**German Innovation Awards 2019: Gold for TGW**

* **Award for outstanding innovation performance in the category “Logistics & Infrastructure” for Rovolution**
* **Robotic solution enables fully automatic single-piece picking in logistics**
* **Technology is based on expertise from the fields of cognitive robotics, machine learning, and image recognition**

**On 28 May, the 2019 German Innovation Award was presented at the German Museum of Technology in Berlin. The Austrian intralogistics specialist TGW Logistics Group was delighted to receive the prestigious gold award in the B2B category Logistics & Infrastructure for *Rovolution*. This innovative robotics solution for fully automatic single-piece picking succeeded in convincing the distinguished panel of experts from the fields of research and industry.**

Stefan Holzner, Managing Director at TGW Robotics, and Maximilian Beinhofer, Head of Cognitive Systems Development, accepted the award at a grand ceremony attended by 350 specially invited guests. The jury's reasoning was as follows: “A remarkable industrial robot that is not only intelligent, but that can also be put to highly flexible use and therefore has the potential to revolutionize industrial logistics.”

A total of 695 companies and start-ups submitted their products in various categories this year – including such well-known brands as ABB, Bosch, and Samsung. After having been awarded the Austrian Robotics Award in 2018, TGW was now proud to receive the German Innovation Award – the second top-class award for Rovolution that TGW received within only a few months.

**New Age of Robotics in Intralogistics**

The German Innovation Award is given for products from all sectors that stand out due to their user-orientation and which provide added value compared to previous solutions. The aim of the award is to make great achievements visible to a broad audience – and to bring pioneers to the fore. The prize was initiated by the German Design Council, which was founded by the German Parliament. “The German Innovation Award is a great acknowledgement for all the work done over the past months. With Rovolution, we are ushering in a new era of robotics in intralogistics,” underscores Harald Schröpf, CEO of the TGW Logistics Group.

While robots have been state-of-the-art in automotive manufacturing for many years now, bin-picking has long been regarded as one of the greatest challenges in robotics. Main difficulties are the reliable detection of items and costly programming. However, picking robots have a high market relevance – not least because of both the e-commerce boom and the resultant increase in the amount of individual orders.

**Powerful and flexible**

Rovolution combines two key features: Performance maximization and flexibility. Maximizing performance does not mean simply enhanced kinematics, but the total elimination of downtime. “This is based on expertise from the area of cognitive robotics, machine learning, and image recognition. Rovolution corrects unexpected events autonomously and without human intervention”, confirms Markus Gusenbauer, Director Group Technology of TGW Logistics Group.

The second big advantage is its enormous flexibility. In comparison to other systems, Rovolution can handle a huge variety of different article types. Both rigid and soft packs are securely gripped – be it T-shirts in polybags, food bags, or toy boxes.

**Evaluation criteria:**

The evaluation criteria of the German Innovation Award include: Level of innovation, user benefits, and cost-effectiveness. The innovation strategy has to take into account aspects such as social, environmental and economic sustainability as well as the use of energy and resources. Factors such as location and employment potential, longevity, market maturity, technological quality and function, materials and synergy effects also play a decisive role in the decision-making process. The winners were chosen by a jury of distinguished experts – including physicists, patent advisers, computer scientists, finance specialists, product designers, technology historians, and marketing experts.

[www.tgw-group.com](http://www.tgw-group.com)

**About TGW Logistics Group:**

TGW Logistics Group is a worldwide leading provider of intralogistics solutions. For 50 years this Austrian specialist has been providing automated systems for international customers from A as in Adidas to Z as in Zalando. As a systems integrator, TGW provides planning, production, and implementation of complex logistics centers –from mechatronics to robotics and from control systems to software solutions.

With approximately 3,300 employees, TGW Logistics Group has offices in Europe, China, and in the U.S.A. In the 2017/2018 business year the company achieved a total turnover of € 713 million.

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PickCenter Rovolution: TGW

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