

iwis

wir bewegen die welt



iwis Solutions for Meat Processing and Cutting Plants



Powerful from A to Z

iwis offers reliable, robust, and hygienically sound chain solutions for all areas of meat processing and cutting – from slaughtering to packaging. Our products are specifically designed for use in demanding environments and stand out for their strength, durability, and easy cleaning. For critical factors such as hygiene regulations, different temperature ranges, high accuracy, or corrosion resistance, we offer tailored and precise solutions.

Our product range includes drive and conveyor chains for the entire process. Whether for overhead conveyor transport of pigs, cattle or poultry, the use in cutting processes, wet areas, packaging, container cleaning, or logistics – iwis products ensure stable processes, high availability, and efficient workflows in your operation. Thanks to modular design, individual customization, and low-maintenance technology, they are the ideal solution for modern meat processing operations.

Creative sales engineers and competent project managers find smart solutions to meet your complex challenges.

Your Challenge

- **Highest hygiene standards:** Our chain solutions are easy to clean, resistant to cleaning agents, and meet the requirements of food processing.
- **Maximum equipment availability:** Durable materials and precise manufacturing reduce downtime and ensure reliable production.
- **Flexibility in use:** Whether for overhead transport, disassembly, or packaging – our chain solutions can be modularly adapted to different applications.
- **Ergonomic handling:** Our systems support safe and intuitive operation and are designed for daily use under demanding conditions.
- **Sustainability and efficiency:** Innovative, food-certified lubrication solutions, durable materials, and reduced maintenance requirements contribute to resource-efficient production.

