



Braking is our passion.

Safety united.

A global player through quality.
PINTSCH BUBENZER.



PINTSCH BUBENZER is focused on the design, production and service of high quality braking systems for both static and dynamic applications which involve the precise control of small to very large amounts of kinetic energy. The challenge is to control that energy in the most efficient, cost-effective way.

In the sectors of port, shipbuilding and offshore engineering, mining, the steel industry, utilization of wind, mechanical engineering and construction of special vehicles, **PINTSCH BUBENZER** is a world leader in braking system design and manufacturing, with safety built into every product.

With its employees, two development and production works in Germany, its own branches in the U.S.A. and in Malaysia as well as sales and service partners established around the world, **PINTSCH BUBENZER** achieves an exceptionally high level of export sales.

For many years, our commitment to R&D has exceeded the industry average. The many patented products resulting from this effort tell the story. We are also committed to on-going training of our employees, and expansion of our world-wide sales and service network.

Something we are sure of:

Quality will always assert itself – throughout the world!



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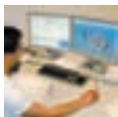
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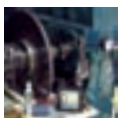
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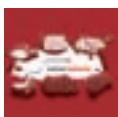
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Crane systems .

Safety for "load bearers".





In the application segment of port engineering, **PINTSCH BUBENZER** has worked very closely together with port operators and consultants as well as crane manufacturers and chandlers internationally for many years. The global application know-how built up in this way secures continuous improvements in the quality-determining criteria for all participating parties and enables us to develop our products, technologies and services still further to the highest level in a manner suitable for real-work situations.

Dialogue clarifies problems, creates trust and overcomes limits. Attentive listening and customer-oriented action – these too are reasons for the fact that crane manufacturers throughout the world place their trust in brakes:

“Designed and Made by **PINTSCH BUBENZER**”.

We support our customers for the long haul – from the initial conceptual stage of a project through to drawing approval, manufacturing, delivery and installation. On-site commissioning and training and spare parts support complete our practice of staying with our customers.

The **PINTSCH BUBENZER** after-sales-services are available around the world and increase up-time and thereby the economic benefit for the customer – for example through preventive maintenance, rapid deliveries of spare parts and on-going equipment surveys and personnel training.

Ship's chandlery.

Reliability for "globetrotters".





As a result of factors such as temperature variations, storms, contact with saltwater, flooding and downtimes, marine applications place the very highest qualitative demands on the braking systems used in respect of their design, the materials used, manufacturing, installation and surface protection. Thus corrosion resistance and absolute water-resistance (up to IP 67) coupled at the same time with the ability for maintenance to be carried out in a simple manner – literally with what is on board – are among the mandatory criteria.

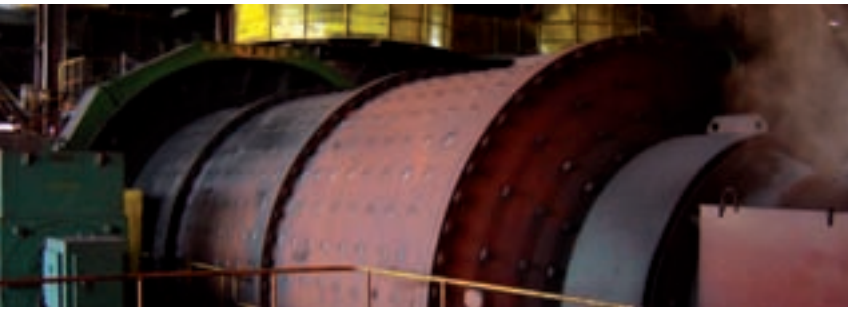
Brakes and braking systems from **PINTSCH BUBENZER** have been setting the standard on ships of different sizes and classes as well as on ocean giants since 1935 and are today the first selection for many well-known ship's chandlers and offshore-engineering manufacturers.

PINTSCH BUBENZER brakes fulfil all the approval criteria of the important classification societies. The comprehensive delivery range provides technically practice-proven solutions for nearly every marine braking application.

If brakes are required for special applications, our application and development engineers will look forward to taking on your challenge!

Mining.

Quality for "treasure hunters".





Whether by surface or underground mining, generally millions of tons of material must be moved in order to extract targeted raw materials or minerals. Indeed, it is not uncommon that mountains are literally moved in mining operations. The often gigantic tunnel boring and cleaning machines, conveyor systems, bucket wheel excavators, special vehicles, material grading and separating systems, etc are often in service 24 hours/day, for years.

PINTSCH BUBENZER has been meeting the special challenges set by the specialty manufacturers of these machines, systems and vehicles for many years and today is rated world-wide one of the leading development partners and system suppliers.

In close co-operation with the manufacturers of mining equipment, **PINTSCH BUBENZER** Engineering is always providing solutions to operational and safety braking challenges.

