Henan Yuantai Crane Machinery Import&Export Co., Ltd.

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Electric Hoist / Overhead Crane / Gantry Crane / Jib Crane
Henan Yuantai Crane Machinery Import&Export Co., Ltd consists of sales, e-commerce, service department, engage the Group’s foreign trade. There are more than 300 employees in our company, 200 salesmen and 50 persons in the service department. Our customers distribute throughout the southeast Asia, Russia, east europe, the Middle east, Africa and other areas, the products are welcomed by all customers.

The company mainly manufactures such products: various European-style Bridge, gantry cranes, European-style electric block, etc. Some key core components are original Britain SZW product. The structures are manufactured by strictly following European-style technology standards, so that the overall performance reaches advanced world level. The products are widely applicable to multiple fields such as steel, electric power, petrochemical industry, machine building, war industry, warehouse logistics and papermaking. We will offer you the best designs and provide high-standard tailor-made European-style cranes with highly-efficient technology and economic index.

Dongqi Group is a Sino-foreign joint venture. The Group consists of subsidiaries: Henan Dongqi Machinery Co., Ltd manufacturing), Henan Yuantai Crane Machinery Import&Export Co., Ltd (Foreign Trade).

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**SERIES PRODUCTS**

**European Standard Crane**
- Double girder overhead crane
- Single girder overhead crane
- Electric hoist

**Double Girder Overhead Crane**
- LH type double girder electric hoist crane
- QB type explosion-proof overhead crane
- QC type electromagnetic overhead crane
- GD type overhead crane with hook
- QDY type ladle overhead crane
- QE type double trolley overhead crane
- QY type insulation overhead crane
- QZ type grab bucket overhead crane

**Multi-function crane**

**Single Girder Overhead Crane**
- LB type explosion-proof overhead crane
- LD type single girder electric hoist crane
- LDP type low headroom single girder overhead crane
- LX type single girder suspension crane

**Gantry Crane**
- Single Girder Gantry Crane
- Double Girder Gantry Crane
- BMH Semi-Gantry Crane

**Jib Crane**
- B2 type pillar jib crane
- BX type wall mounted jib crane
- BB type wall-travelling jib crane

**Electric Hoist**
- CD type single speed wire rope electric hoist
- MD type double speed wire rope electric hoist
- BCD type explosion-proof electric hoist
- YH type metallurgical electric hoist
- Electric chain hoist
- Manual chain hoist
- Mini electric hoist

**Electric Winch**
Double Girder Overhead Crane

European Standard Double Girder Overhead Crane have features of design concepts, small dimension, light dead weight, Compared with traditional cranes, the limiting distance is minimum from hook to wall, and headroom is the lowest, which makes cranes work more close to the front, and lifting height more higher that increases effective working space of workplace.

New workshops can be designed more smaller and have more functions because the dead weight is light, and the wheel pressure is small. Smaller size workplace means saving a huge amount of money from initial construction investment, long-term heating, air conditioning and other maintenance free.

Design standard: FEM, DIN
Lifting capacity: 1.6t-80t
Span: ≥6m
Working class: A5, A6
Ambient temperature: -20-40℃
Advantage: The best design with best configuration, such as: Schneider, ABM, SEW, French Steel Rope and so on. It is very popular with competitive offering.

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### European Standard Double Girder Overhead Crane Parameter (16tons)

