

## **New machine tool cables from igus are up to 70 percent more cost-effective**

**The chainflex servo cables complete the largest cable range for movement in e-chains**

**The motion plastics specialist igus has a comprehensive range of flexible chainflex cables for machine tools. With the four servo cable series for motion in energy chains, product and process costs can be easily reduced without having to sacrifice quality.**

For the machine tool industry, high machine productivity is the basis for sustainable competitiveness in world markets. High machine reliability at a low cost is offered to users by igus with a choice of 1,244 cable types sold by the metre and 4,000 harnessed cables according to 24 manufacturer's standards. At the 2016 AMB, igus presented visitors with the new expanded range of chainflex servo cables for machine tool construction. Depending on the requirement profile of the bend radius, travel distance or speed, the customer is offered the option of selecting the most cost-effective cable that is guaranteed to work from four different servo cable families for machine tool construction.

### **Servo cables for a variety of tasks in the e-chain**

chainflex cables of the CF27.D series with a minimum bend radius of only 7.5 times the cable diameter are particularly suitable for use in the smallest installation spaces and highly dynamic applications, for example in gantries. These servo cables combine a braided structure with optimised pitch lengths and gusset-filling extruded TPE inner jackets, which provides stability for the braiding and always guide the braided shield during constant movement. The CF27.D series feature a highly abrasion-resistant halogen-free, flame-retardant PUR outer jacket and is available in 28 different types.

For all kinds of movements in the machine tool, igus showcases the extended series CF270.UL.D at the exhibition. It combines an optimised, bending-resistant overall shield with a halogen-free, highly abrasion-resistant PUR jacket. With 35 types available from stock, it combines high performance with lower costs. With the CF280.UL.H family, the chainflex product range for machine tools is supplemented by servo hybrid cables. The CF897 family for

short travels on machine tools is also offered by igus. This chainflex series is up to 70 percent more cost-effective than comparable cables and combines an optimised stranding and a bending-resistant structure with igus' own outer jacket material iguPUR, which has been specially developed for use in e-chains in areas with oil.

**Individually or as a complete system**

All chainflex cables have been extensively tested in the test lab for moving cables at igus, which has a floor area of 2,750 m<sup>2</sup> and this guarantees a high service life that can be predicted online. Like all chainflex cables, the new options are also cut to the exact length required without incurring additional cutting costs. The cables can also be ordered as ready-harnessed readycable drive cables or as readychain complete systems with the appropriate e-chain, and supplied even from a quantity of one piece. The 36-month guarantee ensures that the user can find the ideal individual solution tailor-made for the machine movement.

**Captions:**



**Picture PM4416-1**

Save up to 70% of process costs: The new chainflex CF897 cable with iguPUR outer jacket is resistant to heat and oil. (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.