**Video of the Week – How automation is made easy with the modular Apiro system**

The new modular Apiro motion system from igus, enables design engineers to develop low-cost automation systems with endless possibilities. Consisting three lubrication-free worm gears for standard, inverted and linear movements, which can be connected in series or parallel and configured to perform simple linear motion to complex robotic tasks.

The worm gears of the Apiro series are made of tribopolymers, which are lubrication- and corrosion-free, as well as chemical resistant. The engineering plastics ensure a high degree of stability, are light weight, and provide a long, maintenance-free service life. Three different gear ratios are offered: 1:4, 1:32 and 1:64. To complete the system, mounting brackets, profiles, chainflex cables, motor kit with dryve D1 controller and assembly tools are also available.

This week’s video shows just some of the possible areas of application, from opening a greenhouse roof vent or a roller door to a cartesian pick-and-place machine. To watch the video show just some of the possibilities of using Apiro gears, please visit: <https://youtu.be/gXHGNKkrbhs>

For more information about the Apiro gears, please visit: [www.igus.co.uk/apiro](https://www.igus.co.uk/apiro) or call igus directly on 01604 677240.

**igus resources:**

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**About igus:**

Based in Northampton in the UK and with global headquarters in Cologne, Germany, igus is a leading international manufacturer of energy chain systems and polymer plain bearings. The family-run company is represented in 35 countries and employs 4,150 people around the world. In 2019, igus generated a turnover of 764 million euros with motion plastics, plastic components for moving applications.

With plastic bearing experience since 1964, cable carrier experience since 1971 and continuous-flex cable experience since 1989, igus provides the right solution based on 100,000 products available from stock, with between 1,500 and 2,500 new product introductions each year. 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, Apiro, chainflex, CFRIP, conprotect, CTD, drylin, dry-tech, dryspin, easy chain, e-chain, e-chain systems, e-ketten, e-kettensysteme, e-skin, flizz, ibow, igear, iglidur, igubal, kineKIT, manus, motion plastics, pikchain, plastics for longer life, readychain, readycable, ReBeL, speedigus, triflex, robolink, and xiros are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.

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