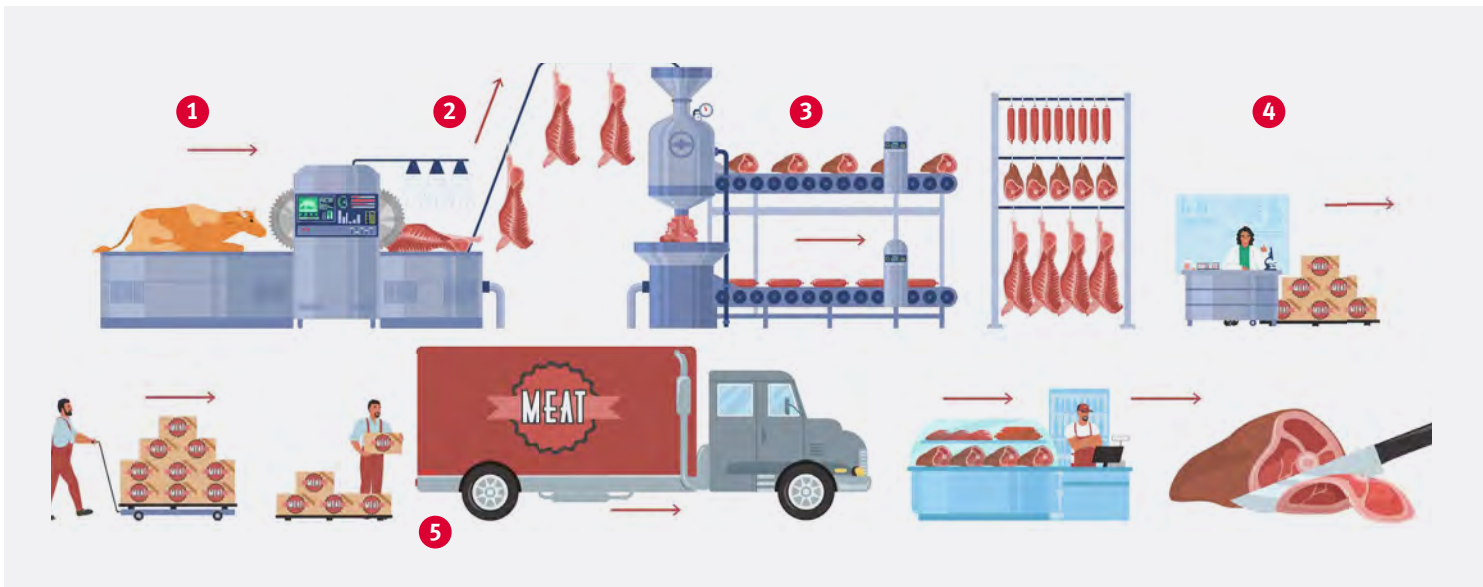
Our Solution

iwis sees itself as a development partner and supports you as a technology leader in mastering your challenges. Our state-of-the-art, proprietary simulation and design tools help our development engineers select the right products for you in advance. Get in touch!

Your Industry Experts

Igor Ceresenco
International Account Manager
igor.ceresenco@iwis.com | +49 89 76909 1407

Bernd Thunecke
Product Manager
bernd.thunecke@iwis.com | +49 89 76909 1407



The Right Chain for Every Step of the Process

1	2	3	4
Primary Processing	Secondary Processing	Further Processing	Packaging
Bush conveyor chains	Bush conveyor chains	Bush conveyor chains	Grip chains
C600 cast steel chains	Modular plastic chains	b.triton low-maintenance roller chains	Hollow pin chains
Sprockets	Sprockets	CF stainless steel chains	CF stainless steel chains
Chain tensioners	Chain tensioners	Modular plastic chains	Modular plastic chains
Maintenance tools	Maintenance tools	CC600 case transport chains	Sprockets
		Multiflex chains for case transport and washer systems	Chain tensioners
		Sprockets	Maintenance tools
		Chain tensioners	CCM-S Chain Condition Monitoring
		Maintenance tools	
		CCM-S Chain Condition Monitoring	
5	6		
Intralogistics	Water Treatment		
Roller chains	CF stainless steel chains		
Modular plastic chains	Flat top chains		
CC600 case transport chains	Bushed conveyor chains		
Multiflex chains for case transport and washer systems			
Chain tensioners	Sprockets		
Maintenance tools	Chain tensioners		
CCM-S Chain Condition Monitoring	Maintenance tools		



Overhead Conveyor Chains

In areas such as tunnel ovens or for use in high-efficiency intensive smoke systems, conveyor and drive chains must withstand extreme conditions: high temperatures and typical oven contaminants such as baked-on residues require particularly robust solutions. iwis overhead conveyor chains are specially designed for such demanding applications. Thanks to specific materials and/or surface coatings, our chains can be precisely adapted to your equipment. Every iwis overhead conveyor chain can be custom-manufactured according to customer specifications – for maximum flexibility and performance on your production line

Highlights

- Optimized wear resistance
- Extended corrosion protection
- Surfaces compliant with FDA guidelines
- Chromium (VI)-free
- Special attachments manufactured and assembled to customer specifications
- Temperature range: $-80\text{ }^{\circ}\text{C}$ to $+150\text{ }^{\circ}\text{C}$
- Special lubricants available for high temperatures (up to $400\text{ }^{\circ}\text{C}$), low temperatures, and food-safe applications (H1)



Bush Conveyor Chains

Bush conveyor chains are key components in the meat processing industry. They enable hygienic and efficient transport of carcasses and meat parts through various processing stages – from slaughtering and cutting to chilling. These systems help reduce manual labor, ensure product quality, and improve operational efficiency. They are ideal for long distances at low speeds and are specifically designed for the demanding conditions of meat processing. They offer a combination of strength, durability, and easy cleaning to meet the highest hygiene standards.

