

# tyre.

igus® solutions for machines  
in the tyre production



# industry

plastics for longer life® ... igus

... [www.igus.eu/tyreproduction](http://www.igus.eu/tyreproduction)

# Reduce cost ...

# ... improve technology

## igus® plastic solutions for tyre production equipment.

The tyre production industry places top priority on components being free from lubricants and resistant to dust. Maintenance-free and tribologically optimised plastics from igus® fulfill these and many other requirements igus® products whilst totally lubrication-free also exhibit high strength even at high speeds. With more than 100,000 products from stock, igus® offers a huge modular kit in the sectors of energy supply/cable guidance and protection, highly flexible cables, as well as lubrication and maintenance-free plain bearing solutions for all types of movement.

In this brochure we present you many products and existing applications. Our online tools enable you to reduce process costs. igus® delivers from stock in 24-48 hours! Also, see our industry website.

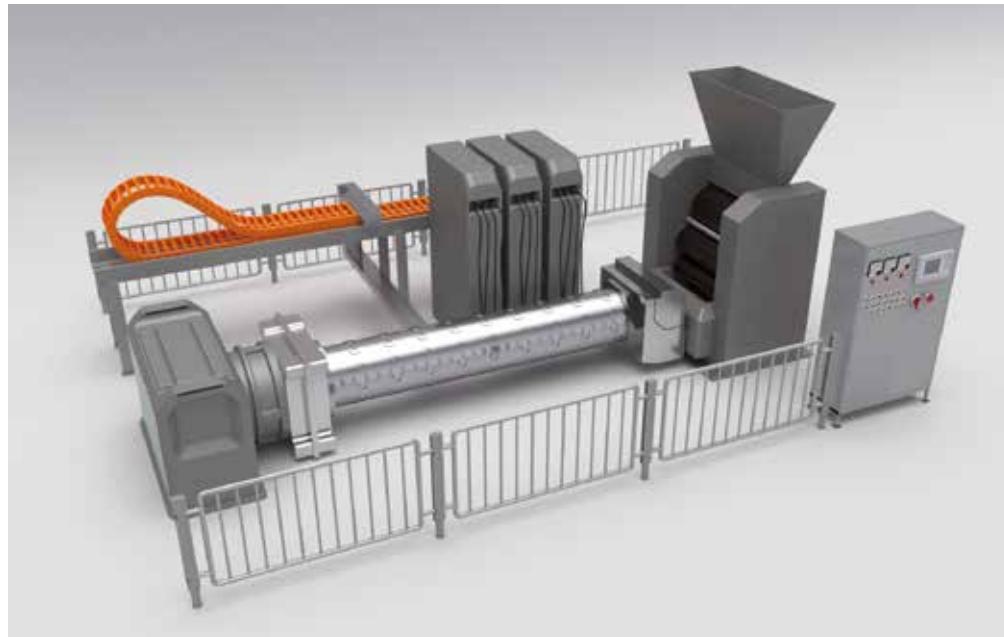
 [www.igus.eu/tyreproduction](http://www.igus.eu/tyreproduction)



... with motion plastics®  
products from igus®

# High loads ...

## Extruder machine



### e-chain® E2/000

Lightning fast installation using thumb – safe seat without additional closing mechanism.

- energy chains® of medium sizes
- Inner heights from 21 to 45 mm
- Snap open on left and right
- Diverse modular interior separation

 [www.igus.eu/E2000](http://www.igus.eu/E2000)

### e-chain® E4.1

Numerous interior separation options, to open on both sides.

- energy chains® of medium sizes
- Inner heights from 21 to 162 mm
- Snap open along inner or outer radius

 [www.igus.eu/E4-1](http://www.igus.eu/E4-1)

### chainflex® CF5/CF6 control cable

- For tight installation spaces
- For heavy-duty use, PVC outer jacket
- Oil resistant, flame retardant

 [www.igus.eu/CF6](http://www.igus.eu/CF6)



# ... small spaces ...

## Coating machine



### e-chain® E2 micro

Smallest inner widths and radii possible.

- energy chains® of medium sizes
- Inner heights from 5 to 15 mm
- Snap open along inner or outer radius
- For tight installation spaces

 [www.igus.eu/E2micro](http://www.igus.eu/E2micro)

### drylin® ZLW toothed belt axis

Fast positioning.

- Drive ends with grooved ball bearings
- Lubrication-free linear guide through polymer plain bearings
- With or without motor drive
- Hard-anodised aluminium profile

 [www.igus.eu/drylinZLW](http://www.igus.eu/drylinZLW)

### iglidur® plain bearings

Maintenance free for each shaft.

- Low coefficients of friction
- Vibration dampening
- High static and impact loads
- Self lubricating and corrosion resistant

 [www.igus.eu/iglidur](http://www.igus.eu/iglidur)

# ... high speeds ...

## Cutting machine



### e-chain® E2/000

Quickly opened from the right or left with a screwdriver or by hand – opening mechanism accessible from above.

- energy chains® of medium sizes
- Inner heights from 21 to 45 mm
- Snap open on left and right

 [www.igus.eu/E2000](http://www.igus.eu/E2000)

### drylin® SLW-linear axes

Precise setting of the cutting device.

- For format adjustments and quick small parts handling
- With or without motor drive
- Extensive accessories

 [www.igus.eu/drylinSLW](http://www.igus.eu/drylinSLW)

### chainflex® CF9

- TPE outer jacket
- Oil-resistant, bio-oil-resistant

 [www.igus.eu/CF9](http://www.igus.eu/CF9)

# ... and acceleration ...

## Tyre building machine



### e-chain® E4.1

Numerous interior separation options, to open on both sides.

- energy chains® of medium sizes
- Inner heights from 21 to 162 mm
- Snap open along inner or outer radius

 [www.igus.eu/E4-1](http://www.igus.eu/E4-1)

### drylin® W profile guide

Lubrication-free guidance of the control instruments.

