

## Ribeirão Preto - SP again becomes the city of Agriculture in May

Dunkermotoren and MAE are exhibiting at Agrishow Brazil

The **Agrishow in Brazil** is the place to be for all agriculture technology manufacturers around the world. Especially for the Brazilian and South American market the show is the number one meeting point when it comes to industry trends and technology.

From **April 29th to May 3rd, 2024** Dunkermotoren and MAE, both brands of AMETEK, will be exhibiting in the **Arena de Soluções Agro in Rua 5 at booth 72.**

Dunkermotoren and MAE are well-known in the agricultural business for motor and blower solutions. With the slogan „Agri goes electromechanical“, both companies want to push the switch from pneumatic to electric motor solutions. The electrification of agro machines is one of the industry’s megatrends, allowing processes to become more efficient, thus, increasing the overall productivity while reducing its costs. The blower and motor solutions from MAE and Dunkermotoren impress with maintenance-free lifetime, high energy efficiency and a robust design with protection class up to IP69K.

For those who are not familiar with Dunkermotoren – the outstanding advantage of Dunkermotoren’s smart brushless motors is their integrated intelligence into the housing and the possibilities within Smart Farming with nexofox, the company’s own IIoT brand. The communication interfaces CANopen or other Ethernet interfaces are belonging to the standard portfolio of smart motors (Series BG dPro) at Dunkermotoren. Integration of multiple devices, predictive maintenance and condition monitoring are simple to implement.

In addition to their brushless motors, Dunkermotoren will also present their linear systems at the show. An innovation – designed for the harsh environments agricultural machines are operating in - is the electric actuator CAHB. Combined with a brushless or brushed DC motor it can e.g., adjust the crop ejector on forage harvesters, and offers completely new possibilities



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as an alternative to pneumatic or hydraulic cylinders. The CAHB is very powerful and is available with strokes up to 700 mm and forces up to 10,000 N. This electric solution is much more energy efficient compared to pneumatic or hydraulic cylinders. Expensive air pressure or oil supply are eliminated. Additionally, features such as positioning, speed ramps, force measurement, and the creation of individual motion profiles can be realized based on customer requirements.

MAE is presenting its latest highlights of stepper motors and blowers.

Stepper motors are used in electromechanical systems that demand precision and movement control in agricultural machines such as planters, sprayers, and mechanism drives such as valve controls. The MAE stepper motors are available in the three common NEMA sizes: 17, 23 and 34. They can be configured with gearboxes, brakes, encoders, and integrated electronics. High IP standards are available on request.

MAE's electric blowers have an extensive pressure and flow range offering flow control, efficiency with low energy consumption and a compact size compared to hydraulic blowers. Blowers can be applied to different products that require positive pressure or vacuum, such as transporting materials, transporting seeds and inputs, storage and cleaning systems.

The products of both companies are used in seeding, fertilizing and milking applications as well as for farming robots.

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