#### RobCo GmbH München / Germany

#### Maximum flexibility thanks to robot-guided discharge bar iONstream 4.0



RobCo GmbH - founded in 2020 by a team led by Roman Hölzl at the Chair of Robotics and Artificial Intelligence at the Technical University of Munich - offers medium-sized industrial companies adaptable, affordable and networked robot solutions to automate repetitive manual tasks. These are based on a patented and world-first modular hardware kit and the RobCo Studio software platform. Whether machine tending, palletizing, dispensing or welding, RobCo's modular robots are versatile and intuitive. Thanks to the unique no-code software, the robots used can be configured, implemented and managed remotely via a digital twin. This guarantees quick and easy plug-and-play application without complex programming, expert knowledge or specialist personnel. With several thousand modules, RobCo employees support their customers every day in rethinking automation and tackling pressing challenges such as the shortage of skilled workers, production scaling and the transformation to Industry 4.0.

Fast adaptation and programming for a wide range of components

High discharge capacity

Networkable robots and discharge performance

hildehr

a Gema division



## **Application Success Stories**

#### RobCo GmbH München / Germany

### <u>Layout</u>



Discharge bar **iONstream 4.0** attached to the robot arm

High electrostatic discharge performance without the use of compressed air

Best quality during discharge

Centralization of all parameters can be retrofitted using **iONcontrol** 

Permanent logging of the residual charge can be retrofitted using **iONsense** 

a Gema divisior



# **Application Success Stories**

### RobCo GmbH München / Germany

# Installation Key Data

#### Electrostatic discharge of a suspended substrate

1 x iONstream 4.0: 320 mm, 6 kV mounted on the robot arm.

Discharge distance 80 mm to 300 mm possible without compressed air.

Only 24DC and earthing cable required to operate the iONstream 4.0







# **Application Success Stories**



#### RobCo GmbH München / Germany

C RobCo

The world's first patented, modular robot with up to 8 axes, developed in Munich. RobCo is globally active, control of the robots is based on AI-controlled software. This flexible and seamlessly integrable automation solution up to CE certification and completely "Made in Germany" - including hardware, software, patents, production and testing. The robot offers a load capacity of up to 40 kg, an arm reach of 2.5 meters and reaches speeds of up to 2 m/s.