- Easy installation, maintenance free
- Resistant to dirt due to dry operation
- Low weight and quiet operation
- Square rail with floating bearing function for lateral installation

 [www.igus.eu/drylinW](http://www.igus.eu/drylinW)

### chainflex® CFBUS bus cable TPE

- For tight installation spaces
- For extremely heavy-duty use, overall shield
- Oil resistant, flame retardant

 [www.igus.eu/CFBUS](http://www.igus.eu/CFBUS)



# ... for all kinds of motion ...

## Vulcanization system



### e-chain® E2/000

Excellent mechanical stability design and material provide long service-life.

- energy chains® of medium sizes
- Inner heights from 21 to 45 mm
- Snap open on left and right
- Diverse modular interior separation



### drylin® R shaft guide

Height adjustment with linear bearings.

- Same dimensions as recirculating ball bearings
- For all shaft materials
- Low weight
- Replaceable liners
- Linear adapter made from solid plastic or aluminium

 [www.igus.eu/E2000](http://www.igus.eu/E2000)

 [www.igus.eu/drylinR](http://www.igus.eu/drylinR)

# ... and installations ...

## Uniformity measuring machine



### e-chain® E2/000

Small pitch for silent operation, low weight.

- energy chains® of medium sizes
- Inner heights from 21 to 45 mm
- Snap open on left and right
- Diverse modular interior separations

 [www.igus.eu/E2000](http://www.igus.eu/E2000)



### drylin® SLW-linear axes

Manual and electrically adjustable.

- For format adjustments and quick small parts handling
- With or without motor drive
- Extensive accessories

 [www.igus.eu/drylinSLW](http://www.igus.eu/drylinSLW)



### drylin® T linear guides

Linear system for high static loads.

- Automatic clearance adjustment
- High static load capacity
- Highly resistant to dirt
- Low vibration and quiet

 [www.igus.eu/drylinT](http://www.igus.eu/drylinT)

# ... multi axis ...

## Store robots



### triflex® RSP

RSP – Intelligent retraction system prevent creation of loops on robot head.

- Even larger triflex® R e-chains® can be guided safely up to Ø 125 mm
- Adjustable, variable retraction force with a pressure control valve
- Almost constant force path over the complete travel, even with heavy fillings



### triflex® R

Due to the small pitch, it can be shortened and lengthened individually.

- Multi-axis "3D e-chain®", torsion  $\pm 10^\circ$  per chain link
- Enclosed version, fully enclosed and snap open
- Can be lengthened and shortened as needed

[www.igus.eu/triflexR](http://www.igus.eu/triflexR)

### chainflex® CFROBOT

- Range of e-chains®-suitable torsion cables
- PUR outer jacket, overall Shield
- Resistant to oils and coolants, flame retardant

[www.igus.eu/CFROBOT](http://www.igus.eu/CFROBOT)



# ... long travels

## Gantry crane



### e-chain® E2/000

Smooth, cable-friendly inner surfaces with large accessory kits.

- energy chains® of medium sizes
- Inner heights from 21 to 45 mm
- Snap open on left and right
- Diverse modular interior separation

[www.igus.eu/E2micro](http://www.igus.eu/E2micro)



### e-chain® E4.1

Numerous interior separation options, to open on both sides.

- energy chains® of medium sizes
- Inner heights from 21 to 162 mm
- Snap open along inner or outer radius



### readycable® molded

Linear system for high static loads.

- Servo-, motor- and signal-/encoder cables
- No cutting costs, no minimum order quantities, no surcharges
- Smallest bend radius from 7.5 x d

[www.igus.eu/readycable](http://www.igus.eu/readycable)

# igus® e-chain®

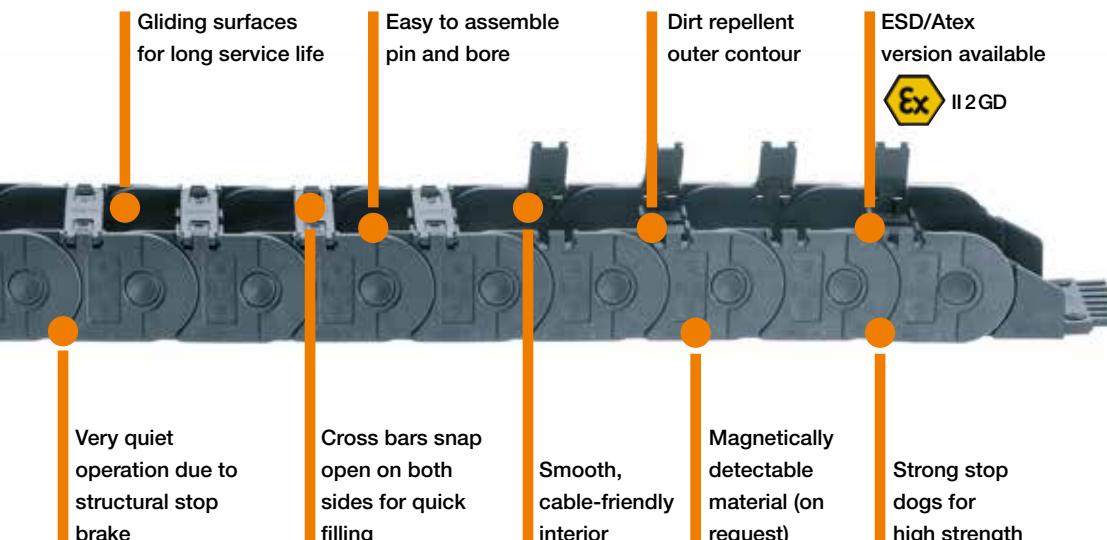
## Solutions from the igus® e-chain® construction kit that make guiding energy easy and more reliable

e-chainsystems® – the "umbilical cord" of modern machines. They reduce downtime and increase the service lives of cables and hoses. Plastic energy chains® have been developed, produced and tested by igus® since 1971. e-chainsystems® carry sensitive bus, data and fiber optic cables, as well as energy forms such as electricity, gas, air and hydraulics.

