that pumps exhaust gases into a 4.5" muffler, all of which is designed to make real world power in your late model touring bike.

"The M-8 is really unique in that it wants a longer exhaust to prevent reversion and keep exhaust gases flowing at a high velocity, and the Monarch does just that," states Grant Hillegass, Product Line Manager at Firebrand.

The Firebrand Monarch two-into-one also includes a removable sound insert to help tune sound and performance of the pipe. This is a first for Firebrand



and definitely ups its game in the high-performance exhaust market. Available in black or chrome, the Monarch fits 2017-2023 H-D Touring machines and is available in 49 state legal or race-only versions. Firebrand is distributed exclusively through WPS/HardDrive.

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# Burly Brand "Slammers" for M-8 Softail

"Lower your ride and raise your game," says Burly Brand's Brand Specialist Josh Rowlands of the iconic slammed look that its "Slammers" have been known for ever since they were introduced to the market a decade ago.

However, Burly Brand is now expanding the product to the M-8 Softail segment. "The all-new M-8 Softail Slammer shock and Slammer fork kit is designed to give Harley-Davidson Milwaukee-Eight (M-8) Softail riders the ultimate 'slammed' look - one that is sure to turn heads on the road," says Josh.

"The right shocks can make all the difference to the riding experience. Designed with riders in mind, the engineers here at Burly Brand designed the M-8 Softail Slammer shock to provide an unbeatable combination of style, performance and comfort. The lowered stance instills confidence in shorter riders, enabling them to conquer any terrain."

Crafted with a 12.2" high-pressure nitrogen charged damper and featuring a steel monotube construction, with an Internal Floating Piston (IFP) and deflective disc valving, "this shock is engineered to deliver an incredible feeling of stability and control. Plus, with its threaded preload adjuster and included preload spanner wrench, it's easy to adjust the preload to achieve that perfect custom ride."

"Installation is a breeze. The Slammer shock is



designed to fit seamlessly into the Harley-Davidson M-8 Softail, ensuring a hassle-free installation process to quickly hit the road with confidence."

To complete the look, the all-new M-8 Softail Slammer fork kit allows riders to lower the front end - "our springs are crafted from high-tensile SiCr wire, progressively wound and precision-ground. All springs are also shot-peened and pre-set for exceptional durability and performance."

Available for conventional and inverted forks, riders can choose to lower the front end by either 1" or 2" and experience less front end dive during braking for greater control and confidence while in the saddle.

**BURLY BRAND**  
**Cerritos, California, USA**  
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[info@burlybrand.com](mailto:info@burlybrand.com)  
[www.burlybrand.com](http://www.burlybrand.com)

# Touratech Comfort Seat for Pan America



Promising "maximum comfort on long rides and optimum ergonomics in all riding situations," this two-piece "comfort seat" from German ADV parts and accessory specialist Touratech is said to "noticeably enhance the touring capability of the Harley-Davidson Pan America."

"There is much to admire about Harley's Pan America, especially as a first time design for a new sector such as the ADV market. But the seat? The different statures of riders make a compromise in the design of standard equipment unavoidable. Not so with the Touratech comfort seat though. This two-part design offers riders a choice of three different heights.



"The seat core is made of high-grade ergonomically shaped special purpose-tested foam, which is specific to the model and does not lose its shape even on the longest stages. The shape of the core is anatomically optimized. This means that not only is the contour completely free of disrupting edges, but the special shaping also provides efficient relief for the coccyx and supports an upright sitting position."

"Thanks to the ingenious shaping of the contour, it has a reduced inner leg curve length so that the rider's feet reach the ground more easily even though the seat height remains the same. The foam core is bonded to the seat cover over the entire surface, preventing them from shifting independently. The result is firm seating and optimum power transmission for precise handling." "Fresh Touch" technology reflects the infrared in sunlight - resulting in up to 10 degrees less heat being stored in the seat. Waterproof taped seams prevent the penetration of water into the foam core. Riders retain full use of the standard height adjustment.

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# Mid-Control Motor Mount Bracket

This new Hawg Halters (HHI) custom motor mount bracket replaces the front right-side factory mount and brake control bracket when installing HHI's new mid-controls.

"Simply remove the factory cast iron mount and replace it with our super clean and stylish, strong, CNC-machined 6061 billet aluminum design. This stunning, innovative design not only saves weight, but delivers a much sleeker custom look and streamlines the mount."



Available in black anodized, chrome, Aztec Gold and machine finishes, it fits 2009-16 FL Touring Twin Cam or 2017-newer FL Touring M-8 models.

