

Compact rotary module from igus for rotations in very confined spaces

Guide energy, data and media safely, without interruption for circular movements up to 360 degrees

The motion plastics specialist igus has developed a new and extremely compact rotary module which allows rotations to be implemented around its own axis, even in very confined spaces. Like all energy supply systems from igus for circular movements, the new CRM (Compact Rotation Module) can be used to provide energy, data and media in parallel and without interruption.

In order to supply rotating assemblies with power, for example in robotics or machine tool construction, the motion plastics specialist igus has been developing systems for years which can implement rotational movements of 420 to 600 degrees and even up to 900 degrees in certain specific applications. For applications where a multiple rotation around its own axis is less important than the optimum utilisation of a small space, igus has developed a system known as the "compact rotation module". "The new and very compact CRM enables circular movements of ± 180 degrees," explains Harald Nehring, authorised officer for e-chainsystems at igus. "A scale marking on the housing indicates the rotational position."

Customer-specific filling possible

Inside the CRM, chainflex cables, which are specially designed for motion, as well as hoses for media are routed in parallel and uninterrupted, thus eliminating the need for expensive and vulnerable rotary unions. This has the overall benefit of increasing machine reliability and minimising unscheduled downtimes. The new module is delivered by igus as a complete, ready-to-install unit and is easy to assemble. It has a height of only 140 millimetres and is 120 millimetres wide on the outer diameter. At market launch, users can choose between three different inner diameters, depending on the type of cable required. Here users can rely on chainflex cables with TPE outer jackets that ensure the highest cable quality.

Captions:



Picture PM5216-1

With the new CRM from igus, rotating movements of up to 360 degrees can be implemented in confined spaces. (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.