

We automate the SMEs fit for the future. What is your business?

Meinerzhagen/Hannover. Sophisticated automation connects man and technology. It supports your staff reasonably, disburdens and secures valuable manpower and leads a perfectly coordinated team of man and robotics in light of the increasingly competitive pressure to higher efficiency in the production process. As a distributor of well-known suppliers such as Universal Robots - the global leader amongst producers of collaborative robot arms, KUKA as well as diverse AGV brands and as a manufacturer of key robotic periphery made in Germany, Dahl Automation optimizes manual workstations and thus especially allows SMEs maximum flexibility in a wide variety of sectors.

With our sectors

- collaborative and conventional robotics
- adaptive gripping technology & special grippers
- visual object recognition, sensors and further periphery
- driverless transportation systems as well as
- plant integration

we regard all steps of a modern efficiency-driven company using its resources to add value. We serve you from machine loading and assembly of even sensitive parts to all following processes and complex parts control or sorting and up to internal logistics as well as palletising and finally packing of products. Whether in metal processing, automotive or electrical industry, whether in food or medical sector - as a system integrator we are your partner from the first idea until the commissioning.

As functional automation significantly depends on the peripheral components we at Dahl Automation developed our own serial products. These components have been certified specially for the reliable operation with Universal Robots, may be plug & play integrated with the collaborative robot and easily run thanks to a user-friendly intuitive interface.

Easy. Precise. Gripping. Our Dahl Adaptive Gripper DAG-M for small parts is the accurate gap closure in your automation. The Universal Robots + certified servo-electrical handling with BUS interface and 360° luminous ring for status display allows the free programming of parameters such as a variable gripper stroke, adjustable speed, position and power. The essential functions *Freedrive* and *Open/Close* are even available at the touch of a button directly on the gripper housing. Optionally, the gripper fingers may be customized. Thus, the DAG-M is the perfect tool for your fine tuning.

Sometimes it becomes necessary that your robot "gets eyes". By use of the Dahl Vision System we supply a visual object recognition for chaotic parts sorting or attribute-based parts control. The design of our static high-resolution version DV-S is completely customized. In respect of your application you select the suitable lens. After the comfortable installation and calibration of the DV-S you can easily teach objects, vary the sensitivity by variable determination of the edge threshold and check the physical availability of space for the upcoming gripping process by use of the integrated intelligent grip point control. At HannoverMesse we present the Dahl Vision System in direct combination with FlexiBowl, a clever technology for bulk separation and parts feeding. Convince yourself about the simplicity of the system at our training cell equipped with a UR5 of Universal Robots latest generation e-Series and realize the enormous potential of our industrial supporters for your company.

Discover a completely different application of Dahl Roboformance technology with our partner Rollon by Timken. In hall 17, stand C32 the worldwide well-known manufacturer for linear axles presents a palletizing cobot arm with enormous scope thanks to the "7th axis". What makes this so special is the full integration of the axle control into the one of the robot by the software component "Dahl Linear Move". The plug & play package consisting of a selectable Rollon linear unit, a B&R switch cabinet with servo amplifier and the decisive piece of software is available shortly at Dahl Automation.

Sounds interesting? Just meet us at HannoverMesse from 1-5 April 2019. You will find us on the joint stand of the State of North Rhine-Westphalia in hall 16 / A10. We will be glad to demonstrate to you our solutions for your optimal robot performance and would like to make you more aware of the topic "man-robot-collaboration" with free of housing cobots in SME companies.