Highlights

- Conveyor chain solutions with customized attachments
- Versatile conveyor design for various applications
- Optimized wear resistance
- Meets stringent hygiene requirements
- Environmentally friendly performance

For more information, please refer to the ELITE product catalog or visit www.iwis.com



For more information, please refer to the ELITE product catalog or visit www.iwis.com





b.triton Roller Chains

b.triton chains are the ideal solution when the strength of stainless steel is no longer sufficient and traditional coatings no longer provide corrosion resistance when exposed to harsh operating environments and ambient conditions. High-performance zinc flake technology combined with a unique surface treatment give JWIS b.triton chains greater corrosion resistance than any other coated chain. This makes them particularly durable, and consequently environmentally friendly.

Highlights

- Best corrosion protection: Up to 1,000 hours of salt spray testing as per ISO 9227
- Wear resistant thanks to specially coated chain link
- Carefully selected high-quality carbon steel offers outstanding strength
- Suitable for temperatures from -10 °C to +130 °C thanks to new initial lubricant iwiDUR-G
- Extended operating range up to 150 °C with high-temperature lubricant
- Extruded bushes and rollers for even better corrosion resistance, reduced initial elongation and quieter running
- Environmentally-friendly: Materials comply with RoHS and are free from hexavalent chromium (CrVI)

Applications

Any environments involving water or water vapour applications or in which strict cleaning regulations apply, in conjunction with stringent demands on the strength of the roller chains used.

Case Transport and Multiflex Chains

The C600 cast steel chain reliably handles the toughest tensile loads and transports the heaviest loads. Its simple and robust cast steel construction makes it a high-performance and cost-effective partner – even in harsh environments and across long conveying distances.

Plastic case transport and Multiflex chains ensure smooth transportation of your plastic containers. If required, they can be equipped with any type of carrier attachments.

Highlights

- Use of cast steel increases measured breaking strength by approximately 25% compared to gray cast iron chains
- Optional ZAP version available for corrosion protection
- Chain can be easily closed and opened using threaded pins in the connecting link
- Plastic chains are available in various materials, enabling use in all areas of case transport

Typical Applications

- Pallet conveyor systems
- Transport of mesh box pallets
- Case transport

For more information, please refer to our product flyer or visit www.iwis.com

For more information, please refer to our product flyer or visit www.iwis.com



Hollow Pin Chains HB50.8

Dripping oil and/or zinc abrasion lead to significant contamination of machinery and thus to problems in meeting the requirements of hygiene regulations in respect of the meat processing technology. With the development of the HB50.8 hollow pin chain, iwis has introduced a program that ensures a high level of resistance against abrasion and wear. HB50.8 hollow pin chains are available in standard steel, stainless steel and zinc-plated steel, and with steel or plastic rollers.

The improved abrasion resistance of the HB50.8 ZPKDD version is achieved primarily as a result of its optimized plastic sliding bearing. In addition, thrust washers mounted between the inner and outer plates prevent unwanted zinc abrasion.

Highlights

- Many versions available from stock
- Versions with seamless bushes and hollow pins
- Available in steel, zinc-plated steel and stainless steel
- On request, pair-matched chains can be supplied to guarantee optimum parallel running
- Plastic rollers made of wear-resistant POM
- Blue-coloured plastic rollers available on request
- Chains with wax lubricant available on request

CF Stainless Steel Chains

Corrosion-free CF stainless steel chains from iwis are extremely reliable, and offer good fatigue and corrosion resistance. They are therefore ideal for applications in the food and beverage industry. Restricted length tolerances for precise positioning and a range of different lubricants represent key advantages to address the challenges faced by drive chains in the meat processing industry.

Highlights

- Precisely punched link plates and supreme surface quality ensure stability and an extended service life
- Extremely shock-resistant rollers for use in demanding applications
- Seamless bushes from iwis reduce initial wear elongation and guarantee a significantly higher positioning precision than conventional stainless steel roller chains in operation
- Various special lubricants available e.g. for high temperatures (up to +400 °C), low temperatures or food-grade lubricant with NSF H1 approval
- Temperature range: -100 ° to +400 °C with special lubricant. The use of chains in extreme temperature ranges has to be taken into account when designing a chain system. Just have a word with us!