- For all environments and climates (from -40 °C to +120 °C)
- Easy to clean
- Compact installation
- Also as detectable material or as ESD/ATEX version
- Enclosed or open construction types
- Simple modular assembly on site, as well as quick retrofitting of cables
- Carry sensitive bus, data and fibre optic cables, as well as energy forms such as electricity, gas, air and liquids in one system
- Many types of orientation and application
- For high dynamic loads and tough service life requirements



[www.igus.eu/e-chain](http://www.igus.eu/e-chain)



# chainflex® cables

## Fail-safe cables for energy chains

Flexible cables used in energy chains® need special design and manufacture to last through many cycles, high speeds and accelerations, as well as demanding environmental conditions. Electromagnetic compatibility and compliance with standards and guidelines such as UL, CSA, VDE, Inter- and Profibus are also taken for granted today. The igus® chainflex® product range extends from energy chain compatible control cables, servo cables, motor cables, as well as robot cables to bus cables, data cables, encoder cables and fibre optic cables.

- Temperatures -40 °C to +90 °C
- For highly dynamic applications in energy chains®
- Special design prevents cable failure and "corkscrewing"
- Over 1,040 types off the shelf
- Highly abrasion-resistant jacket materials (PVC, PUR, TPE)



[www.chainflex.eu](http://www.chainflex.eu)



3 years igus® guarantee for every chainflex® cable.  
100% tested at the igus® lab.

Guarantee statements reduce risk plant engineering. With our unique igus® guarantee for ALL chainflex® cables, we are providing predictable security for 36 months or up to 10 million double strokes, for cables from the chainflex® M family up to 5 million double strokes.

Guarantee  
igus chainflex  
**36**  
months  
guaranteed

# Avoid lubrication ...

igus® dry-tech® bearing technology works entirely without lubrication when using iglidur® plastic plain bearings

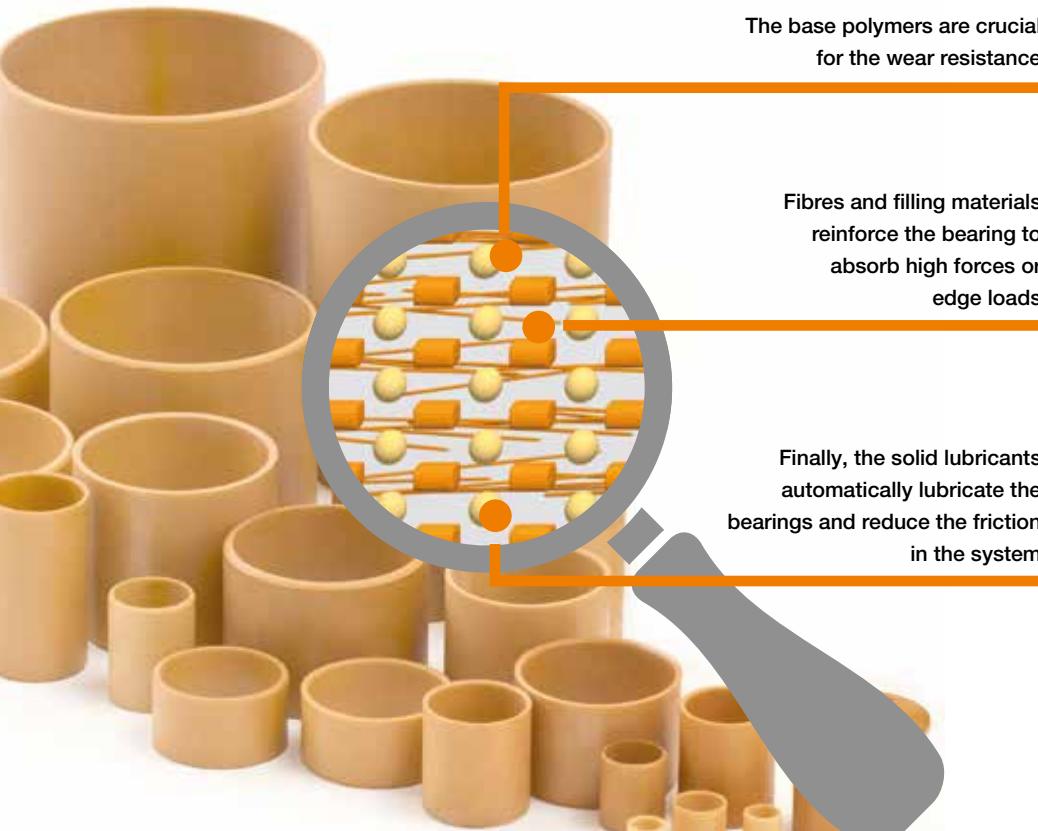
Lubricant and maintenance free plain bearings made from high-performance plastics – iglidur®.

No lubrication or maintenance required, while cutting costs and increasing service life, everything from stock and delivered promptly – that is the central idea of all igus® products. iglidur® plastics have been extensively tested with respect to wear and friction values including other relevant material properties. iglidur® polymer plain bearings from igus® signifies the step from the plastic bearing to the tested and therefore predictable machine component.

- Lubrication-free
- Lightweight
- Maintenance-free
- High static loads
- Corrosion free
- Vibration dampening
- Sea water resistant
- Metric and imperial dimensions
- Special dimension and designs

 [www.igus.eu/iglidur](http://www.igus.eu/iglidur)

Structure of iglidur® plain bearings:



# ... reduce maintenance effort

Eliminating lubrication means: "install and forget"

Lubrication-free linear technology – drylin®

drylin® is a product range of lubrication-free linear plain bearings based on the principle of sliding instead of rolling. Tribologically optimised iglidur® high performance polymers are used as sliding surfaces. drylin® linear systems travel in dry-running mode and are maintenance free. Linear guides on rails or round shafts are available. drylin®-drive technology can supply ready-to-connect systems with lead screw drives or toothed belt drives, with or without motor. The focus is on, besides the freedom from maintenance and lubrication, the ruggedness and resistance to influences such as dirt, water, chemicals, heat or impacts.