<table>
<thead>
<tr>
<th>Span (S) (m)</th>
<th>10.5</th>
<th>13.5</th>
<th>16.5</th>
<th>19.5</th>
<th>22.5</th>
<th>25.5</th>
<th>28.5</th>
<th>31.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working duty</td>
<td>A5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifting height (m)</td>
<td>6, 9, 12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifting speed (m/min)</td>
<td>0.66/4</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Trolley speed (m/min)</td>
<td>2.0<del>20 3.0</del>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crane speed (m/min)</td>
<td>3.0<del>30 4.0</del>40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Total weight (kg)</td>
<td>8506 10500 12754 14827 17235 20579 23554 27371</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Max Wheel Load (KN)</td>
<td>112 120 127 133.4 140.2 74.6 78.5 83.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Track (P38)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>RMain dimension (mm)</td>
<td>10.5 13.5 16.5 19.5 22.5 25.5 28.5 31.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rail top to main top (H)</td>
<td>1416 1516 1618 1516 1568 1568 1568 1618</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rail top to girder bottom (H1)</td>
<td>82.5 82.5 82.5 183 235 384 434 534</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rail top to hook centre (H2)</td>
<td>224 324 426 326 376 376 376 426</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hook left limitation (C1)</td>
<td>1250</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Hook right limitation (C2)</td>
<td>1250</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Trolley gauge (L)</td>
<td>1800 1800 1800 1800 1800 2200 2200 2200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wheel base (W)</td>
<td>3850 3850 3950 4000 4000 4458 4598 4598</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Crane width (B)</td>
<td>4584 4584 4684 4734 4734 5132 5272 5272</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track center to end beam (A)</td>
<td>140 140 140 140 140 188 188 188</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>
Single Girder Overhead Crane

European style single girder overhead cranes have the design concepts of small dimension, light dead weight and so on. Compared with traditional crane, European style single girder overhead crane has the minimum limiting distance from hook to wall, lower headroom and higher lifting height.

With these features, the European style single girder overhead crane could provide the workplace with more effective working space. As a result of it, the workplace could be designed smaller than before but with more functions. In addition, the wheel pressure is also decrease because the dead weight than before. A huge amount of money could be saved from the initial construction investment, long term heating fee, air conditioning and other maintenance fee. From the above, European style single girder overhead crane is a advisable choice for the client.

Design standard: FEM, DIN
Lifting capacity: 1t-20t
Span: 36m
Working class: A5, A6
Ambient temperature: -20-40°C
Advantage: The best design with best configuration, such as: Schneider, ABM, SEW, French Steel Rope and so on. It is very popular with competitive offering.

<table>
<thead>
<tr>
<th>Span (m)</th>
<th>7.5</th>
<th>10.5</th>
<th>13.5</th>
<th>16.5</th>
<th>19.5</th>
<th>22.5</th>
<th>25.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working duty</td>
<td>A5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifting height (m)</td>
<td>6, 9, 12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifting speed (m/min)</td>
<td>0.8/5</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Trolley weight (kg)</td>
<td>640</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Total weight (kg)</td>
<td>2696, 3200, 4091, 5307, 6466, 7694, 9309</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Max Wheel Load (KN)</td>
<td>51.85, 54.44, 57.7, 60.83, 64, 67.26, 71.36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track</td>
<td>P30</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Main dimension (mm)</td>
<td>7.5, 10.5, 13.5, 16.5, 19.5, 22.5, 25.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rail top to main top (H)</td>
<td>908, 908, 1008, 1208, 1308, 1358, 1482</td>
<td></td>
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<tr>
<td>Rail top to hook centre (h)</td>
<td>465, 465, 465, 365, 365, 365, 345</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hook left limitation (C1)</td>
<td>675, 675, 675, 675, 675, 675, 695</td>
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<td></td>
<td></td>
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<tr>
<td>Hook right limitation (C2)</td>
<td>1020</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track center to end beam lateral (A)</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Wheel base (W)</td>
<td>2000, 2000, 2000, 2500, 3000, 3000, 3500</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Crane width (B)</td>
<td>2674, 2674, 2674, 3174, 3674, 3674, 4174</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Single Girder Overhead Crane (10tons)

European Standard
European Standard Electric Hoist

European wire rope electric hoist offer outstanding quality and efficiency. Absolutely reliability is one of the most important features. We introduced latest technology like infinitely variable speed control, braking energy feedback system, safety monitor into control system. All those innovations benefit our customers for greater reliability and efficiency and make our wire rope hoist very competitive in the market.