Another Benefit

In the standardized salt spray test, our CF stainless steel chains achieve higher corrosion resistance in comparison with other corrosion-free chains available on the market.

For more information, please refer to our product flyer or visit www.iwis.com



For more information, please refer to our product flyer or visit www.iwis.com





b.dry Roller Chains

b.dry roller chains are made from rustproof, maintenance-free CF stainless steel with an optimized articulated link that represents a masterpiece of high precision. The secret of the b.dry range is to consign the old notions of „steel on steel“ to the past!

The fact that no lubricants are needed is thanks to our b.dry bushes, which are made from a special, high-performance polymer. The capabilities of this material are absolutely unparalleled.

Chain design

- **High-performance polymer bush** ① from FDA-compliant material
- Thin-walled, seamless, **stainless steel bush** ②, ball-drilled
- Basic chain: **JWIS CF stainless steel chain** ③



Highlights

- Optimized wear behaviour
- Very good tensile and fatigue strength
- Corrosion-free and durable thanks to high-quality materials
- Reduced downtimes and maintenance costs for machines and systems
- Reduced risk of product contamination and soiling during production



Grip Chains

iwis grip chains have wear and corrosion-resistant clamping elements that ensure the secure feeding, conveying and positioning of large-format thin materials such as plastic films. Differing levels of spring force allow a wide range of materials to be gripped gently and held securely. With iwis's grip chains, the clamp fits precisely into the groove to deliver an improved retaining force. The increased free space in the insertion area permits better feeding of film. Film is not stretched or deformed over the clamp and noise emissions are reduced. The iwis grip chains feature nub plates to ensure operational reliability and high levels of hygiene. iwis offers a total of 6 different grip chain versions.

Highlights

- Excellent wear resistance and minimal initial elongation due to optimum pre-stretching
- Extremely high chain rigidity allows the chains to be used even in long machines
- Basic chains are chemically nickel-plated / maintenance-free MEGAlife versions available on request
- identical chain lengths (within the selected tolerance range) ensure excellent running characteristics in both synchronous and parallel operation
- Differing levels of spring force allow a wide range of materials to be gripped gently and held securely
- Chains with restricted length tolerances can be manufactured
- For applications in the food processing industry, all chains can be supplied with a food-grade initial lubricant

For more information, please refer to our product flyer or visit www.iwis.com

For more information, please refer to our JWIS Precision Chains Catalog or visit www.iwis.com



Flat Top Chains

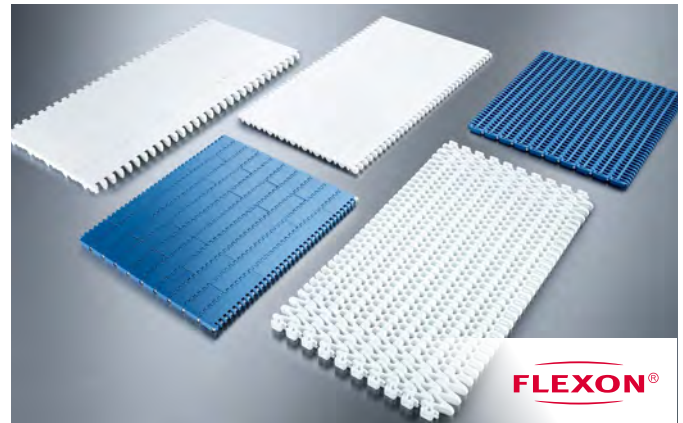
iwis flat top chains are available as straight running or sideflexing versions, in a variety of materials, link designs and plate thicknesses. Whether they are made from steel, stainless steel or plastic, flat top chains possess very special characteristics such as high wear resistance and high-quality workmanship.