**HAWG HALTERS INC.**  
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# APM - Complete SU Kits

"It took a while," says American Prime Manufacturing's Ben Kudon, "but we are finally shipping complete SU kits with our proprietary manifolds for Shovel, EVO and TC and XL models."



"The manifolds come in black or polished finish, and the SU Eliminator II carbs come with polished domes - we will be offering black powder-coated SU carbs in the future."

The air cleaners are available with the SU logo embossed on the front cover in either 30 mm wide or 45 mm wide versions. They are available in show chrome or black powder-coat. All bracketry, fasteners, gaskets and seals are included in the kit, as well as the breather

components. The selection of provided components may differ, depending on the application - the EVO/TC kit is shown here.

Also seen here, this high-quality, black reproduction springer front end with chrome springs fits OE 1936 - early 1946 EL and FL Harley-Davidsons and custom applications. They do not include top tree, bearing cups or bearings. "They are exact reproductions of the original," says Ben.



# 'Mahala Pro' 3-in-1 Jacket

Described as "providing ultimate levels of versatility, the 'Mahala Pro' offers a 3-in-1 layering system to cope with all weather conditions. The multi-layer system can be removed or re-attached as needed, and for a true summer jacket, all liners can be stripped out and the large chest vents pinned back for cool airflow when it's needed most."

Constructed from a Merlin-exclusive Cordura cotton with a 12 oz water-repellent finish, the 'Mahala Pro' is pre-fitted with D30 shoulder, elbow, back and chest protectors and the overall jacket is CE-certified to EN17092, Level 'AA'. Additional features include biceps, forearm,

cuff, waist and hem adjustment points and large mesh panels for breathability.

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# M-8 Three-Step 'Outlaw' 2-into-1



Finished in its award-winning Eclipse "true black chrome" finish, they have a 2.5" collector mated to a 4.5" Khrome Werks HP-Plus muffler. A choice of tips are sold separately and a ghost pipe is additionally available.

Also seen here, Khrome Werks says that it has responded to requests and added a blunt-cut chrome tip for M-8 or Twin Cam mufflers. Features include a laser-etched logo and accents.

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Lincoln, Nebraska headquartered Khrome Werks has added a 2-into-1 'Outlaw' three-step design (1-3/4" to 1-7/8" to 2" primaries) exhaust for 2017 and up M-8 models.

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# NAMZ - Mating Pigtails

Jeff Zielinski's NAMZ Custom Cycle Products (Oreland, Pennsylvania) has introduced some new pigtails for late model Harleys "to help shops and dealerships keep their customers' bikes on the road," says Jeff.

"The mating pigtails concept was born when a customer emailed us and said that having EFI and component connectors pre-wired as pigtails, with OEM color-matching wire, would be awesome. Why not - a MIL SPEC machine-crimp, matching wire colors and ready to install, it doesn't get any easier. The end of the wire is stripped, but the jacket is left to prevent wire fraying."

All the options come with a 3/16" heat shrink and include a replacement OEM fuel induction module/throttle body for 2008 through 2016 Dresser models and a four-position single row OEM replacement OEM TMAP sensor connector kit that



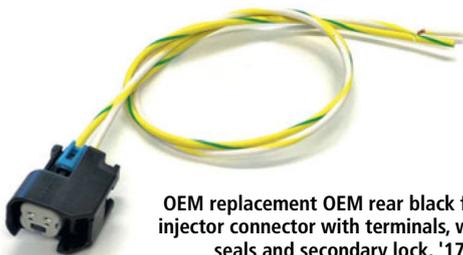
**Replacement OEM fuel induction module/throttle body, 2008 through 2016 Dresser models. (Connector HD# 72483-08BK, Terminal HD# 72168-07). Includes 3/16" heat shrink.**



**OEM replacement OEM TMAP sensor connector kit, includes wire seals and terminals. Fits 2007-2017, four-position single row. (HD# 72406-07A, 72407-07 & 72408-07). Includes 3/16" heat shrink.**



**OEM replacement 2017-up TMAP sensor female connector kit. Kit includes wire seals and terminals. (OEM # 69201441). Includes 3/16" heat shrink.**



**OEM replacement OEM rear black fuel injector connector with terminals, wire seals and secondary lock, '17-up models. (HD# 69201393). Includes 3/16" heat shrink.**

includes wire seals and terminals for 2007-2017. An OEM replacement 2017-up TMAP sensor female connector kit with wire seals and terminals and an OEM replacement rear black fuel injector connector with terminals, wire seals and secondary lock for '17-up models.

