

iwis
antriebssysteme
wir bewegen die welt

Product range



Precision chain systems
for drive and conveyor purposes

www.iwis.com

Welcome **iwis**

© Copyright iwis antriebssysteme GmbH & Co. KG, Munich, Germany 2018

The contents of this catalogue are the copyright of the publisher and may not be reproduced (even extracts) unless permission is granted. Every care has been taken to ensure the accuracy of the information contained in this catalogue but no liability can be accepted for any errors or omissions.

Printed: SD EN 02/2018, 2,000

to antriebssysteme!

The direct route
to your order!

You can reach our Customer
Service Team on weekdays from
8 am to 6 pm non-stop.

+49 89 76909-1600

Or send your order by fax.

+49 89 76909-1198

Our Customer Service Team
will attend to your enquiries
and orders immediately.

**sales-muenchen
@iwis.com**

For further information regarding
our products please visit also
our company website:

www.iwis.com

iwis

Joh. Winklhofer Beteiligungs GmbH & Co. KG

Company Headquarters, Parent of the independent subsidiary companies,
Management Organisation of the Internationally operating companies

iwis motorsysteme GmbH & Co. KG

Subsidiary for the automotive sector, for example chain drives and mass balance drives as well as oil pump drives and gear box chains



Munich (DE)
Landsberg (DE)
Indianapolis (US)
Murray (US)
PingHu (CN)
Pune (IN)
São Paulo (BR)
Seoul (KR)
Shanghai (CN)
Tokio (JP)

iwis antriebssysteme GmbH & Co. KG

Subsidiary for the industrial sector, high precision chains and drive systems for a wide range of applications



Munich (DE)
Indianapolis (US)
Istanbul (TR)
Johannesburg (ZA)
Lajeado (BR)
Meyzieu (FR)
Othmarsingen (CH)
Pune (IN)
Strakonice (CZ)
Surrey (CA)
Suzhou (CN)
Tipton (UK)

iwis antriebssysteme GmbH

A distribution and service company within the chain drive industry



ecoplus®

Wilnsdorf (DE)
Indianapolis (US)
Istanbul (TR)
Johannesburg (ZA)
Lajeado (BR)
Meyzieu (FR)
Othmarsingen (CH)
Surrey (CA)
Suzhou (CN)
Tipton (UK)

iwis agrisystems (Div.)

Competence centre for the iwis agricultural chain program for combines and maize harvesting



Sontra (DE)
Indianapolis (US)
Istanbul (TR)
Johannesburg (ZA)
Lajeado (BR)
Meyzieu (FR)
Othmarsingen (CH)
Suzhou (CN)
Surrey (CA)
Tipton (UK)

The journey of those striding ahead

A company which has developed over **100 years** has a story. The entrepreneurial family Winklhofer has been managing the fate of the company iwis since decades and has developed it into a group of companies which committed itself to tradition, precision and innovation. This group of companies produces high precision roller chains and systems for the automotive industry, the machine and plant manufacture, the packaging, printing and food industries, the agriculture and for industrial applications in the field of conveyor technology. More than 1300 employees at the production sites of Munich, Landsberg am Lech, Wilnsdorf, Sontra and Strakonice (CZ) have committed themselves to a quality standard on the highest level.

Our consequent customer orientation in all areas lead to a close cooperation with our customers and suppliers as well as to joint technical developments – as our goal is to always offer our customers a solution at the highest quality and sustainability level. Research and development play a major role in our company's philosophy: The detection of new trends and the development of new materials and production technologies require an innovative power and motivation of which we are proud of and which explain our top position in the market. Thus iwis antriebssysteme GmbH & Co. KG is a worldwide driving force in the general machine manufacture and delivers precision chain systems which move all around the world.



**A brand which stands
for highest precision.**



Technical perfection of highest quality for a maximum customer benefit – that is our high standard. 100% exact replication of more than 30 million spare parts every single day – a quality benchmark which a single expression stands for at iwis: Highest precision. We are proud of that fact and numerous certifications and awards in the quality sector shows us that we follow the right path!





