

e-cord micro protects the smallest hoses

Modular system from igus to guide and protect very small hoses and cables

Moving small scale capillary tubes reliably and safely often poses major problems for design engineers, especially in the medical industry. igus has now developed the e-cord micro system to address this. The modular system of straight, curved and mounting parts, means that even the smallest tubes can be fitted into moving equipment with confidence.

Medical machines often contain dosing and pipetting functions which require the constant movement of capillary tubes, which are only a millimetre or so in diameter. In these applications the fragile capillary tubes are often squeezed into a small bend radius which can cause damage to the tubes or blockages in the flow through them. igus has designed the e-cord micro to help in these cases. The system ensures the hoses do not fall within a pre-defined minimum bend radius of 45mm, and are also given some physical protection. The modular nature of the system and the elasticity of the material allows machine designers lots of flexibility when designing moving capillary tubes into the smallest of spaces.

Modular Design

igus assembles the e-cord micro to order, ensuring a perfect match to the required motion and space of the machine. In this way, different movement directions and travel path lengths can be implemented easily and flexibly. The concept for the e-cord micro, like many other igus products, was driven by customer requirements for a novel solution to their specific challenges. By producing a flexible solution, many other applications in different industries can be realised too.

Captions:

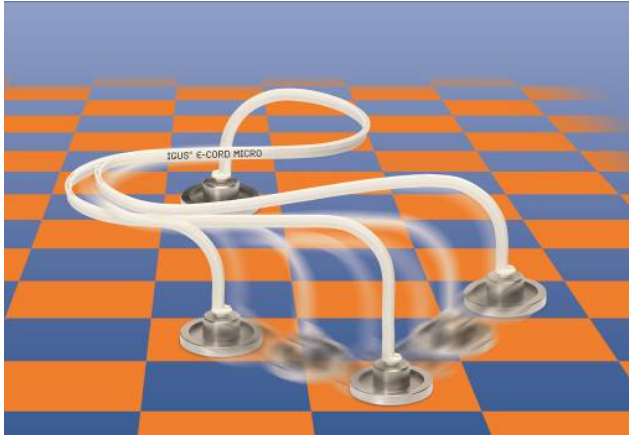


Photo PM3214-1

The e-cord micro is made of low friction tribo-plastics with predefined bending radii to reliably move small capillary tubes and cables. (Source: igus GmbH)

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ABOUT IGUS:

igus GmbH is a globally leading manufacturer in the field of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 35 countries and employs around 2,400 people around the world. In 2013, igus generated a turnover of 427 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, e-ketten, e-kettensysteme, chainflex, readycable, easychain, e-chain, e-chainsystems, energy chain, energy chain system, flizz, readychain, robotlink, pikchain, triflex, twisterchain, invis, drylin, iglidur, igubal, xiros, xirodur, plastics for longer life, CFRIP, dryspin, manus and vector' are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.