Celebrating 21 years in business, NAMZ and Badlands products are available through Drag Specialties, Parts Unlimited, Tucker, Mid-USA, J&P Cycles, V-Twin, Parts Canada, Parts Europe, Custom Chrome Europe, Motorcycle Storehouse, W&W, Zodiac, Rolli's Speed Shop in Australia and Performance Cycle Wholesale Limited in New Zealand.

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# Ultima 124 ci Competition Series Twin Cam Replacement Engines

Just like Ultima's EVO style engines, this 124 ci Twin Cam style replacement engine "features high quality components at an affordable price. The cases utilize Timken sprocket shaft bearings. The crankshaft assembly is the same Ultima has been building for years, dynamically balanced and featuring forged H-beam rods and forged aluminum pistons from Mahle. "The heads feature conical valve springs,

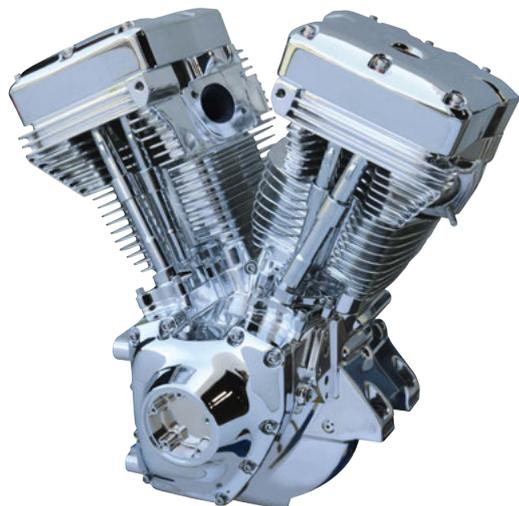
chromoly retainers, manganese bronze guides, compression releases and stainless steel valves. Valvetrain components include an Andrews 67H set of cams, and Ultima's 4140 steel adjustable pushrods topped off with 4140 forged steel roller rockers. "The cam chest components include a billet oil pump and billet cam support plate with late model hydraulic chain tensioners. Choices of finish include black, polished or silver. With plenty of power, these engines make a great replacement for a tired stock motor or a custom build."

The 2032 cc/124" displacement is achieved with a 4.125" bore and 4.625" stroke. The compression ratio is 10.0:1. Features include a compression release valve, 2.10" intake and 1.70" exhaust valves, 252/260 duration, 0.570 lift camshafts, AISI 4140 adjustable pushrods, forged dome piston, forged 3-piece flywheel, rocker boxes with a '93 and later EVO style breather, a billet oil pump and cam support plate and late model hydraulic chain tensioners.

Ultima also offers Shovelhead style 96 ci engines with 3-piece crank and pavement-eating 140 ci 'El Bruto' Competition Series Evolution style engines.



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# Kodlin Additions for M-8 Softail Models



Kodlin USA (Morgan Hill, California) has added two more items to the domestic U.S. Kodlin parts and accessory inventory.

Kodlin solid riser bushings for all M-8 Softail models (K55125) are CNC-machined from aluminum and black anodized. Designed to rigid-mount the handlebars on a M-8 Softail, they are recommended when installing Kodlin Fastback risers K55121, K55122 and K55123 on M-8 Softails (all models MY18-23).

Made of steel with black powder-coating finish, this Kodlin belt guard for M-8 Softail models (K47309) is an easy install for all 2018-up M-8 Softails; it ships with new stainless steel hardware included.



**KODLIN MOTORCYCLES & PARTS**

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# VO2 Insight Intake

New from Vance & Hines, the VO2 Insight high flow air intake design features a clear polycarbonate top for a window into the throttle body's movement, encased in a highly detailed CNC-machined billet aluminum bezel.



Available in chrome, wrinkle black and black contrast finishes, the VO2 Insight has fitments for Milwaukee-Eight and Twin Cam engines for Touring, Softail, Dyna models as well as Evolution Sportsters. Features include a one-piece filter design that integrates the polycarbonate window into the filter - greatly simplifying installation and maintenance compared to other windowed intake designs.

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# H-D 300 mm Rotor Application Caliper



Noted French brakes specialist Beringer has this new 4 x 27 mm piston caliper for 300 mm front disc applications on all Harley models from 2000 and up. It mounts directly instead of the OEM caliper (no bracket) and can be used with OEM, Beringer or other aftermarket brand 300 mm rotors without any modification. As with all Beringer products, this caliper is precision CNC-machined from 6082 T6 heat-treated aircraft quality billet aluminum and still uses the Beringer racing technology with rectified stainless steel piston and high-temperature seals. It is available in 12 colors.

