

Low cost automation with 5-axis articulated arms from igus

At Motek, the motion plastics specialist will present a predefined, assembled robolink D system in two new versions

Simple configuration, quick acquisition, immediate connection – the entry into the world of igus low-cost robotics is that easy. This is made possible by the new 5-axis kinematics from the robolink D series. Offered as an assembly kit consisting of arm, motor and gearbox, or now as a ready-to-connect articulated arm, users are given the opportunity to implement their own automation systems.

Robots are taking over in automation tasks more and more. Last year, sales of industrial robots exceeded the 245,000 pieces, which marks a new record. At the same time, interest is also growing in simple and inexpensive robotics solutions. In the area low-cost automation, with the robolink D igus offers users the ability to easily increase their productivity with a flexible robot kit. At the 2016 Motek, the motion plastics specialist will present a new 5-axis robot kit, which is also available as a preassembled arm, in hall 4, stand 4310.

Self-configured or pre-assembled

Thanks to the modular combination of the robolink articulated arm, motor and gearbox, the customer receives a system that can be assembled and used for a variety of robotic tasks. In addition, it is possible to combine motors and joints in several installation sizes with standard control systems for a complete robot made of plastic and aluminium. As pre-defined 5-axis kinematics with robolink D-joints, beside the igus stepper motors and metal parts as connecting system, igus e-chains and chainflex cables with a 36-month guarantee are also used. The motors can be controlled with commercially available control modules and the centre distances can be modified by changing the connecting parts. The robolink DC is available as a 5-axis model in two options: a small version with a load capacity of up to 0.5 kg and a larger version with up to 2.5 kg. The system can also be ordered as a subassembly, for example as a rotary unit, swivel unit or 2-axis swivel arm. The prefabricated arm is light and easily configured, and are as interesting for

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robot manufacturers and machine builders just as for system integrators and automation in all industries, from automotive production up to medical technology. Thanks to the robolink configurator, robolink D-joints are very easy to assemble and the robot arm can be easily configured. The price of the 5-axis articulated arm is € 3349 for the small or € 3998 for the larger option from a quantity of one without control system and is much lower cost with higher quantities.

Caption:



Picture PM5116-1

Whether as a kit or as a pre-assembled system: With the new 5-axis articulated arm from igus, entering the world of automation is very simple and convenient. (Source: igus GmbH)

PRESS CONTACT:

Oliver Cyrus
Head of Media and Advertising

igus[®] GmbH
Spicher Strasse 1a
51147 Cologne
Tel. 0 22 03 / 96 49-459
Fax +49 22 03 / 96 49-631
ocyrus@igus.de
www.igus.de/de/presse

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.