

## Small & Light - The readychain rack light fits into even the smallest corner of the machine ...

The igus assembly transport racks readychain rack and readychain rack light reduce process costs by up to 80 percent.

The light and slim assembly transport rack readychain rack light from igus now allows a perfect-fit, "plug and play" pre-assembled energy chain system to be used even for small applications. When combined with the already popular large readychain rack, the igus energy chain system readychain is finely tuned to customer requirements. Machine and plant engineers can reduce their process costs by up to 80 percent with the help of the readychain racks.

Modules are being used more and more often in mechanical engineering since their fixed prices allow manufacturers to plan more reliably. In addition, process costs are reduced through significantly shorter assembly times. This also applies to pre-assembled, tailor-made energy chain systems: The faster the energy supply arrives at the machine, the faster the mechanical engineer can do his job. For this purpose, igus has developed the variable assembly transport rack readychain rack. It delivers the plug-and-play energy chain system readychain quickly and safely to the machine. On site, telescopic supports are used to assembly it gradually and precisely to the machine interface within a single day. This helps to reduce process costs: Up to 80 percent in the prototype phase and up to 50 percent over the complete assembly process. It's no surprise that the assembly transport rack readychain is already being used in numerous mechanical and plant construction applications.



**Photo PM4013-1**

Thanks to its telescopic modular supports and braces, which fit together perfectly, the readychain rack can be adapted at any time. The readychain rack light is now also available. It is compact, which means assembly can take place even in the tightest of spaces. (source: igus GmbH)

### Small and finely made - the new readychain rack light

To make assembly even more efficient, the igus design engineers have made ongoing



**Photo PM4013-2**

Simple and fast modular adjustment: Switch from the readychain rack to the light version with the help of adapters. This way, the energy chain can be attached even in the last corner of the machine. (source: igus GmbH)

developments to the rack: With an edge length of only 40 millimetres, the new readychain rack light is only half the size of the original igus assembly rack which is too big for fine applications. The components of the new readychain rack light, such as the crosses, T-pieces and telescopes are slim, so that the energy chain can be precisely fitted and used even for small applications in the last corner of the machine.



If the large readychain rack is combined with the light version by means of adapters, adaptation of the readychain module to the individual customer application can be refined, making its use even more versatile and efficient.

### **Whether large or small, long or short - flexibility is the name of the game**

igus is now in a position to use the readychain rack both for large and small applications. Regardless of their size, both racks are constructed in millimetre precision even at the prototype phase, yet they can still be modified later for series production. It used to be weeks or even months before products were ready for series production. La Adaptation at a later stage was impossible due to the welded parts. However now, in contrast, the length of the modular supports and braces of the readychain rack, which fit together perfectly and are telescopic, can be adapted at any time. If modifications to the machine make the addition of components necessary at a later date, the changes can be carried out at any time thanks to the latching mechanisms - without any welding or painting work being required. Another argument in favour of the use of readychain racks is their reusability. Every readychain rack can be dismantled into its individual parts which can then be put together again for another project.

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#### **About igus®:**

The igus GmbH is a world's leading manufacturer in the field of energy chain systems and polymer plain bearings. The family-run company is based in Cologne, represented in 29 countries and contracts 2,200 employees worldwide. In 2012 igus generated a turnover of 399 million Euro. igus operates the largest test laboratories and factories in its industry to offer customers innovative and tailor-made products and solutions within the shortest time.

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