Beringer, France, [www.beringer-brakes.com](http://www.beringer-brakes.com)

# Extra Narrow Triple Trees

Archbold, Ohio based TC Bros (Tim and Tyler Cobb) has these "beautifully CNC-machined triple trees, milled from 1-1/4" thick 6061-T6 heat-treated billet aluminum."

"Standard Harley 3.5" handlebar riser spacing is maintained for easy installation, and the 1" steering stem is precision CNC-machined for a perfect fit to the factory H-D neck. Included 3/4" diameter narrow axle and wheel spacer are CNC-machined for a perfect fit to the Moto Iron #115-0028 or #115-0073 spool hub wheels that we also sell. Axle and

spacer are zinc plated for corrosion resistance." Lower tree features an integrated headlight mounting hole that fits most bottom mount style aftermarket headlights. Made in the USA, detailed mounting instructions and high-quality hardware is included.

These extra narrow triple trees are available for 1988-2003 39 mm Narrow Glide, 2004-2007 and 2008-2022 Sportsters.

**TC BROS. CHOPPERS**  
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# Bohemian Custom Motorcycle Show

## Prague, Czechia, March 2-5, 2023

Words and pictures by Onno Wieringa, Madness Photography (www.madnessphotography.nl)



**Best of Show & Radical Winner - Pavel Malanik - J.A.P. V8**



The Bohemian Custom Motorcycle Show in Czechia (Czech Republic) is part of the Prague Motorcycle Exhibition (Motocykl Praha) held in March.

There were two halls hosting the custom market and builders - with some well-known 'AMD stars' of prior AMD World Championships present - including innovators such as Pavel Malanik and Tomas Pitlik, who presented some incredible new builds at the Bohemian.

It came as no surprise that Pavel won 'Best of Show' with his completely self-built J.A.P. V8 motorcycle, a stunning

piece of engineering and craftsmanship. Another mind-blowing bike was Marek Foltis' ten-cylinder Jawa called 'Bistella'. The Czech law states that you are allowed to alter one major part of your motorcycle as long as the rest of the bike still fits to that part, so you can change the engine, which Marek did, but it still had to fit in the original frame.

How young builder Marek did just that is nothing short of a miracle...he built a ten-cylinder, two-stroke engine that fits perfectly in the stock frame. Ten cylinders! And so well designed, such ingenuity and precision craftsmanship.



### RESULTS:

#### Best of Show - Pavel Malanik - J.A.P. V8

##### Radical

1. Pavel Malanik - J.A.P. V8
2. Tommy Kloss - Rockers Meccanica - Moto Guzzi Dragster - Germany
3. Slavo Danko - Free Spirit Motorcycles - Cubus - Slovakia
4. Palo Faragula - XXL Less is more - Panster
5. Arcadiusz Szajba Pawlukowicz - Szajba's Garage - Grunwald - Poland

##### Modified Harley-Davidson

1. Jiri Riha - Hamasakr - H-D Sportster 1200
2. David Peciva - Goart Custom - H-D Road King Temny Rytir
3. Jakub Sluka - Kubajz Garage - MC FLY
4. Jakub Sluka - Kubajz Garage - Experience
5. Roman Kuzel - Laska

##### Iron Redskins

1. Purple Haze - Indian Chief - Bike Farm Melle - Germany
2. The Supreme - Indian Chief - VMP Pisek
3. Manitou - Libor Zach - Zbysek Hazmuka - Bagger Custom Club
4. Betty the Beast - Indian Scout Bobber - Funk Soul Brothers - Brno
5. Twenty-Five - Indian Chief Elite -VMP Pisek

##### Old School

1. Marek Foltis - 'Bistella' 500
2. Karel Ripa - Flat Rocket Speed Division - H-D WL 750 Blue Dream 1943
3. Pavel Vorlicek - Antique Garage - Limey 43
4. Kostis 81 - KK Motorcycles - 58 Pan
5. Karel Ripa - Flat Rocket Speed Division - H-D 750 Flat Rod

##### Café Racer & Brat Style

1. Ales Tomis/Vlado Dinga - Earth Motorcycles - Earth FUJARA - Slovakia
2. Ludvik Klimke - BMW K1100
3. Robert Richter - Roberts Cafe Garage - Kamikaze
4. Slavo Danko - Free Spirit Motorcycles - Primus - Slovakia
5. Milos Prochazka - Honda CB Twin