Machinery design is based on FEM calculations for standard lifting gear allowing safe and reliable lifting of loads from 3.2 to 80 tons. Machinery has smooth and silent operation that extends the lifetime of the hoist.

Design standard: FEM, DIN
Lifting capacity: 3.2~80t
Lifting height: 6~50m
Working class: M5, M6
Ambient temperature: -20~40℃
Application: It can be mounted on single beam, bridge, gantry and jib cranes, widely used in factories, mines, harbours, warehouses, cargo storage areas and shops.

<table>
<thead>
<tr>
<th>Working duty</th>
<th>M6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifting height</td>
<td>m</td>
</tr>
<tr>
<td>Lifting speed</td>
<td>m/min</td>
</tr>
<tr>
<td>Pulley ratio</td>
<td></td>
</tr>
<tr>
<td>Traveling speed</td>
<td>m/min</td>
</tr>
<tr>
<td>Max Wheel Load</td>
<td>KN</td>
</tr>
<tr>
<td>Total weight</td>
<td>kg</td>
</tr>
</tbody>
</table>

| Main dimension | mm | 6 | 9 | 12 |
| width of main beam | b | 300~450 |
| Lifting side width | K1 | 560 | 560 | 560 |
| Operation side width | K2 | 550 | 550 | 550 |
| Hoist length | l | 1140 | 1320 | 1500 |
| Hook superior limit | h | 700 | 700 | 700 |
Double Girder Overhead Crane

Overhead crane is a kind of lifting equipment which is used in workshop, warehouse and yard to lift the materials. The end beam of bridge crane run along the laid on both sides of the elevated rail, the crane can make full use of the space below the bridge to lift materials, and it doesn’t have obstacles from the ground equipment. So it is one of the most widely used, the largest number of hoisting machinery.

We can supply double girder overhead crane with lifting capacity: 5~500t, span: 7.5~31.5m, lifting height: 3~50m, work class: A5,A6, speed: single / double speed. We also design and manufacture the nonstandard crane according users’ demanding.

Lifting capacity: 5-500 t  
Span: 7.5~31.5m  
Working class: A5-A6  
Ambient temperature: -20~+40℃  
Application: The product is applicable to the transfer, assembly, check and repair as well as load and unload at mechanic processing workshop, subsidiary workshop of metallurgical mills, warehouse, goods yard and power station.
Electrolytic aluminium multi-function crane

Electrolytic Aluminium Multifunction Crane is the indispensable special equipment for the large prebaked sintering anodes electrolytic aluminum plant in aluminum smelting industry. Its main function is hit the electrolyte crust in electrolytic bath; add alumina powder in electrolytic bath with feeding system; replace the anode with twist draw mechanism; the tapping trolley load the molten aluminum ladle in order to absorb molten aluminum and transport the ladle; lift positive bar, install and overhauling the electrolytic bath or other things with electric hoist.

The product adopt fully hydraulic, Pneumatic System. The main trolley has the function such as crust breaking, go up and down, Crust breaking head tilt and continuous knock. The feed pipe can go up and down and rotate. The feed bin vibrate on time automatically, has the material level autoalarm function; the cabin room can do horizontal rotation and be installed with auto lift straight ladder. The trolley is installed with auto counterpoint feeding

system; all adopt PLC control, have both cabin room control and remote control. It adopt more techniques such as overload limiter, aluminum discharging electronic scale load weighing device, OSD, etc.

Currently, the product has already been widely used among each major aluminum plant and well received by users.
Single Girder Overhead Crane

Overhead crane is a kind of lifting equipment which is used in workshop, warehouse and yard to lift the materials. The end beam of bridge crane run along the laid on both sides of the elevated rail, the crane can make full use of the space below the bridge to lift materials, and it doesn’t have obstacles from the ground equipment. So it is one of the most widely used, the largest number of hoisting machinery.