- Resistant to dirt due to dry operation
- Resistant to impacts and vibrations
- High static load capacity
- Suited for short-stroke applications
- Low weight
- Vibration dampening
- Sea water resistant
- Quiet operation
- Metric and imperial dimensions
- Special designs according to customer needs

 [www.igus.eu/drylin](http://www.igus.eu/drylin)

Using the example of drylin® W:

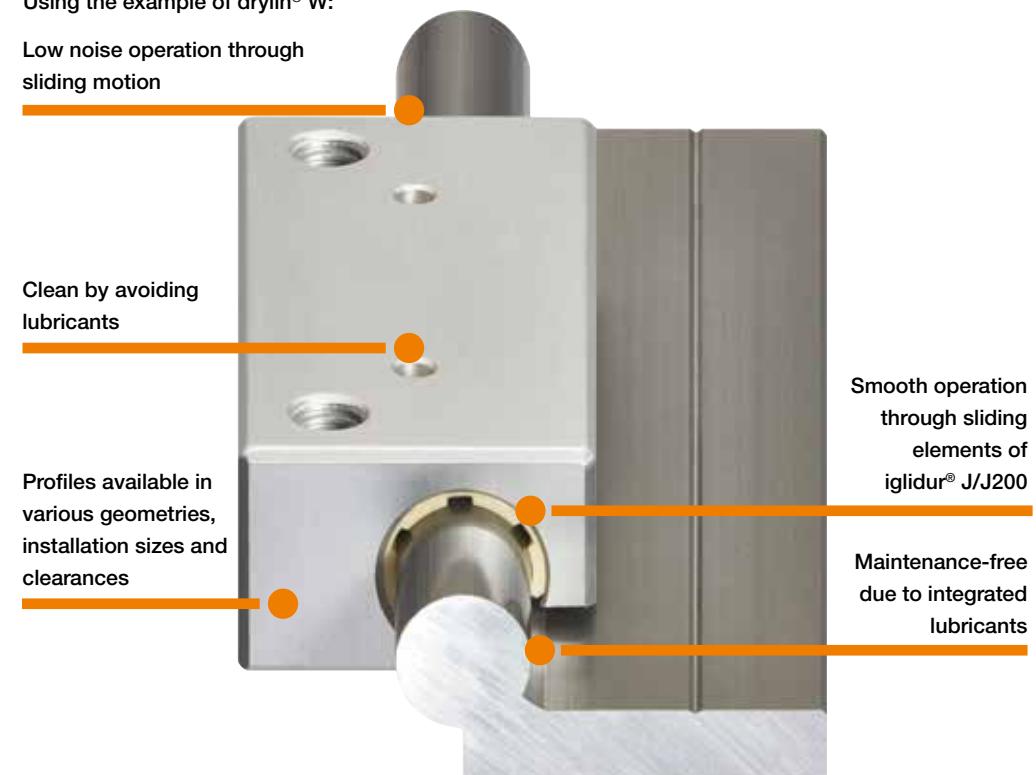
Low noise operation through sliding motion

Clean by avoiding lubricants

Profiles available in various geometries, installation sizes and clearances

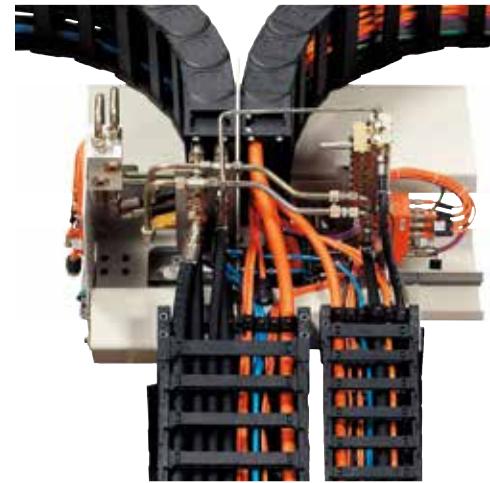
Smooth operation through sliding elements of iglidur® J/J200

Maintenance-free due to integrated lubricants

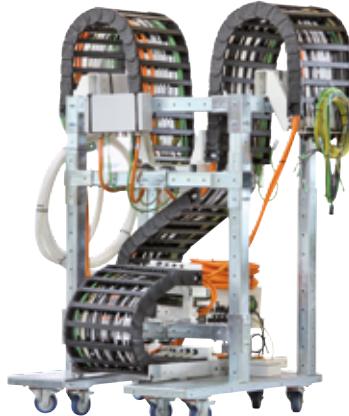


# As assembled system ...

**readychain®:** chain - cable - guarantee ... delivered in 3-10 days



Assembled igus® readychain® systems: individual or serial production



## readychain® assembly rack

80% savings during prototyping. Assembly transport rack for ready-to-install energy supply systems.

↗ [www.readychain.eu](http://www.readychain.eu)

# ... delivered ready to install

**readycable®:** harnessed drive cables ... in 24-48h



## readycable® – in 24-48h or today

igus® provides more than 3,200 harnessed cables for drives according to 22 different manufacturer standards. Professionally produced, 100% tested.