##### Scrambler & Tracker

1. ROD Custom Motorcycles - ROD #017 Last Bullet
2. Jakub Knebl - Moto Knebl - Honda CM400T Lilien
3. Vintage Mechanics - Scrambler Vilik
4. Josef Gryc - Flat White
5. Ondrej Havel - Suzuki LS 650 The Smuggler SG02

##### Chopper & Cruiser

1. Funk Soul Brothers Motor Works Brno - Majitel BMW Motorroad CR - Henne Tribute BMW Land Speed Record Special
2. Jiri Riha - Hamasakr - Honda VT 600 Shadow
3. David Peciva Goart Custom - Honda Shadow 600 - custom race 82
4. Brothers Custom - Bike in Black
5. Blackout Custom Design - Yamaha XVS 1300 Street Bobber BCD

##### Czech Manufacturers

1. Tomas Pitlik - Ecetric
2. Michal Marek - MM 100V2
3. Tomas Veverka - Squirrel Design - Babetta 225 Racing Sport
4. Max Faragula - Srsen
5. Tomas Veverka - Squirrel Design - Babetta 210 Cafe Racer

##### Best Paint - David Peciva - Goart Custom - H-D Road King Temny Rytir

A huge technical challenge, but he managed to solve all problems and made it into a perfect running, well, 'screaming' engine that does an easy 10,000 rpm!

Both men rolled out their bikes to admiring gasps of astonishment and applause. Marek's 'Bistella' fired up with just one kick. Starting Pavel's V8 is a little more complex, requiring an external starter, but it too runs like a

dream, with all the 'internals' now 'externals', it is a work of engineering art - poetic in its synchronous motion, harmonious in its sound - steam punk meets precision.

Then came Tomas with his crazy 'trike' - very appropriately named 'Ecetric' - as nothing seems to be in the right place, but still it runs, powered by a 1938 CZ 175 cc engine!

Sector 66 decorated the show with



**Modified Harley-Davidson Winner - Jiri Riha - Hamasakr - H-D Sportster 1200**



**Iron Redskins Winner - Purple Haze - Indian Chief - Bike Farm Melle - Germany**

cool sculptures made out of motorcycle and car parts - pieces of art just like many of the other 85 motorcycles in the custom show.

There were seven classes - Café Racer/ Brat, Chopper/Cruiser, Iron Redskins (Indian motorcycles only), Modified H-D, Old School and Radical, with additional awards for Best Paint, Old CZ Motorcycles by origin and Best of Show.

Organizer Martin Rybar explained that the voting was done by the builders themselves, with owners and builders

them short lived and with low production numbers, of course, but with the likes of CZ and Jawa, the market there has produced world leaders in the past.

Throughout the history of the 'AMD' we have seen many outstanding examples of outstanding craftsmanship, innovative, high-quality engineering, creativity and stylish originality.

Over four days, Motocykl Praha attracted nearly 60,000 visitors who came to enjoy what, by any measure, was a great show - even if the Prague



**Old School Winner - Marek Foltis - 'Bistella' 500**

not allowed to vote for their own machines, and additional scrutineering and evaluation conducted by a selected expert jury - who had the same point evaluation options as the competitors themselves.

The Czech/ Czechoslovakian engineering pedigree goes back nearly 150 years, and since the start of the 20th century, there have been over 100 Czech motorcycle brands - many of

traffic and parking issues made getting in more difficult than it needs to be.

But once in, the show itself proved to be a great success - the Czech motorcycle industry seems to be alive and well. Most of the major brands were there, presenting their 2023 line-ups, with Royal Enfield, in particular, continuing to prove its growing popularity.

[www.bcmotorcycles.cz](http://www.bcmotorcycles.cz)



