igus Wins 2024 RBR50 Robotics Innovation Award for ReBeL Humanoid Hand Gripper

# Low-cost, human-like hand for the igus ReBeL cobot can perform a variety of humanoid tasks

**07 May 2024** – igus®, the leading global manufacturer of engineered components to increase the service life of customers' machines, has announced that its ReBeL humanoid hand gripper has won the prestigious [2024 RBR50 Robotics Innovation Award](https://www.therobotreport.com/rbr50-company-2024/igus-gives-rebel-cobot-a-low-cost-human-like-hand/). The new end effector is compatible with all ReBeL collaborative robot models and controlled by digital I/O at the tool center point.

With the new low-cost robotic hand, the ReBeL cobot can now perform a variety of simple humanoid tasks. It can also mimic human motion in teleoperation or imitation-learning applications.

“As the ReBeL is very light and inexpensive, with a weight of around 8 kg [17.6 lb.] and a price starting at $6,899, it is often used in humanoid applications,” said Alexander Mühlens, head of the low-cost automation business unit at igus. For this reason, we have received several customer requests for a robot hand that can be easily connected to the ReBeL via plug-and-play.”

Small and midsize enterprises, which are already adopting collaborative robots for their ease of programming, can try to automate new tasks with low risk using the ReBeL [hand gripper](https://rbtx.com/en-US/components/end-effectors/igus-rebel-finger-gripper). Following igus' policy of openly listing its prices, the ReBeL finger gripper is available for $2,760.



### Image PR0424-1

*With the new low-cost robotic hand, the ReBeL cobot can now perform a variety of humanoid tasks. (Source: igus GmbH)*

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| PRESS CONTACT: Michael Rielly  1.800.521.2747  mrielly@igus.net  www.igus.com |  |
| ABOUT IGUS: igus GmbH develops and produces motion plastics. These self-lubricating, high-performance polymers improve technology and reduce costs wherever things move. In energy supplies, highly flexible cables, plain and linear bearings, and lead screw technology made of tribo-polymers, igus is the worldwide market leader. The family-run company based in Cologne, Germany, is represented in 31 countries and employs 4,600 people across the globe. In 2022, igus generated a turnover of €1.15 billion. Research in the industry's largest test laboratories constantly yields innovations and more user security. Two hundred thirty-four thousand articles are available from stock, and service life can be calculated online. In recent years, the company has expanded by creating internal startups, for example, ball bearings, robot drives, 3D printing, the RBTX platform for Lean Robotics, and intelligent "smart plastics" for Industry 4.0. Among the most significant environmental investments are the "chainge" program – recycling used e-chains and participating in an enterprise that produces oil from plastic waste. | |