Precision for your success



Technical perfection

- Use of high quality quenched, tempered and case-hardened steels
- High precision fabrication via SPC (statistical process control)
- Quality assurance complying with ISO 9001
- Optimisation of quality features via special heat treatment
- Constant monitoring of the chains for dimensional accuracy and articulation
- Surface coatings
- Special lubricants
- Special materials (e.g corrosion-proof)

Highest possible quality

- Above average length of life
- Excellent wear resistance
- Restricted length tolerances down to 1/6 of the DIN tolerance
- Significantly higher fracture-resistance than the norm
- High fatigue strength
- iwis roller chains are pretensioned
- Extremely efficient initial lubrication

Benefits to the user

- Longer maintenance intervals
- Maintenance-friendly, easy and quick to dismantle
- Fewer down times
- Benefits of parallel and synchronous running
- Extremely precise positioning
- Extremely quiet running
- Safety reserves at load peaks
- Reduced stretching during running-in

Application fields

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> • Printing presses • Paper manufacturing and processing machines • Copiers • Ceramics and glass industry • Packaging machines • Medical technology | <ul style="list-style-type: none"> • Textile machines • Machine tools • Machines for processing plastics • General engineering and systems construction • Woodworking machinery • Agricultural machinery | <ul style="list-style-type: none"> • Office equipment • Building materials industry • Construction machinery • Conveyor technology • Chemical engineering and process technology • Tube and can industry |
|---|--|--|

Your perfect engineering partner



A scientific based company

iwis has the largest chain Research and Development department in Europe, having more than 60 development engineers solely engaged for the engineering of chain drive systems. Besides basic development and designing innovative customer solutions, the main focus of iwis Research and Development division ranges from calculations, design and testing to wear elongation and fatigue strength analysis.

- Special knowledge of noise emission analysis and vibration engineering
- Our laboratory has the capabilities to carry out many different testing possibilities including microscopy, metallography, evaluation of mechanical properties, chemical composition and qualified analysis of data
- Dynamic simulation/analysis of chain drive systems with regard to chain load, torsional vibrations and friction losses
- FEM analysis of individual chain drive parts – static and dynamic stress and strength investigations
- Evaluation of iwis and customer readings at test facilities for verification of simulation models
- Identification of thermal characteristics of chain drives while testing in the climate-testing laboratory.



Evaluation of chain breaking strength and elongation up to 1000 kN



More than 25 pulser are available for testing dynamic fatigue strength according to different testing methods



Testing of chain wear elongation behaviour on more than 20 test rigs



Troubleshooting

Each customer problem is a challenge for us. Either you need a special conveyor chain or perhaps an own chain configuration, integrating chain wheels and guides in existing modules – as a system manufacturer our specialists offer you individual solutions, which go far beyond the chain focus on the entire application and answer your problem as a whole.

Our research and development department stands for creativity and innovation, as well as for a cooperation hand in hand with our customers. Do not hesitate to contact us in case you have a special problem.

Extreme flexibility

Offering solutions for individual customer problems as well, is our speciality and part of our company's philosophy. By conducting feasibility studies hand in hand with our customers, producing components and executing deformation and stress tests we are able to adjust existing products to individual customer requirements or to develop new chain drives. By means of vibration and stress tests of the components the physical properties of the chain are examined. We try the prototypes on test stands which expose the chain drives to extreme conditions and pressure to ensure its durability and life time. Our customers can and have to be sure that they receive a high quality product – that is our requirement.

iwis – your strong partner

The iwis group goes global. By supporting own affiliated companies in Great Britain and Switzerland as well as sites in Brazil, China, France and the USA the iwis group operates internationally. iwis products are being sold by distribution partners in more than 30 countries on all continents.

outside Germany as well

iwis has realised the chances of the globalisation at an early stage and has established a distribution structure by a targeted positioning which guarantees a worldwide supply. Thus we do not only open up new markets but our customers can appeal to a familiar and reliable local partner with regard to their business activities abroad.

You are important to us and therefore we are happy to support you in word and deed. Let our competent specialists of our technical service team and our committed external force advise you. We would like to do calculations and chain designs for you and give you advice as far as your choice of the right chain for your applications is concerned. You can reach our Customer Service Team at any time on weekdays from 8 am to 6 pm. And by the way: We are happy to service you during the operating time of the chain as a reliable partner in all matters that arise right around the iwis chain.

Our service for our customers

