

PRESS RELEASE

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New igus product makes a splash in the world of robots

The new robolink IP44 from igus: a robot that defies water!

Requests by customers for a robolink fit for wet conditions has prompted plastics expert [igus](#) to design one that can withstand rain, showers, and moisture.

The company, which has its UK headquarters in Northampton, has developed its very first water-resistant robolink - a low-cost automation solution made of polymer and stainless steel.

Adam Sanjurgo, LCA Product Manager at [igus](#), the global manufacturer of energy chain systems and polymer plain bearings, explained: "Damp and wet environments can quickly degrade the mechanics of a robot, so customers have understandably been asking us for an affordable solution.

"Our customers no longer need to invest in expensive additional coverings, because the absence of lubrication in the joints simply means that no grease can be washed out or escape into the environment."

The new splash-resistant igus IP44 robolink can carry up to three kilograms, has a range of 790 millimetres and its five axes can make seven picks a minute.

Thanks to the use of motors, whose encoders have a protection class of IP65, the robot is perfectly designed for outdoor use.

It can also be used in everything from the food and beverage industry and chemical and pharmaceutical sector to tank and container cleaning operations.

See the splash-proof robolink for yourself and watch our very own Alexander Mühlens, Head of Project Engineering drylin® drive technology, get just a little bit wet!

<https://youtu.be/WXm8gO6QxWQ>

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 over 4000 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.

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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", "e-spool", "flizz", "ibow", "igear", "iglidur", "igubal", "kineKIT", "manus", "motion plastics", "pikchain", "plastics for longer life", "readychain", "readycable", "ReBeL", "speedigus", "triflex", "robotlink", "xirodur", and "xiros" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.

Captions:



Picture PM6320-1

Splash water is no problem, at least for the new robotlink IP44. (Source: igus GmbH)



Picture PM6320-2

Due to the lubrication-free and corrosion-free combination of polymer and stainless steel, the new robotlink has an IP44 protection class. (Source: igus GmbH)

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ABOUT IGUS:

igus GmbH is a global leading manufacturer of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 35 countries and employs 4,150 people around the world. In 2019, igus generated a turnover of 764 million euros from 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.

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