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**May 18-21**

**Biker Fest International (37th) Italy**  
[www.bikerfest.it](http://www.bikerfest.it)



**June 3**

**Custom Bike Show Sweden**  
[www.custombikeshow.se](http://www.custombikeshow.se)



**June 9-11**

**Budweiser Custom Show, Indian Riders Fest**  
Czech Republic  
[www.budweiscustom.show](http://www.budweiscustom.show)



**June 10**

**Rising Thunder Custom Show Lithuania**  
[www.custombikeshow.lt](http://www.custombikeshow.lt)

## THIS MONTH'S ADVERTISERS

AIM Corp (US) SDR V2 Max variable pressure clutch .....	28
AIMExpo/MIC Events (US) AIMExpo 2024 .....	64
Arlen Ness Enterprises (US) Rough Crafts, 'Speedliner' & 'Method' parts .....	13,37
Arnott Air Suspension (US) Ultimate Ride Series .....	41
Badlands Motorcycle Products (US) Illuminator modules .....	6
Bagger Nation (US) 'Diablo' Softail ST accessories .....	22-23
Barnett Clutches & Cables (US) Scorpion clutch .....	7
Biltwell (US) EXFIL-0 Tool Roll .....	31
Bitubo (IT) WME black shocks .....	42
Blow Performance Exhausts (AU) High performance exhaust systems .....	47
BS Battery (FR) Plug and play battery solutions .....	4
Burly Brand (US) 'Slammers' for M-8 Softail .....	59
Corbin Saddles (US) Seat options for Harley Road King '09-'23 .....	57
Custom Chrome Europe (DE) RevTech oils .....	9
Dealer World (GB) AMD Approved custom events .....	61
Design Engineering Inc (DEI) (US) Undertank heat reflective kits .....	6
DP Brakes and Clutches North America (US) Brakes & clutches .....	58
Drag Specialties (US) Custom parts for 2009 Dyna Fat Bob .....	19
Drag Specialties (US) Custom seat order program .....	5
Editrice Custom (IT) 37th Biker Fest International .....	63
Fehling (DE) Parts & accessories .....	26
Feuling Parts (US) 'BA' air cleaner .....	58
Freedom Performance Exhaust (US) Multiple exhaust options for new Indian Chiefs .....	39
Hawg Halters Inc (US) 'Dominator' mid-controls, mounts and floating brake rotors .....	27
Hawg Wired (US) Factory glovebox detents .....	33
Kellermann (DE) Jetstream indicator .....	53
Le Pera Enterprises (US) Seats .....	7
Letric Lighting (US) Motorcycle lighting .....	57
Magnum Shielding (US) Complete handlebar kits .....	55
Maxima Racing Oils (US) V-Twin engine oil .....	11
Memphis Shades (US) Del Rio sportshield & handguards .....	30
Metalsport Wheels (US) Vee Rubber performance tires .....	55
Mid-USA Motorcycle Parts (US) Parts & accessories .....	29
Midwest Motorcycle Supply (US) Ultima 4-piston calipers and brackets .....	6
Motorcycle Storehouse (NL) Brake pads .....	21
MSI (US) Forged aluminum wheel blanks .....	51
Müller Motorcycle (DE) Lowering kits .....	53
NAMZ Custom Cycle Products (US) Wiring harnesses & fluid lines .....	58
National Cycle (US) VStream windscreens for '21-'23 Pan America models .....	51
Performance Machine (US) Air cleaners .....	15
Progressive Suspension (US) 465 Series shock .....	45
S&S Cycle (US) High performance crate engines .....	43
SBS Friction (DK) 'Better Brakes' compounds .....	35
Surflex (IT) Clutches for Harley-Davidson .....	20
Tucker Powersports (US) Twin Power oils .....	17
Tucker Powersports (US) Kuryakyn 'Tracer' lights .....	49
United Engine & Machine (US) KB Performance cast hypereutectic and forged pistons .....	30
Western Power Sports (US) New website launch 'Highway 21' .....	25
Zodiac International (Europe) (NL) Parts & accessories .....	2

## THIS MONTH'S EDITORIAL ITEMS

AIM Corp (US) Variable pressure three-stud style A&S clutch .....	44
American Prime Manufacturing (US) Complete SU kits .....	52
Andreani Group International (IT) Andreani USA expands product offering .....	10
Arch Motorcycles (GB) 1s ready for production .....	32
Arrowhead Engineered Products (US) New CEO and CFO .....	1,8
Arrowhead Engineered Products (US) NewsBrief: Portland 'Mega Warehouse' .....	24
Baker Drivetrain (US) 6-speed tapered roller bearing kit .....	46
Barnett Clutches & Cables (US) Extra-plate clutch kits .....	36
Belt Drives Ltd (US) Adjustable Competitor clutch .....	44
Beringer (FR) H-D 300 mm rotor application caliper .....	56
Bike Farm Melle (DE) Bohemian Custom Motorcycle Iron Redskins winner .....	61
Biker Fest (IT) 37th edition show .....	20
Bohemian Custom Motorcycles (CZ) Bohemian Custom Motorcycle Show review .....	60-61