Highlights

- All FLEXON flat top chains are subject to the high quality inspection standards and continuous testing required by ISO 9001.
- iwis flat top chains are produced from high quality materials sourced from reputable suppliers.
- Almost all steel versions of the flat top chains are supplied with hardened pins, which reduces wear and increases the service life of the chain.
- We are constantly expanding, optimising and developing the FLEXON product range.
- In addition, our Engineering Team will be glad to develop and implement custom flattop
- chain solutions. This covers everything from configuring systems for specific chains to
- chain modification (e.g. attachments and special materials).

Typical Applications

- Especially in water treatment areas



Modular Plastic Chains

iwis modular plastic chains are available in both straight-running and side-flexing versions, in various chain thicknesses, pitches, surfaces, and materials. The materials are selected and adapted specifically to meet the individual requirements of the application.

Highlights

- All FLEXON modular plastic chains are subject to continuous quality control and monitoring in accordance with the high standards of ISO 9001.
- FLEXON chains are manufactured using premium materials from well-known suppliers.
- Various pin materials allow chains to be optimally equipped for wear resistance, chemical exposure, and other environmental factors.
- The FLEXON product range is constantly being expanded, optimized, and further developed.
- Our engineering team also offers custom development and implementation of special modular chain solutions – including plant-specific system design, chain modifications (e.g., attachments or special materials), and more.

Typical Applications

- Secondary processing
- Further processing
- Packaging sector
- Intralogistics

For more information, please refer to our product flyer or visit www.iwis.com



For more information, please refer to our product flyer or visit www.iwis.com





CR corrosion-resistant Chain

CR chains consist of hardened highly alloyed steels with good corrosion resistance and considerably higher tensile and fatigue strength than ordinary stainless steel chains. CR chains can be used for all applications where chains need to remain flexible despite corrosive environments or must not rust for reasons of hygiene or appearance.

All CR chains are supplied with highly effective initial lubrication. Corrosion resistance is maintained with adequate relubrication.

Highlights

- High wear resistance if regularly relubricated
- Good, long-lasting corrosion resistance in comparison with surface-coated chains
- Significantly higher tensile and fatigue strength than ordinary stainless steel chains
- Smaller dimensions possible

Applications

- Food and beverage processing industry
- Drinks manufacturing
- Packaging machines
- Cheesemaking and dairy technology
- Moist or aggressive environments
- Cleaning systems



Condition monitoring

The CCM-S, which has been revised and is now equipped with additional sensors and interfaces, measures the wear elongation of chains during use and consequently helps maintenance staff recognize in good time when the chain has to be replaced due to wear elongation.

Highlights

- Gives maintenance staff time to (re)act!
- No long downtimes for plant or machinery
- No risk to promised delivery dates – no interruption of the logistics chain
- Prevents financial losses caused by interruptions to production
- Monitoring of precision chain applications
- “Plug and Play” principle applies – does not require calibration, etc.
- Wear- and impact-resistant plastic sliding guide
- Stable, leakproof plastic housing

✓ Digitalization interface

✓ Simple, modular construction

✓ Optimized design



For more information, see our JWIS product catalogue or visit www.iwis.com



For more information, see our product flyer or visit www.iwis.com



Chain lubrication

Because most of the friction is generated in the chain link joints, lubrication of this location has a decisive impact on the service life of a chain drive. In the baking industry, the use of food-grade lubricants depends on factors such as the accessibility of plant equipment, maintenance intervals, the risk of contamination and the intensity of cleaning.


When selecting the correct lubricant, it is also important to consider the media with which the chain comes into contact in the application. Products such as flour, sugar and starch can penetrate the chain link joint, and this can take lubricant from the chain and/or have an abrasive effect. This can result in inefficient relubrication and stiffness in the chain link joints.

Depending on the conditions of use, we recommend the following **initial lubricants**:

IP16 IP16 Oil-based food-grade lubricants

IP16 offers optimum protection against wear and corrosion and excellent penetration into the chain link joint. The high-performance oil forms an effective protective film that cannot be thrown off and permits problem-free relubrication.


