

## igus energy chains + clean room = best ratings on the test bench

### IPA certifies the ISO Class 1 specification for the E6.1 system

**igus successfully relies on in-house research and is honoured with best ratings. Now the E6.1 system has excellently passed the clean room quality test of the Fraunhofer IPA. Apart from that more systems of the world's leading supplier of energy chains received the coveted clean room certification.**

For more than 15 years igus has ranked amongst the pioneers with energy supplies in clean rooms. The company offers a wide range of IPA tested energy chains, which allow an energy supply in clean rooms, specifically to the machines and easy to install. Due to increasing quality requirements in the sector of clean room technology on the part of customers as well as from test standards, igus continuously works on the improvement of the products. With the new E6.1 system, users can now refer to a further optimized version of the proven E6 system. Right away it passed the internationally recognized DIN EN ISO 14644-1 standard in clean room technology and rates among ISO Class 1. The low-abrasion connector principle of the E6.1 is ideal for clean room requirements and can be used universally. Compared with E6 it is even easier to handle and to install due to a reduction of weight. igus could also improve the systems in terms of noise reduction.

### Seal of approval also for more energy chains and chainflex cables

The high IPA standard wasn't only certified to the E6-1 system, but also for other energy supply products in clean rooms such as the system E2/000. The standard version of this system received the classification ISO Class 2. The robust two-part system of the fourth generation stands for highest stability with minimum abrasion. Besides that, the band chain system T3 provides good conditions for the use in clean room applications and was classified as ISO Class 2. The innovation of interlocking sidebands guarantees almost full freedom of wear. For this reason T3 is suitable

for high-dynamic applications and can be used in many ways in the clean room technology. Optimal performance offers the combination of energy chains and igus chainflex cables. 95 percent of the 1,030 cables, available from stock, are made of jacket materials with ISO Class 1 or 2 classifications.



**Picture PM2713-01:**

The E6.1 from igus has passed the IPA quality test and has now the DIN EN ISO 14644-1 certification. (Source: igus GmbH)



Parts of this are also the PUR control cables of the series CF77.UL/CF78.UL, the data cable of the CF series 211 and 240 and the bus cables CFBUS.PVC and CFBUS.PUR. By combining clean room certificated energy chains and cables, the customer receives planning reliability and benefits from the compatibility of the components in the clean room. This facilitates and quickens assembly, increases the lifetime and saves costs.

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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 fabrics in its branch to offer customers innovative and tailor-made products and solutions within the shortest time.

The terms "igus, chainflex, readycable, easychain, e-chain, e-chainsystems, energy chain, energy chain system, flizz, readychain, triflex, twisterchain, invis, drylin, iglidur, igubal, xiros, xirodur, plastics for longer life, manus, vector" are legally protected trademarks in the Federal Republic of Germany and, where applicable, in some foreign countries.