

IAR Group becomes exclusive distributor of the quality inspection system "Q-buddy" by Ypsotec

The world novelty "Q-buddy" developed by Ypsotec AG will be distributed exclusively by IAR Group AG with immediate effect. The IAR Group is thus expanding its product portfolio with an intelligent quality inspection system for the manufacturing industry. The Q-buddy will be presented at an exhibition in Zofingen (AG) on October 19-20, 2022.

"I am very pleased that we can offer the manufacturing industry the ingenious Q-buddy quality inspection system. We are proud to be the exclusive distributor of Ypsotec AG for this world first," says Sébastien Perroud, CEO of IAR Group. Daniele Marco Galatioto, CEO of Ypsotec, is also happy about the cooperation: "IAR Group is the perfect partner for us. Thanks to their broad customer base in the metal supply industry, we have access to a wide range of companies that should be interested in Q-buddy."

Quality inspection by weighing the parts

But what exactly does the new system do? The Q-buddy is a fully automated quality inspection system for precision mechanical parts that can be docked directly to a CNC machining center. The quality inspection is based on an exact measurement of the part weight. If this is within specified tolerances, it is highly likely that the production process is stable and produces precision parts with tolerances. Conversely, in the event of statistical deviations, an immediate message is sent to the personnel and/or production is stopped immediately. This allows further clarifications to be made and the necessary quality assurance measures to be initiated.

"The Q-buddy was developed by users for users."

According to Galatioto, the new quality inspection system offers two main advantages: "On the one hand, the Q-buddy functions as an early warning system for possible quality defects in daytime production; on the other hand, it enables low-risk nighttime production without human supervision." In both cases, the Q-buddy prevents costly loss of material and time and makes a decisive contribution to quality assurance. For companies like Ypsotec, this is of existential importance. Galatioto: "To be competitive, we have to meet the high-quality requirements of our customers. The development of the Q-buddy should be seen against this background. Q-buddy was developed by users for users."

Q-buddy closes gap in automation chain

The Q-buddy, which can inspect up to 180 parts (with a maximum diameter of 60 mm) per hour, will be presented to interested parties at an exhibition in Zofingen (AG) on October 19/20, 2022. In the near future, the quality inspection system, which is also suitable for predictions in production (predictive manufacturing) thanks to machine learning and pattern recognition, is to be widely used. Perroud: "We will integrate the Q-buddy into our systems for automatic loading and unloading of CNC machines (see www.lus-systems.com). This will allow us to offer complete, fully automated solutions to the manufacturing industry." These will also be able to inspect larger parts (> 60 mm). Perroud sees great potential for the Q-buddy: "Automation is well advanced in CNC manufacturing; however, there is a large gap in the automation chain when it comes to quality inspection. The Q-buddy closes this gap."



IAR Group AG is an international group of three successful companies operating in the field of industrial automation and robotics. Based in Switzerland, IAR Group includes the following operating companies: Automation Specialist Services LLC in the USA, Bachmann Engineering AG in Switzerland and Zeugma S.A. in Portugal. Further information: www.iargroup.com

Ypsotec AG, a 100% subsidiary of Ypsomed AG, supplies numerous top Swiss companies in medical technology and industry with precision parts that meet the highest quality requirements. From product development, turning and milling to subsequent processes such as thermal treatment, surface finishing, laser marking and laser welding, quality assurance and just-in-time delivery, Ypsotec offers everything from a single source. Further information: www.ypsotec.com

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Photo: Signing of the distribution partnership (from left to right):

- Eduard Lysser, Director Sales & Marketing, Ypsotec
- Daniele Marco Galatioto, CEO Ypsotec
- Sébastien Perroud, CEO IAR Group
- Hans-Ulrich Kurt, Member of the Board of Directors IAR Group