Lifting capacity: 0.5-20 t
Span: 7.5-28.5m
Working class: A3-A4
Ambient temperature: -20~+40℃
Application: This product is widely used in plants, warehouses, material stocks to lift goods. It is prohibited to use the equipment in the combustible, explosive or corrosive environment.

We can supply single girder overhead crane with lifting capacity: 0.5~20t, span: 7.5~28.5m, lifting height: 3~30m, work class: A3,A4, speed: single / double speed. We also design and manufacture the nonstandard crane according users’ demanding.
Gantry Crane

**Double Girder Gantry Crane**
- Design and manufacture according to GB/T 14406 "General gantry crane".
- Mainly made up of bridge, trolley, crane traveling mechanism and electric system.
- All the procedure is finished in the operating room.
- Applies to the open warehouse or rail along for general handling and lifting work.
- Also can be equipped with other lifting devices like grab or container spreader or etc. for special work.
- Prohibited for high temperature, flammable, explosive, corrosion, overloading, dust or other dangerous operations.

**Single Girder Gantry Crane**
- It is consisted with gantry frame (main girder, legs, bottom end beams), lifting mechanism, travelling mechanism, and electrical control.
- It is used with matching CD1 or MD1 electric hoist, and is a light small crane with rail travelling.
- Widely used in workshop, storage, port and hydroelectric power station and some other outdoor places, where it has a low frequency or few lifting times.
- It is forbidden to be used with melt metal, inflammable, or explosive objects.
- It can be designed with one hanging arm or no-hanging arm according to client's demand.

**Double Girder Gantry Crane**
- Type: MG
- Lifting capacity: 5t~500 t
- Span: 18~35m
- Working class: A5, A6
- Ambient temperature: -20~+40°C
- Application: This product is a regular crane widely used at open ground and warehouses to load, unload and grab materials. It has 2 controlling methods, namely ground controlling and room controlling.

**Single Girder Gantry Crane**
- Type: MH
- Lifting capacity: 3~32t
- Span: 12~35m
- Working class: A3, A4, A5
- Ambient temperature: -20~40°C
- Application: This product is a regular crane widely used at open ground and warehouses to load, unload and grab materials. It has 2 controlling methods, namely ground controlling and room controlling.
BMH Gantry Crane

- **Lifting capacity:** 2~50t
- **Span:** 10~25m
- **Working class:** A3, A4, A5
- **Ambient temperature:** -20~40℃

**Application:** This product is a regular crane widely used at open ground and warehouses to load, unload and grab materials. It has 2 controlling methods, namely ground controlling and room controlling.

BMH Semi-Gantry Crane

- **Type:** BMH
- **Lifting capacity:** 2~50t
- **Span:** 10~25m
- **Working class:** A3, A4, A5
- **Ambient temperature:** -20~40℃
- **Application:** This product is a regular crane widely used at open ground and warehouses to load, unload and grab materials. It has 2 controlling methods, namely ground controlling and room controlling.

**BMH Semi-Gantry Crane**

- It is a middle or small crane, used with CD, MD type hoist or trolley, travelling on rail.
- This product is a regular crane, widely used in mechanical processing workshop for materials handling, outdoor place and warehouse for loading and unloading.
- Under-beam has three-in-one motor, which can make more space for working.
- We could also design the crane according to requirements for you.

Jib Crane

**BZ type Pillar Jib Crane**

- **Type:** BZ
- **Lifting capacity:** 0.5~10 t
- **Lifting height:** 3~12m
- **Working class:** A3
- **Ambient temperature:** -25~+40℃
- **Application:** It is widely used in manufacture of machine, car, ship building, the production line of industry modernization, assembly line and warehouse, wharf, laboratory.