- Servo, power and signal/encoder cables
- No cutting charges, no surcharges for small quantities and packaging

- Cable length accurate to the centimetre as per customer specifications
- Smallest bend radii from 7.5 x d
- Reduce storage costs and increase cashflow

↗ [www.readycable.eu](http://www.readycable.eu)



## Overmoulded cable available for use in energy chains®

- Various sizes: M8, M12, M23, M40, USB 3.0 etc.
- Size M23 + M40 with SpeedTec quick-lock
- Angled versions
- According to UL/CSA standard
- Individual customer logo possible
- ESD material for ATEX-areas
- Tamper-proof
- Tight according to IP66/67 already before the molding process
- 360° shielded
- Space and weight saving

# Tested! Service life ...

9,679 tribological tests of all kinds per year (rotating, pivoting, linear, heated, under water, etc.) for the **dry-tech®** solutions. In addition, 661 customised tests at the igus® lab.



Part of the igus® **dry-tech®** laboratory, Cologne.



Wear tests under the influence of various media.



Service life and wear test of a drylin® linear guide in the "under-water basin".



Endurance test.

# ... predicted accurately.

Tested at the 2,750 m<sup>2</sup> Cologne lab. 4,100 tests, 7,512 findings added to the electronic database, 10 billion e-chains® cycles per year for chains and cables.



Part of the igus® **e-chain®** laboratory, Cologne.



Pivot wear test rig for testing the pivoting wear rate for medium loads.



Service life experiments for e-chains® and chainflex® cables.



Measuring the inner diameter of a press-fitted bearing.



Cold test at -40 °C for chainflex® cables and e-chains®

# igus® services ...

# ... fast and reliable.



Visit our industry web pages for more information, products, application examples and useful online tools.

[www.igus.eu/tyreproduction](http://www.igus.eu/tyreproduction)



Quickly find and configure products and calculate service life – all online.

Using our online product finders, you can find the right igus® product and get a service life prediction.

[www.igus.eu/online](http://www.igus.eu/online)

## For any task – in any batch size

Different industries need different solutions. Whether in mechanical engineering, automotive manufacturing or in the robot industry – igus® offers customised support for specialised applications. igus® has many years of experience and specialised resources in many industries.

[www.igus.eu/industry](http://www.igus.eu/industry)

## The igus® delivery service

More than 97% of components from the catalogue are available from stock.

- Over 100,000 products from stock
- No minimum order value
- No surcharges for small quantities
- No costs for cutting cables
- No packaging costs

[www.igus.eu/24](http://www.igus.eu/24)



## Modern injection moulding technology

The igus® GmbH quality policy is based on the objective of identifying and meeting customer needs, and of always being a professional partner and reliable supplier. igus® has always been committed to producing products of the best possible quality and consistently developing innovative solutions.



## The igus® lab

The industry's largest test lab, covering more than 2,750 m<sup>2</sup> of interior and exterior space, conducts more than two billion test cycles per year on a total of 107 test rigs.

- Extensive test databases
- Customised tests on request

[www.igus.eu/test](http://www.igus.eu/test)



## igus® motion plastics®

One vision has been driving us for 50 years – motion plastics®: moving parts made from plastic that cost less and last longer. Our core technology consists of tribo-polymers – high-performance plastics, which we have optimised for friction and wear. The technology has made us into a world leader for developing and manufacturing energy supply systems and plain bearings.



## igus® worldwide

### igus® offices

**1 Germany**  
**igus® GmbH**  
 Spicher Str. 1a  
 51147 Köln  
 PO. Box 90 61 23  
 Phone +49 21 5127 9649-0  
 Fax +49 2203 9649-222  
 info@igus.de, www.igus.de

**2 Argentina**  
**Boritech SRL**  
 Av. Elcano 4971  
 C1427OH Buenos Aires  
 Phone +5411 4556 1000  
 Fax +5411 5600 1000  
 igus@boritech.com

**3 Australia**  
**Treotham Automation Pty. Ltd.**  
 14 Sydenham Road  
 Brookvale NSW 2100  
 Phone +61 2 9907-1788  
 Fax +61 2 9907-1778  
 info@treotham.com.au

**4 Austria**  
**igus® polymer Innovations GmbH**  
 Ort 55  
 4843 Ampflwang  
 Phone +43 7675 4005-0  
 Fax +43 7675 3203  
 igus-austria@igus.at

**5 Belarus**  
**SOOO Hennlich**  
 Kharkovskaya Str. 90-8  
 Minsk, 220015  
 Phone +375 17 207-1828  
 Fax +375 17 207-3921  
 info@hennlich.by

**6 Belgium/Luxembourg**  
**igus® B.V.A.**  
 Kolonel Begaultlaan 75  
 3012 Wilsele  
 Phone +32 31 314431  
 Fax +32 31 314439  
 info@igus.be

**7 Bosnia + Herzegovina**  
**Hennlich d.o.o.**  
 Dzemala Bijedica 185  
 Avaz Business Centar  
 71000 Sarajevo  
 Phone +387 33 45 14 39  
 Fax +387 33 45 14 39  
 info@hennlich.ba

**8 Brazil**  
**igus® do Brasil Ltda.**  
 Avenida Marginal Norte da  
 via Anhanguera 53,780  
 Vila Mariana - Jundiaí  
 CEP 13206-245 - SP  
 Phone +55 11 3531-4487  
 Fax +55 11 3531-4488  
 vendas@igus.com.br

**9 Bulgaria**  
**igus® EOOD**  
 2, Lui Ayer str., fl.4, off. 4  
 1404 Sofia, Bulgaria  
 Phone +359 2 850 8409  
 Fax +359 2 850 8409  
 info@igus.bg

**9 Bulgaria**  
**Hennlich OOD, BG**  
 4003 Plovdiv, Bulgaria  
 147A, Brezovska shose Str.,  
 Rota center, fl. 3  
 Phone +359 32 511 326  
 Fax +359 32 621 929  
 office@hennlich.bg

### 10 Canada

**igus® Office Canada**  
 201 Millway Ave.  
 UNIT 25  
 Concord  
 Ontario L4K 5K8  
 Phone +1 905 7608448  
 Fax +1 905 7608688  
 webmaster@igus.com

