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ABB's Dodge® Quantis gear reducers and gearmotors now available in higher ratios

Product line extension delivers 20 times greater output speed range

ABB has expanded its Quantis modular gear drive range to offer four and five stages of gear reduction for all three types of gear arrangements: in-line helical (ILH), offset parallel (MSM) and right angle helical bevel (RHB). Quantis reducers and gearmotors can now be configured in ratios over 7500:1 with an output torque range up to 14,000 Nm, making the new output speed range 20 times greater than before. The higher ratio capabilities make the Quantis gear line an ideal solution for the most common applications found in water, wastewater, meat processing, grain handling and thermal processing.

Quantis reducers feature up to 98 percent efficient gearing and are available with integrated or flange-mounted IE3 or NEMA Premium energy efficient motors. With an advanced design concept, users have the flexibility to configure the product for a wide variety of installations.

Quantis gearmotors are manufactured for long-lasting reliability with wear-free gear designs that are finish-ground with an ellipsoid tooth form. Standard units feature class 30 gray iron gearcase housings, and all units are available with a two-piece, harsh-duty output sealing system that provides industry-leading protection against contamination. E-Z Kleen corrosion-resistant and Ultra Kleen all-stainless steel units are available for the food and beverage industry.

Clamp style or three-piece coupled inputs are available for easy motor installation and removal. For shaft-mounted applications, RHB and MSM styles feature the patented twin-tapered bushing system that makes it simple to install and remove the reducer from the driven shaft with no damage.

Whether an application requires the compactness of an integral gearmotor, the durability of a three-piece coupling, or a separate shaft input for direct-coupled equipment, Dodge Quantis offers thousands of reducer configurations and bolt-on accessories to meet any need.

About ABB

ABB is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally. Continuing more than a 125-year history of innovation, ABB today is writing the future of industrial digitalization and driving the Energy and Fourth Industrial Revolutions. ABB operates in more than 100 countries with about 132,000 employees.

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Caption: The extended Quantis gear line is ideal for applications in water and wastewater, meat processing, grain handling and thermal processing

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