**BZ type Gantry Crane**

- **Type:** BZ
- **Lifting capacity:** 0.5~10 t
- **Lifting height:** 3~12m
- **Working class:** A3
- **Ambient temperature:** -25~+40℃
- **Application:** It is a kind of small and medium-sized lifting equipment with the recent development. It has unique structure, and it is safe and reliable with the advantage of high efficiency and energy saving, timesaving, flexible and so on. And it can be operated freely in 3D space. And it can show its superiority when it is working in the short-range or intensive lifting occasions.
- **Widely used in workshop, warehouse, dock and other fixed places.**

**BZ type Pillar Jib Crane**

- **Type:** BZ
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- **Widely used in workshop, warehouse, dock and other fixed places.**
BB type wall-travelling Jib Crane

- Its rails system is installed on the concrete pillars and moving lengthwise along the rails.
- At the same time, the electric hoist is traveling laterally along the arm, and also lifting objects in the vertical direction.

Type: BB  
Lifting capacity: 0.5~10t  
Span: 3~10m  
Working class: A3  
Ambient temperature: -20~40℃  
Application: It is widely used in manufacture of machine, car, ship building, the production line of industry modernization, assembly line and warehouse, wharf, laboratory.

BX type wall mounted Jib Crane

- It is made of support column, jib device and electric hoist
- The cantilever is fixed on the wall or concrete post, and the rotation is according to your demand.
- The rotation method includes manual and electric.
- Widely used in permanent place such as workshop, storage and ports, etc.

Type: BX  
Lifting capacity: 0.25~1 t  
Lifting height: 3~6m  
Working class: A3  
Ambient temperature: -25~40℃  
Application: It is widely used in manufacture of machine, car, ship building, the production line of industry modernization, assembly line and warehouse, wharf, laboratory.
Electric Hoist

Electric hoist is a kind of special lifting equipment, installed on the crane and gantry crane. It has features of small volume, light weight, simple operation and convenient use, etc, which is used for industrial and mining enterprises, storage terminals and other places.

We can supply hoist with lifting capacity: 0.25~80t, lifting height: 3~50m, work class: A3, A4, A5, speed: single / double speed. We also design and manufacture the nonstandard crane according users’ demanding.

Lifting capacity: 0.25~80t
Lifting height: 3~50m
Working class: A3, A4, A5
Ambient temperature: -20~40℃
Application: It can be mounted on single beam, bridge, gantry and jib cranes, widely used in factories, mines, harbours, warehouses, cargo storage areas and shops.

HENAN YUANTAI CRANE MACHINERY IMPORT&EXPORT CO., LTD.

http://www.cranesdq.com
Electric Winch

Winch is divided into manual winch and electric winch. Mainly used in construction, water, forestry, mining, port, etc material lift or drag.

This series mining winch is mainly used for all kinds of large and super large concrete, steel structure and mechanical equipment installation and removal. Its structure is characterized by order, safe and reliable.

Lifting capacity: 2~200t
Lifting height: 50~1000m
Working class: M3, M4, M5
Ambient temperature: -25~40℃
Application: Mainly used for hoisting pull and unloading the weight droop, for example, steel, installation and disassembly of mechanical equipment.

Yuantai crane with their own advantages, strategic cooperation with international brand-name companies, which fully guarantee the quality and performance of the crane.

What we think is for customer needs.
Perfect quality assurance system, strict quality control and comprehensive quality management make perfection possible for every section and every product. Meanwhile advanced inspection instruments in the world national authoritative inspection centers and steady quality inspection level give us confidence in fierce competition in the world.

**ISO Certificates**

**European Union CE Certificates**

**Manufacture License of Special Equipment**

Our products have been exported to the United States, Britain, Russia, Panama, Brazil, Australia, India, and etc, more than 60 countries and regions. Yuantai remain a stable growth on global sales for many years, and keep increasing the share of the market year by year. Stable operation, qualities first, focus on customer’s idea, these help to provide long-term security and reliable products, let the customer’s material handling easier, and create more and more value for customers.