

Robot module solution from Bachmann Engineering AG receives certification from world market leader Universal Robots

The robotic module solution "Bachmann BlastingUnit", which enables the automation of blasting processes, receives UR+ certification from Universal Robots, the world market leader for collaborative robots. This adds the BBU to the global catalog of UR+ products.

"We are very pleased that, thanks to the certification, we can now offer the Bachmann BlastingUnit throughout the world as a UR+ product. The certification is a testimony to the innovative strength of Bachmann Engineering AG." This is how Andrea Alboni, Regional Manager Western Europe at Universal Robots (UR), comments on the inclusion of the BBU in the worldwide catalog of UR+ products. The UR+ certificate guarantees compatibility with UR's collaborative robots (cobots) and compliance with specific quality criteria.

Sophisticated add-on set for the automation of blasting processes

But what exactly does the newly certified solution do? The BBU is a complete attachment set that enables the automatic insertion of workpieces into existing blast machines. This process is mastered with a transfer station that ensures that the bellows and coupling system are fixed in their exact position. The system is designed so that the robot connects the bearing flange and gripper flange in a force-fit manner. This allows the robot to move the workpiece with positional accuracy in the blasting machine during the blasting process. When the process is complete, the robot arm guides the workpiece out and deposits it on a workpiece carrier.

The universe of UR+ products is decisive

The market for UR cobots, which can work in close proximity to and together with humans, has grown strongly in recent years. The main success factor has been and still is the ease of programming, which allows even untrained employees to quickly enter the field of collaborative robotics. In addition, the continuously growing universe of UR+ products is a key success factor. For example, UR+ products must meet "plug & produce" requirements, which again plays into the hands of the simplicity factor.

"Use of cobots is obvious".

"We are proud that with the BBU we can now offer a first product with UR+ certification," says Marc Strub, CEO of Bachmann Engineering AG. He is convinced that the UR cobots and the currently more than 350 UR+ products worldwide will meet with increased demand in the coming years. "Cost pressure and a shortage of skilled workers are forcing many companies to look for creative solutions – the use of UR cobots in combination with UR+ products is an obvious choice."

Universal Robots, based in Odense (DK), is a pioneer and world leader in collaborative robotics. UR cobots are designed for loads up to 3 kg, 5 kg, 10 kg and 16 kg (www.universal-robots.com).

UR+ products are third-party peripherals and solutions that have been tested by Universal Robots for compatibility with UR cobots. UR+ certified products integrate seamlessly and comply with the Plug & Produce approach (www.universal-robots.com/plus).

Bachmann Engineering AG, based in Zofingen (CH), builds customized turnkey robotics and automation systems. In collaborative robotics, the company has more than 10 years of experience and can look back on more than 500 installed systems with UR cobots (www.bachmann-ag.com).

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