### 11 Chile

**Vendortec**  
 San Martin # 2097  
 Maipú - Santiago  
 Phone +56 2 7105825  
 ventas@vendortec.cl

### 12 China

**igus® Shanghai Co., Ltd.**  
 No.46 Warehouse  
 11 Debao Road, WGQ FTZ,  
 Shanghai 200013,  
 P. R. China  
 Phone +86 21 51303100  
 Fax +86 21 51303200  
 master@igus.com.cn

### 13 Colombia

**Colese Ltda**  
 Parque Industrial Gran  
 Sabana  
 Edificio / Building 32  
 Tocancipá, CUN 251017  
 Phone +57 1-519-0967  
 Iranlo@colese.com.co

### 14 Costa Rica

**Enesa Equipos Neumáticos S.A.**  
 Del Colegio Marista  
 100 este, 200 sur, 25 este  
 Urbanización Circunval  
 Alajuela, Costa Rica  
 Phone +506 2440-2393  
 Fax +506 2440-2393  
 equiposneumaticos@enesa.net

### 15 Croatia

**igus® d.o.o.**  
 Ventilatorska 9  
 10250 Lucko Zagreb  
 Croatia  
 Info@igus.hr

### 16 Czech Republic

**HENNICH s.r.o.**  
 Českápská 9  
 412 01 Litoměřice  
 Tel. e-chains®  
 +420 416 71132

### 17 Denmark

**igus® ApS**  
 Nordre Strandvej 119A  
 DK-3150 Hellebæk  
 Phone +45 86 603373  
 Fax +45 86 603273  
 info@igus.dk

### 18 Ecuador

**Ecuainsetec**  
 El Zurriago E-32 y el Vendador  
 Quito  
 Phone +593 2 2253757  
 Fax +593 2 2461833  
 info@ecuainsetec.com.ec

### 19 Egypt

**Fedicom Trading**  
 Mohamed Fayed Sami & Co.  
 12, El Mahada El Swissi St.,  
 Flat 10 – 2nd Floor-Zamalek  
 Cairo -A.R of Egypt  
 Phone +20 27362537  
 Fax +20 27363196  
 mohamed.fayed@edicom.com

### 20 Estonia

**igus® OÜ**  
 Lõõtsa 4A  
 Tallinn 11415  
 Phone +372 667 5600  
 Fax +372 667 5601  
 info@igus.ee

### 21 Finland

**SKS Mekanikk Oy**  
 Martinkyläntie 1  
 01720 Vantaa  
 Phone +358 20 7646522  
 Fax +358 20 764624  
 mekanikk@skks.fi

### 22 France

**igus® SARL**  
 49, avenue des Pépinières  
 Parc Médicis  
 94260 Fresnes  
 Phone +33 1 49840404  
 Fax +33 1 49840394  
 info@igus.fr

### 23 Greece

**Chrismotor s.a.**  
 71, Pati str.  
 118 55 Athens  
 Phone +30 210 314 25574  
 Fax +30 210 3425595  
 info@chrismotor.gr

### 24 Hong Kong

**Sky Top Enterprises Ltd.**  
 Room 1806 ; Block C; Wah  
 Tat Industrial Center; Wah Sing  
 Street; Kwai Chung Hong Kong  
 Phone +852 23318928  
 Fax +852 24269738  
 info@skytop.com.cn

### 25 Hungary

**igus® Hungária Kft.**  
 Ipari Park u.10.  
 1044 Budapest  
 Phone +36 1 3066486  
 Fax +36 1 4310374  
 info@igus.hu

### 26 India

**igus® (India) Pvt. Ltd.**  
 36/1, Sy No. 17/3  
 Euro School Road,  
 Doddabekki Industrial  
 Area, - 2nd Stage  
 Mahadevapura Post  
 Bangalore 560048  
 Phone +91 80 45127800  
 Fax +91 80 45127802  
 info@igus.in

### 27 Indonesia

**PT igus® Indonesia**  
 Gemini Centre Suite 6040-6050  
 Jalan Kapten Subijanto Dj.  
 BSD City  
 Tangerang 15321  
 Phone +62 21 537 61 83 / 84  
 info@igus.co.id

### 28 Iran

**Tameen Ehtejat Fani  
 Tehran (TAF CO.)**  
 2nd floor, 25 Orabi St  
 Down Town, Cairo  
 Phone +98 25767370  
 Fax +98 25767375  
 kameel@ee-egypt.com

### 29 Ireland

**igus® Ireland**  
 Caswell Rd  
 Northampton NN4 7PW  
 Phone +44 1604 677240  
 Fax +44 1604 677242  
 sales@igus.ie

### 30 Israel

**Conlog LTD**  
 P.O. Box 3265  
 17 Hamefassim Str.  
 Industrial Zone Kiryat Arje  
 Petach-Tikva 49130  
 Phone +972 3 9269595  
 Fax +972 3 9233367  
 conlog@conlog.co.il

### 31 Italy

**igus® S.r.l.**  
 Via delle Eredepine, 4  
 23899 Robbiate (LC)  
 Phone +39 039 5906.1  
 Fax +39 039 5906.222  
 igusitalia@igus.it

### 32 Japan

**igus® k.k.**  
 Arcentral 15F, 1-2 Kinshi,  
 Sumida-ku Tokyo JAPAN

Zip 130-0013  
 Phone +81 358 192030  
 Fax +81 358 192055  
 info@igus.co.jp

### 33 Jordan

**Aiz Metaltech**  
 Abu Alanda Street, Building No. 1  
 Amman  
 Phone +962 64 170100  
 Fax +962 64 169993  
 info.jod@adtech-trading.com

### 34 Latvia

**igus® OÜ**  
 Lõõtsa 4A  
 Tallinn 11415  
 Phone +372 667 5600  
 Fax +372 667 5601  
 info@igus.ee

### 35 Lebanon

**Mecanix Shops**  
 Gebran Safi  
 Charles Helou Avenue  
 Beirut  
 Phone +961 1 486701  
 Fax +961 1 490929  
 mecanix@dm.net.lb