Bombardier Recreational Products (CA) NewsBrief: Q4 revenues .....	14
BS Battery (FR) Smart chargers available in the USA .....	34
Buell Motorcycles (US) Super Cruiser and 1190 Super Touring models .....	8
Burly Brand (US) Diamondback Grip .....	34
Burly Brand (US) 'Slammers' for M-8 Softail .....	50
Comoto Holdings (US) NewsBrief: Sponsors AMA National Adventure Riding Series .....	28
Corbin Saddles (US) Motoflux - rotational power .....	28
Custom Chrome Europe (DE) Kodlin 2" STR8UP Softail bars .....	36
Custom Dynamics (US) Product additions .....	40
Custom Engraving (US) Partners with HardDrive .....	16
Design Engineering Inc (DEI) (US) Beat the heat .....	40
Dr. Jekyll & Mr. Hyde America (US) Exhausts now available in USA .....	64
Drag Specialties (US) NewsBrief: New hire, John Potts .....	20
Energica Motor Company (IT) NewsBrief: New partnerships .....	26
Fred Kodlin Motorcycles (DE) STR8UP Softail bars available through Custom Chrome .....	36
Gilles Tooling (LU) Becomes Indian Motorcycle Racing technical partner .....	18
HardDrive (US) HardDrive catalog .....	12
HardDrive (US) Partners with Hofmann Designs and Custom Engraving .....	16
HardDrive (US) Firebrand Monarch 2-1 exhaust system .....	50
Harley-Davidson Staalfabrik (DE) Top three German Harley dealers honored .....	16
Harley-Davidson (US) NewsBrief: New CVOs at 120th 'Homecoming' .....	16
Harley-Davidson (US) NewsBrief: Search for new CFO .....	24
Harley-Davidson Pfeiffer (DE) Top three German Harley dealers honored .....	16
Hawg Halters Inc (US) Mid-control motor mount bracket .....	52
Hawg Wired (US) Hawg Wired factory glovebox detents .....	36
Hofmann Designs (US) Partners with HardDrive .....	16
House of Thunder (DE) Top three German Harley dealers honored .....	16
Indian Motorcycle Charlotte (US) NewsBrief: Bought by Redline Powersports Group .....	18
Kellermann (DE) Names Tucker as exclusive U.S. distributor .....	26
Khrome Werks (US) M-8 three-step 'Outlaw' 2-into-1 .....	52
Kodlin USA (US) Additions for M-8 Softail models .....	56
LiveWire (US) LiveWire ONE launches in Europe .....	12
Metalsport Wheels (US) Vee Rubber makes it big .....	38
Mid-USA Motorcycle Parts (US) Product additions .....	48
Midwest Motorcycle Supply (US) Ultima 124 ci Competition Series Twin Cam engines .....	54
MV Agusta Motor (IT) NewsBrief: Restructuring completed .....	28
NAMZ Custom Cycle Products (US) Tall-Bar harness for Indian Chiefs .....	36
NAMZ Custom Cycle Products (US) Mating pigtails .....	54
National Cycle (US) Windscreens for Nightstereos .....	46
National Motorcycle Museum (US) NewsBrief: To close in September .....	24
Pavel Malanik (CZ) Bohemian Custom Motorcycle Best in Show .....	60
Polaris Industries (US) NewsBrief: Timbersled lawsuit filed .....	14
Polaris Industries (US) NewsBrief: Official Partner for International Female Ride Day .....	16
Polaris Industries (US) NewsBrief: 'Xchange Powersports Marketplace' .....	20
R&G (GB) Pan America product additions .....	42
REV'IT! Sport International B.V. (NL) Dual-layer, multi-season Stratum GTX .....	48
RGNT Motorcycles (SE) Sport Extended electric production models .....	33
Rick's Motorcycles /H-D Baden-Baden (DE) Softail covers .....	46
RumbleOn (US) NewsBrief: Results .....	18
TC Bros Choppers (US) Extra narrow triple trees .....	56
The Merlin Partnership (GB) Hires Mawby for U.S. office .....	18
The Merlin Partnership (GB) 'Mahala Pro' jacket .....	52
The Norton Motorcycle Co. (GB) NewsBrief: Deliveries of V45V .....	26
Touratech (DE) Comfort seat for Pan America .....	50
Triumph Motorcycles (GB) Distinguished Gentleman's Ride 2023 .....	10
Tucker Powersports (US) Exclusive U.S. distributor for Kellermann .....	26
Tucker Powersports (US) FirstGear 'Palisade' and 'Reflex' jackets .....	44
Twin Club MC Norrtälje (SE) Custom Bike Show #49 .....	24
Twins Forever MC (LT) Rising Thunder Custom Bike Show .....	24
Vance & Hines (US) VO2 Insight intake .....	56
Yamaha Motor Co (JP) 'Green aluminum' .....	14
Yamaha Motor Co (JP) NewsBrief: Yamaha Motor Exploratory Fund .....	16
Zero Motorcycles (US) Collaboration with Hero MotoCorp .....	14
Zero Motorcycles (US) NewsBriefs: Go Electric incentive; Micro-Electronics .....	18
Zero Motorcycles (US) SR-X Concept .....	32



