

PRESS NOTICE

BMZ redefines "performance" and takes e-bike performance to a new level with modern technology

Karlstein am Main, 06.08.2020 - As a global innovation driver in the battery industry and an open system provider in the e-bike market, the BMZ Group is presenting the new performance benchmark. With the **BMZ V10 Intube**, the engineers at the BMZ development forge have succeeded in bringing a **725Wh** integral lithium-ion battery with a stylish look to series production. The currently highest capacity is accommodated in the smallest installation space - so the BMZ V10 Intube has the best power-to-weight ratio in the global market comparison with **30% more range**.



picture 1: BMZ V10 Intube – seen here when taking it out of the frame. Available as 36V and 48V version. To that Battery offers BMZ an Open Mold down tube solution, so that OEMs can quickly integrate the battery into their frame system



picture 2: BMZ RS Motor – 20% higher torque than other motors at low cadence. Has a CAN and Bluetooth interface for secure communication, including a service tool.

And that's not all - BMZ completes the drive system with another crucial component. The **BMZ RS high-performance motor** with an impressive **112 Nm** torque supplements the bundle of energy in the down tube and, as one of the frontrunners, tops the e-bike motor segment, which is currently only dominated by motors with 75 to 90 Nm. For the perfectionist, there is no performance level that BMZ now covers with its RS engine. The perfectly coordinated interaction of battery and motor brings incredible power to the asphalt and trail, which, through the combination of **48V operating voltage and 725Wh** in the battery, produces top values in efficiency and range. Christian Adamczyk, Head of Marketing & Communication at BMZ: „Our (test) drivers are enthusiastic about the result of the most powerful battery and the most powerful motor. We are sure that a new standard will emerge with this drive system - e-bikers rely on quality, innovative technologies and, above all, efficiency. All of this is reflected in our components as "**Made in Europe / Germany**" developments. The combination of performance and energy reserve makes us an absolute TOP player in e-bike component systems.”

The BMZ RS comes in three versions - **BMZ RS Sport** as a highly dynamic sports engine, **BMZ RS Comfort** for city and SUV bikes and the **BMZ RS Cargo** for pick-up variants. The first test bikes were created in cooperation with NOX Cycles in the high-end e-MTB sector and are ready for test. Furthermore, the BMZ RS motor will be found in various cargo applications that are currently being developed with some customers. Wherever maximum performance and dynamism are required, the BMZ RS Motor succeed and offers in every situation, e.g. starting

and accelerating, a powerful thrust. The first bikes with the RS Sport have been available from NOX Cycles in the high-end e-MTB segment since the beginning of May and have already proven themselves in tough practical use.

The full torque can be called up in a wide range of cadence and is available for a long time thanks to an intelligent cooling system. Thus, without overheating, ergo without loss of performance, every journey can be enjoyed to the fullest, no matter how demanding.

In the future, we will report more about differences to competitive models on social media channels.



picture 3: First testreports are online available. click on the picture



picture 4/5: Cargo Bike with BMZ RS Engine, design from mubea

BMZ Gruppe – Leading in E-Bike components

As an open system provider, the BMZ Group offers individual integration of e-bike components. In addition to the tried and tested battery technology, which BMZ customized and also developed standardized, the portfolio also includes solutions consisting of a display, motor, communication interface and an adapted charger. Connect C is a smart and digital connection to the e-bike, with which detailed information from the drive system can be called up via smartphone, the support levels can be adjusted and the remaining range can also be displayed with the existing battery charge. BMZ also has a global service network with professional e-bike experts who serve as the first point of contact for service and support.

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