### 36 Lithuania

**Hitech UAB**  
 Terminalo g. 3  
 54469 Biruliskiu k. (Kauno LEZ)  
 Kauno raj.  
 Phone +37 37 323271  
 Fax +37 37 203273  
 info@hitech.lt

### 37 Macedonia, Albania, Kosovo

**Hennlich DOOEL**  
 Boris Kidric 88  
 1200, Tetovo MK  
 Phone +389 44614411  
 Mob. +389 76 200 770  
 dritan.qamili@hennlich.mk

### 38 Malaysia

**igus® Malaysia Sdn Bhd**  
 GSC-19-1, Jalan PJU 1/3F  
 Sunway Mas Commercial  
 Centre  
 47301 Petaling Jaya  
 Selangor D.E.  
 Phone +603 7880 5475  
 Fax +603 7880 5479  
 info@igus.my

### 39 Morocco

**AFIT**  
 6, Rue Amir Abdalkader  
 20300 Casablanca  
 Phone +212 522 633769  
 Fax +212 522 618351  
 souria.vu@premium.net.ma

### 40 Mexico

**igus® México S. de R.L. de C.V.**  
 Boulevard Aeropuerto Miguel  
 Aleman 160 Int. 135  
 Col. Corredor Industrial Tolosa Lema  
 Lema, Estado de México C.P. 52004  
 Phone +52 728284 3185  
 Fax +52 728284 3187  
 fmarquez@igus.com

### 41 Myanmar

**Sea Lion Co. Ltd.**  
 181 Bo Myat Tun Street  
 Botahtaung Yangon  
 11161 Myanmar  
 Phone +95 (0) 19 97 97  
 Fax +95 (0) 10 27 51  
 zaw.m.than@sealionmyanmar.com

### 42 Netherlands - Plain bearing

**Eicee Holland BV**  
 Kamerlingh Onnesweg 28  
 NL-3316 GL Dordrecht  
 Phone +31 78 6544777  
 Fax +31 78 6544733  
 info@eicee.nl

### 43 New Zealand

**Automation Equipment Ltd.**  
 26 Tawn Place  
 PO Box 5656  
 Hamilton  
 Phone +64 7 8490281  
 Fax +64 7 8494242  
 sales@autoequip.co.nz

### 44 Norway

**ASI Automatikk AS**  
 Ingv. Ludvigsensgata 23  
 3007 Drammen  
 Phone +47 9006 1100  
 info@asiif.no

### 45 Peru

**Profaco S.A.C.**  
 Calle Bolívar 388/of. 203  
 Miraflores  
 Lima 18 – Perú  
 Phone +51 2414370  
 Fax +51 2428608  
 ventas@profaco.com

### 46 Philippines

**Silicon Exponents Corp.**  
 Suite 6A, 8414 Dr. A. Santos  
 Ave., Sucat,  
 1700 Parañaque City,  
 Metro Manila  
 Phone +63 2 8250126  
 Fax +63 2 8250141  
 info\_philippines@igus.com.sg

### 47 Poland

**igus® Sp. z o.o.**  
 ul. Działkowa 121C  
 02-234 Warsaw  
 Phone +48 22 8635770  
 Mob. +48 91 80 45127800  
 Fax +48 22 8636169  
 info@igus.pl

### 48 Portugal

**igus® Lda.**  
 R. Eng. Ezequiel  
 Campos 239  
 4100-231 Porto  
 Phone +351 22 6109000  
 Fax +351 22 8328321  
 info@igus.pt

### 49 Romania

**TechCon Industry SRL**  
 Calea Crangasi nr. 60  
 060346 Bucuresti  
 Phone +40 21 2219-640  
 Fax +40 21 2219-766  
 automatizar@meteor.ro

### 50 Russia

**OOO igus®**  
 40/22, Nikiyomovaya st.,  
 bldg. 4, ofice 509-510  
 Moscow, 109004  
 info@igus.ru

### 51 Saudi Arabia

**AFI**  
 Khalaf Bin Hesham Street  
 Box 9998  
 31423 Dammam  
 Phone +966 38740033  
 Fax +966 38470077  
 marketing@afi.sa

### 52 Serbia + Montenegro

**Hennlich d.o.o Beograd**  
 Radomlja Markovića 1/3  
 11222 Beograd / Srbija  
 Phone +381 11 63 098 17  
 Fax +381 11 63 098 20  
 info@hennlich.rs

### 53 Singapore- ASEAN HQ

**igus® Singapore Pte Ltd**  
 15 Shaw Road, #03-02  
 Singapore 367953  
 Phone +65 6487-1411  
 Fax +65 6487-1511  
 info@igus.com.sg

### 54 Slovakia

**igus® Slovakia s.r.o.**  
 C/ Llobatona, 6  
 Polígono Noi del Sucr  
 08840 Viladecans – BCN  
 Phone +34 936 473950  
 Fax +34 936 473951  
 igus.es@igus.es

### 55 Slovenia

**Hennlich s.r.o.**  
 Račianska 188  
 SK-831 53 Bratislava  
 Phone +421 2 50202504  
 Fax +421 2 50202505  
 +421 2 50202520  
 info@hennlich.sk

### 56 South Africa

**ETTA Systems**  
 Al-Hamra St. Shalan Building  
 12850 Damascus  
 Phone +963 311 332 5519  
 Fax +963 311 334 2639  
 automation@unigroup.ae

### 57 South Korea

**igus® Korea Co. Ltd.**  
 613-14 Namchondong,  
 Namdonggu  
 Incheon City, 405-846  
 Phone +82 32 82129-11  
 Fax +82 32 82129-13  
 info@igus.kr