Technical data:

Chemical composition	Synthetic hydrocarbon oil + ester oil
Colour	Yellow
Viscosity	Kinematisch (40 °C): 15 cm ² /s (1500 cSt)
Density	ca. 0.86 g/cm ³ (20 °C)
Physical state	Liquid
Temperature range	-25 °C to +120 °C
NSF H1 approval	154891 

EL-6 High-performance, wax-based lubricant

EL-6 is a chain lubrication wax with outstanding adhesion properties that has been specially developed for the foodstuffs industry. This wax has a positive effect on wear and corrosion and forms a protective film to prevent abrasive particles from penetrating into the chain link joint.

Technical data:

Struktur	Highly viscous
Colour	Beige
Viscosity	Approx. 125 mm ² /s at +100 °C
Density	Approx. 0.89
Gebrauchstemperatur	-25 °C to approx. +80 °C (change of state)
NSF H1 approval	154890 

iwidur®

Relubrication

Our high-adhesion **VP6 Kombi Superplus Spray** is ideally suited for relubricating chains with no risk of contact with foodstuffs and in temperature ranges of up to +250 °C.

The new iwis **VP8 FoodPlus** meets the stringent requirements of the NSF and has H1 approval (no. 157999). It is an excellent choice for the foodstuffs industry. VP8 can also be used in low-temperature ranges down to -35 °C.

Furthermore, our **MEGALife** and **CF b.dry** maintenance-free chains permit a remarkable service life without any initial lubrication or relubrication (**dry running**).



VP6 SuperPlus Spray

- Temperature range from 0 °C to 250 °C
- Wide range of applications
- Easy to apply
- High-performance lubricant developed especially for chain applications
- Optimum penetration
- Silicone-free



NEW VP8 FoodPlus Spray

- NSF H1 food grade approval (no. 157999)
- Free of MOSH/MOAH
- Precise, economic application possible
- Optimum penetration of chain link joint
- Temperature range of -35 °C to +135 °C
- Free of animal products and ethanol
- Silicone-free

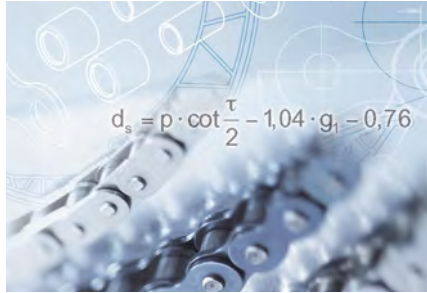
For more information, see our flyer
“Lubrication Solutions from iwis”

Customer service: We are here to help you



On-site advice and assessment

- Complete chain appraisals and plant analysis
- Expert experience and recommendations
- Application-specific solutions



Technical support

- Chain drive configuration (www.iwis.com/chain-calculation)
- Endurance tests and benchmarking
- Fatigue strength, breaking strength and metallographic analyses
- 3D printing models
- Technical documentation



Tailored solutions

- Wide variety of options for mounting attachments
- New design and optimization of attachments
- Customer-specific article labelling



Condition monitoring

Chain elongation monitoring system (CCM-S) as a perfect preventive maintenance tool.



Online tools

- CAD drawings
- Chain finder
- Chain configurator



Online Shop – www.iwis.com/shop

Clear, at-a-glance product information and fast-track ordering of standard-length chains.