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# NEWS BRIEFS

## Jim Preisler 1942 - 1923

AMD was saddened to learn of the death of Jim Preisler earlier this year, aged 80. Jim was a Design Engineer by profession, but that doesn't even start to cover his talents and achievements. One of the 'gang' at the original Drag Specialties - back in the days of Tom Rudd's ownership, Jim started there in 1970 - his product designs and development follow-through did much to propel the business to an annual \$28 million in sales. Jim was President of Drag Specialties in the 1980s, and after Fred Fox had taken ownership of Drag, Jim was President, COO, and owner of the remaining core of the manufacturing business from 1991 (D.S. Manufacturing at Pine Island, Mn.) until its sale to Lincoln Industries in 2015. During that time, Jim focused on the design, development and building of the Khrome Werks line of motorcycle exhausts and accessories and overseeing the contract manufacturing portion of the business. Jim was an U.S. Army Veteran and an avowed lifelong petrol head who had several records to his name - Jim was a passionate race performance engineer and motorcycle drag racer, initially as a professional NHRA drag racer, then as a hobbyist racer and life-long pleasure rider. In 1973, Jim held a national record in the quarter mile of 8.44 seconds at 170 mph on his double engine Harley. Jim was also a skilled woodworker and journeyman cabinet maker. In 2015, Jim embarked on a sizeable HO model train layout, feeding off his life-long love of trains. Most importantly, Jim Preisler was one of the genuinely 'nice guys' of the aftermarket. Our thoughts are with his wife Cheryl and their family and friends - their loss is also our loss.



# Dr. Jekyll & Mr. Hyde Exhausts Now Available in USA

Exhaust sound management specialist Dr. Jekyll & Mr. Hyde recently celebrated 25 years in business. Manufactured in the Netherlands, Jekyll & Hyde is among Europe's most popular aftermarket exhaust brands, offering slip-on and complete exhaust systems for Harley-Davidson, Indian, BMW and Triumph motorcycles.

"The quality and design are second to none," says William Plam, President of Jekyll & Hyde USA.

"All products are backed by an included four-year warranty, and what sets Jekyll & Hyde apart is the ability to change the exhaust sound to suit the moment.

"When the bike starts, Dr. Jekyll Mode is activated, and the exhaust note is similar to, or in some cases quieter than the stock exhaust. With the push of a convenient handlebar located button, option two, the altogether different persona of the Mr. Hyde Mode is unleashed, and the motorcycle takes on a deep and satisfying tone.

"For those seeking a little bit of each, there is also a third sound mode - the Dynamic Mode - which delivers

something in between the two extremes.

"The Dr. Jekyll & Mr. Hyde concept is ideal for riders who don't want a loud exhaust all the time. Entering or leaving the neighborhood, riding through areas with posted noise restrictions, having a break from a loud exhaust note while on a long ride,



improving passenger comfort, and being able to hear the sound system are just some of the reasons to choose Dr. Jekyll & Mr. Hyde," says William.

The website features an exhaust configurator, allowing the user to choose the finish and style of the mufflers and end caps. Dealers are provided with a login and can configure the exhaust with the



customer. The interface will display retail pricing, and the dealer discount is applied at checkout, allowing a dealer and customer-friendly shopping experience.

Dr. Jekyll & Mr. Hyde exhausts are imported and distributed in the USA by Plamoto, Inc. in Hendersonville, North Carolina (doing business as Jekyll & Hyde USA), and the most popular exhaust configurations are stocked in North Carolina.

If the chosen configuration is not in stock, the exhaust will be assembled in the Netherlands within days of order placement and shipped via UPS airfreight directly from the factory to the dealer at no extra charge. Turnaround time from order to delivery averages 7-10 days.

The images show Dr. Jekyll & Mr. Hyde making its debut at Daytona.

[www.jekyllandhyde.us](http://www.jekyllandhyde.us)



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