### 58 Spain

**igus® S.L.**  
 C/ Llobatona, 6  
 Polígono Noi del Sucr  
 08840 Viladecans – BCN  
 Phone +65 6487-1411  
 Fax +65 6487-1511  
 info@igus.co.th

### 59 Sweden

**igus® ab**  
 Krut Päls väg 8  
 256 69 Helsingborg  
 Slovakia  
 Mob. +421 949 459 409  
 info@igus.se

### 60 Switzerland

**igus® Schweiz GmbH**  
 Winkelstr. 5  
 4622 Eggerkingen  
 Phone +41 62 388979  
 Fax +41 62 3889799  
 info@igus.ch

### 61 Syria

**ETTA Systems**  
 Al-Hamra St. Shalan Building  
 12850 Damascus  
 Phone +963 311 332 5519  
 Fax +963 311 334 2639  
 automation@unigroup.ae

### 62 Taiwan

**igus® Taiwan Company Ltd.**  
 5F, No. 35, 24th Road  
 Taichung Industrial Park  
 Taichung 40850  
 Phone +886 4 2358-1000  
 Fax +886 4 2358-1100  
 info@igus.tw

### 63 Thailand

**Power & Technology Trading  
 Co., L.L.C.**  
 Salehi Building, Shop No. 1  
 First Industrial St.  
 Industrial Area 2,  
 P.O. Box 33372 SHJ  
 Sharjah - UAE  
 Phone +971 6 5421300  
 Fax +971 6 5421300  
 sales@powertechnic.ae

### 64 United Kingdom

**igus® Thailand Co., Ltd**  
 10 Floor, Unit C1  
 Thanaporn Tower  
 1550 New Petchaburi Road  
 Makkasan Ratchaw  
 Bangkok 10400 Thailand  
 Phone +66 (0) 62 652 7325  
 Fax +66 (0) 62 652 7326  
 sales@igus.co.uk

### 65 Ukraine

**Hennlich Ukraine LLC (HQ)**  
 Kramatorskaya Street 15  
 84100 Sloviansk City,  
 Donetsk Region  
 Phone +38 06262 33540  
 hennlich@hennlich.com.ua

### 66 United Arab Emirates

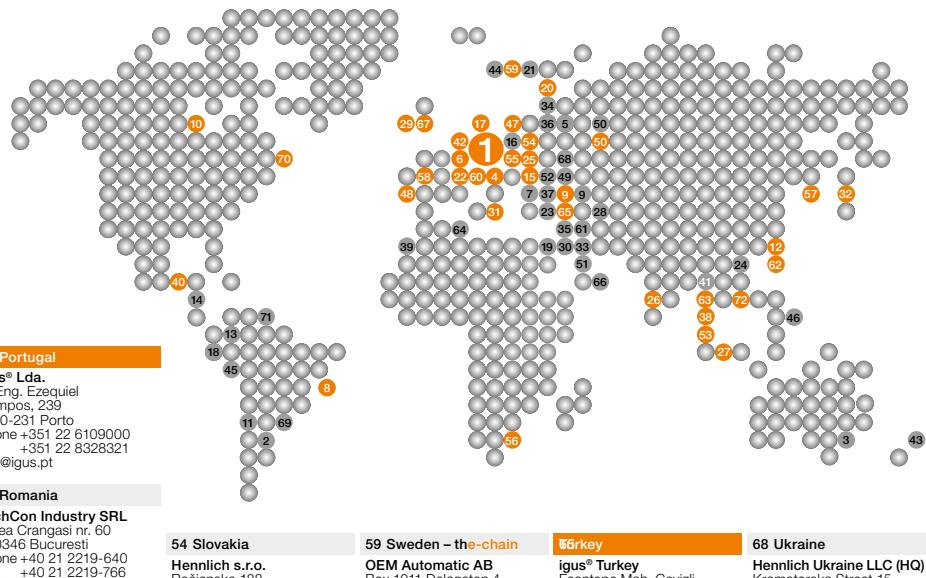
**Unigroup (FZE)**  
 1st floor Rasana  
 Building M602  
 Sharjah Intern., Airport Freezone  
 P.O. Box 120300  
 Sharjah - UAE  
 Phone +971 6 5578386  
 Fax +971 6 5578387  
 automation@unigroup.ae

### 67 Venezuela

**Neumatica Rotonda C.A.**  
 Prolong Av. Michelena  
 C.C. Atlas Locales B-10 y  
 B-11  
 Valencia, Edo. Carabobo  
 Phone +598 241 832,64,64  
 +598 241 832,32,50  
 +598 241 838,88,19  
 Fax +598 241 832,62,83  
 webmaster@neumatica.com

### 68 Vietnam

**igus® Singapore Pte Ltd**  
 The Representative Office in HCMC  
 Centec Tower  
 Unit 02B, 4th Floor  
 72-74 Nguyen Thi Minh Khai  
 Street, District 3,  
 Ho Chi Minh City, Vietnam  
 Phone +84 8 6299 9197  
 Fax +84 8 6299 9196  
 info@igus.vn



# /9001:2008 /16949:2009

igus® is certified in accordance with ISO 9001:2008 and ISO/TS 16949:2009 in the field of energy supply systems, cables and harnessing, as well as plastic bearings.

## /newsletter

Free of charge! Discover more about the latest trends and innovations from the world of igus® motion plastics®. Many exciting applications and videos for your industry.

Register here: [www.igus.eu/newsletter](http://www.igus.eu/newsletter)

## /contact

Your contact person for your industry and your country: [www.igus.eu/contact](http://www.igus.eu/contact)

# igus®

igus® GmbH  
Spicher Str. 1a  
51147 Cologne Germany  
Phone +49 2203 9649-145  
Fax +49 2203 9649-334  
[info@igus.de](mailto:info@igus.de)  
[www.igus.eu](http://www.igus.eu)

© 2016 igus® GmbH

Published by igus® GmbH, Germany  
MAT0073490.20 Issue 01/2016  
Subject to technical alterations

