

Industrial robots from igus can be openly configured from € 5,000

igus expands its low-cost robot modular system and displays applications from its own production at the Hannover Messe

Configure easily and automate cost-effectively – at the 2017 Hannover Messe the motion plastics specialist igus presents new robolink components for individual robotics solutions. In addition to complete robotic arms in optimised design for even more freedom of movement, higher stability and up to eight kilograms of load, igus displays the 'robolink designer', with which users can configure their robotic arms easily and quickly.

With the robolink product range, igus has set itself the goal of offering cost-effective components made of lubrication-free and maintenance-free plastics, so that users can assemble their systems individually from joints using a wide variety of gears, motors and connecting elements – either with individual components in self-assembly or with a fully pre-assembled articulated arm. At the 2017 Hannover Messe, igus presents a new 5-axis robot kit with optimised design, which is also available as a finished, preassembled arm. The ready-to-connect robotic arm, which offers even greater freedom of movement and greater stability, is shown in production operation by igus at its stand in Hall 17.

igus offers these complete solutions even more cost-effectively with either four or five degrees of freedom in two different sizes. "With these solutions, we provide users with industry-grade products that we have tested in our own lab and even used for pick-and-place tasks in 24-hour operation in our own production facility," explains Martin Raak, product manager of robolink at igus. "The larger option of the new robotic arm for up to eight kilograms of load capacity is available ready for connection starting from 1 off for € 3,200 and with a low-cost control system for a total of around € 5,000." One option here is, for example, the control system of the manufacturer Commonplace Robotics (CPR). It is equipped with an easy-to-use software that can be used to control robolink D robotic arms with four or five degrees of freedom, only

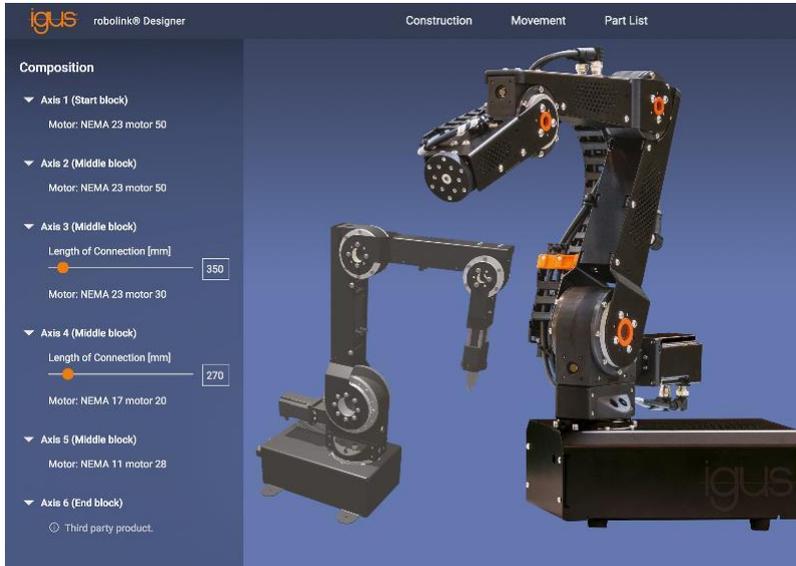
requiring an external computer for the installation. Even the smaller option of the robolink D articulated arm with a maximum load capacity of four kilograms can easily execute quick handling tasks for loads up to 500 grams.

Configure robots easily online

With the new 'robolink designer', customers can select their specific components step by step on an intuitive CAD interface, thus enabling them to configure their robotic arm quickly and easily from the first axis up to the tool. "The length of the arm is quite variable, so that the robot can be adapted to the respective work area," explains Martin Raak. "The software can also be used on a tablet, allowing, among other things, a visual simulation of movements on the rotating joints." Following the configuration, a parts list and a direct request to igus are issued.

All the news involving igus at the 2017 Hannover Messe can be found on Facebook and Twitter in the coming weeks under the hashtag #igusHM17

Captions:



Picture PM1517-1

Optimised design for even more freedom of movement and higher stability – freely configurable robolink robot arms for individual low-cost automation. (Source: igus GmbH).

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ABOUT IGUS:

igus GmbH is a globally leading manufacturer of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 35 countries and employs around 2,950 people around the world. In 2015, igus generated a turnover of 552 million euros with motion plastics, plastic components for moving applications. igus operates the largest test laboratories and factories in its sector to offer customers quick turnaround times on innovative products and solutions tailored to their needs.

The terms "igus", "chainflex", "CFRIP", "conprotect", "CTD", "drylin", "dry-tech", "dryspin", "easy chain", "e-chain", "e-chain systems", "e-ketten", "e-kettensysteme", "e-skin", "energy chain", "energy chain systems", "flizz", "iglide", "iglidur", "igubal", "invis", "manus", "motion plastics", "pikchain", "readychain", "readycable", "speedigus", "triflex", "twisterchain", "plastics for longer life", "robolink", "xiros", "xirodur" und "vector" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.