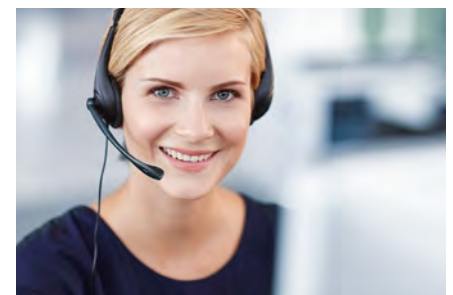
Drive components

- Sprockets
- Plate wheels
- Chain tensioners



iwTools

- Chain breaking tools
- Chain pullers
- Pin extractors



Customer Service

Tel. 089 76909-1500
 Fax 089 76909-1198
sales-muenchen@iwis.com

Our subsidiaries

www.iwis.com

Germany

iwis antriebssysteme GmbH & Co. KG
Albert-Roßhaupter-Straße 53
81369 München
Tel. +49 89 76909-1500
Fax +49 89 76909-1198
sales-muenchen@iwis.com

Germany

iwis antriebssysteme GmbH
Essener Straße 23
57234 Wilnsdorf
Tel. +49 2739 86-0
Fax +49 2739 86-22
sales-wilnsdorf@iwis.com

Germany

iwis agrisystems
Schützenweg 5
36205 Sontra
Tel. +49 5653 9778-0
Fax +49 5653 9778-26
agrisystems@iwis.com

Brazil

iwis Sistemas de Transmissão
de Energia Mecânica Ltda.
Rua Bento Rosa, nº 1816
Bairro Hidráulica
95.900-000 Lajeado, RS
Tel. +55 51 3748-7402
salesbrazil@iwis.com

China

iwis drive systems (Suzhou) Co., Ltd.
No. 266 LvliangShan Road
215153 Suzhou SND
Tel. +86 512 8566-3020
Fax +86 512 8566-3009
sales-cn@iwis.com

France

iwis antriebssysteme GmbH
10 rue du Luxembourg
69330 Meyzieu
Tel. +33 4374515-70
Fax +33 4374515-71
sales-fr@iwis.com

Great Britain

iwis drive systems Ltd.
Unit 8c Bloomfield Park
Bloomfield Road, Tipton
West Midlands, DY4 9AP
Tel. +44 12 15213600
Fax +44 12 15200822
salesuk@iwis.com

India

iwis drive systems India Pvt. Ltd.
„Anisha“, Unit No3, SR. No. 84/1
Regency Cosmos, Baner Mahalunge Road,
Opposite to Amruta Hotel
Baner, Pune, Maharashtra-411045
Tel. +91 20 67110305
salesin@iwis.com

Italy

iwis drive systems Srl
Via Carlo Rota, 10
20090 Monza (MB)
Tel. +39 340 9296142
Fax +49 89 7690949-1726
italia@iwis.com

Canada

iwis drive systems, Inc.
101-19097, 26th Avenue,
Surrey BC V3Z 3V7
Tel. +1 604 560-6395
Fax +1 604 560-6397
salesca@iwisusa.com

South Korea

iwis korea Co., Ltd.
Kyungki-do bucheon si yangjiro 237
ZIP 14786, Bucheon
Tel. +82 32-341-7542
Fax +82 32-341-7546
saleskor@iwis.com

Switzerland

iwis AG Kettentechnik
Bahnweg 4 (Postfach)
5504 Othmarsingen
Tel. +41 62 8898999
Fax +41 62 8898990
info@iwis-ketten.ch

Scandinavia

iwis Scandinavia
Tel. +45 31 390819
salescandic@iwis.com

Spain

C/ Segura, 1 nave 9-10 Pol. Oroel
Mejorada del Campo
Madrid 28840, Spain
Tel. +34 91 603 93 97
sales-es@iwis.com

Czech Republic

iwis antriebssysteme spol. s r.o.
Přísecká 893
38601 Strakonice
Tel. +420 383 411811
Fax +420 383 321695
salescz@iwis.com

Turkey

iwis tahrik sistemleri ltd. sti.
Aydınlı - BİRLİK Org. San. Bol.
5. Sokak No. 18/Z1
34953 Tuzla-Istanbul
Tel. +90 216 912 4947
salestr@iwis.com

United States

iwis drive systems, LLC
3581 South 450 East
Whitestown, IN 46075
Tel. +1 317 821-3539
Fax +1 317 821-3569
sales-us@iwis.com

Your sales representative

