

2015 manus: On the lookout for challenging plain bearing applications

International competition for plastic plain bearing applications is in its seventh year – application phase continues

A for automatic telescope, B for boring device, C for cross trainer ... right through the whole alphabet, over 400 submissions competed for the 2013 manus award. Motion prevails in all these machines and equipment - and that is precisely where the lubrication-free plain bearings are used. The application phase for the 2015 manus continues until 20 February 2015, the competition where special applications with plastic plain bearings are recognised and rewarded. The awards carry prize money worth up to Euro 5,000 and will be presented at the 2015 Hanover Show.

They perform their service millions of times in the truest sense of the word "silent". But since they are so inconspicuous, they attract little attention to themselves. To counteract this, the manus award was introduced for the first time in 2003, and in the last competition, 437 participants from 33 countries competed. Now, after twelve years, it will be the seventh time that applications using plastic plain bearings will be examined, applications are characterised by technical and economic efficiency and the creativity of the developer. "With this competition we want to support innovation and award bold applications, regardless of the industry," says Gerhard Baus, authorised officer for plain bearings at igus GmbH. "Among the winners of the 2013 manus award were the developers of a pneumatic rotary piston engine or a friction clutch, as well as the designers of a cross-country skiing exercise machine." An array of inventions from a sausage toaster to a foldable car were presented at the competition.

Participants can apply online with a short text, images and videos of their application. This joint initiative of igus GmbH, Institut für Verbundwerkstoffe (Institute for Composite Materials), the Industrieanzeiger (industry indicator) and the Fachhochschule Köln (University of Applied Sciences Cologne) invites all developers and designers from around the world to participate. After the

application phase an independent jury will select the winners. Whether for applications for the industry or individual pieces, the only requirement is that at least one built prototype of the proposed application must exist.

Award ceremony at the Hanover Show

The prize-giving ceremony of the manus award will be held at the Hanover Show on the booth of igus GmbH. The winners of the contest will be rewarded with a prize of up to Euro 5,000. Visit www.manus-award.com and get all information, applications competing in the past years and a link to our online registration.

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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 2,400 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, robolink, 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.

Captions:



Image PM4514-1

The manus award goes into the seventh round - the application phase runs until 20 February 2015. (Source: igus GmbH)



Image PM4514-2

In the last manus award in 2013, the golden manus went to a manufacturer of cross-country skiing exercisers from Denmark. (Source: igus GmbH)