Just one example from many is the crushing of ore-containing rock. The brakes we developed for this application develop a braking torque of more than 20,000,000 Nm. This demonstrates that we're always up to the challenges presented to us.

Give us your toughest brake requirement – we're ready!

Steel industry.

Diversity for "refiners".





High ambient temperatures and dust-filled air are typical environmental conditions associated with the processing of steel. This environment places tough demands on the drive systems and brakes used in steel making facilities. Hot metal, semi-automated rolling mill and overhead loading cranes require the most reliable, maintenance-friendly braking systems available.

The engineers and designers at **PINTSCH BUBENZER** possess decades of experience on such applications for the steel industry and know the problem zones and pitfalls of such applications back to front.

The above holds good not only for the designing and realization of new plant and systems but also for modernization measures such as the conversion of drum brakes to disk brakes as well as installation, commissioning, maintenance and repair tasks.

Profit from our know-how!

Wind power.

Stamina for "energy producers".





PINTSCH BUBENZER offers wind turbine manufacturers and wind farm operators innovative braking systems for rotor, azimuth and rotor-locking motions, utilizing efficiently-designed disc brakes, clutches and hydraulic systems.

The well thought-out design of all system components and the high and constant quality standards maintained in production, installation and final acceptance ensure smooth and reliable operation, minimum expenditure for maintenance and long service lives. With quality products from **PINTSCH BUBENZER** investors save trouble, time and costs over the full useful life of their systems and increase thereby their profits in a long-term manner.

In addition, our optional brake monitoring systems further reduce downtime and maintenance expense by identifying minor adjustment and wear issues before they become serious maintenance problems. This is an especially important enhancement for offshore wind farms.

Innovations.

Need experience and teamwork.





PINTSCH BUBENZER quality results from the experience built up over decades. An important fundamental for the acquisition of this know-how is the on-going feedback we receive from our customers.

PINTSCH BUBENZER possesses a world-wide network of expert employees and partners for sales and service. Thanks to this direct "interface" with our customers, our engineers are able to develop solutions that have not only been proven in practice but also satisfy the particular individual requirements.

For the practical conversion of innovative ideas into concrete products, **PINTSCH BUBENZER** Engineering uses modern design methods and software at the latest state of the art such as 3D-CAD systems (SolidWorks) not only for the mechanical design work but also for the development of electronic components. The ability to accept customers' CAD data and simulate the functioning of brakes in computer models saves time and eliminates sources of errors.

For the construction of prototypes and custom-made products our highly qualified employees have available their own CNC manufacturing capacities and all the necessary testing and checking equipment in-house.

In addition, we have established an extensive, flexible network of component vendors who specialize in high quality parts and services which enhance our production capabilities.

Quality.

In our thoughts, and in our products.





Brakes from **PINTSCH BUBENZER** are "Made in Germany". At our production locations in Kirchen-Wehbach and Dinslaken our properly qualified employees, most of whom have been with us for many years, pay close attention to the maintenance of our own high quality standards and those of our suppliers. We are particularly proud of our apprenticeship program which transfers knowledge and workmanship standards to new, young employees.

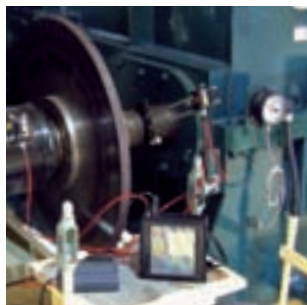
The quality management of the company is certified in accordance with DIN EN ISO 9001:2000. Our production, installation, quality assurance, warehousing and forwarding departments are fitted out with technically modern equipment and organized in accordance with the latest ergonomic and operational-logistics standards. For surface finishing we have our own paintshops.

With our modern, efficient manufacturing facilities, we are able to offer a complete standard line of brake products at competitive prices and with the **PINTSCH BUBENZER** high standard of quality. This quality standard also applies to custom-made solutions for our customers world-wide.

Formula for success.

Customer focus.





Brakes are safety components – they protect human life and capital goods. Accordingly it is essential that they are operated and maintained in accordance with the manufacturer's instructions.

PINTSCH BUBENZER offers all its customers theoretical and practical training courses can take place in the German factories, our North American or Malaysian training facilities, or at site.

Our uppermost objective is **customer satisfaction through reliable braking!**

To ensure that brakes from **PINTSCH BUBENZER** function perfectly in every situation, we offer our customer a wide range of services including maintenance, surveys and laser-supported aligning of machine sets on the spot. Furthermore we offer individually tailored maintenance contracts, our 24/7 service hotline as well as high availability of spare parts in conjunction with rapid delivery – world-wide.

In addition, our service team stands ready to advise and support our customers with rebuilds and retrofits of existing **PINTSCH BUBENZER** brakings systems which extend the useful service lives of that equipment.

Yesterday – today – tomorrow.
Progress with a long tradition.





PINTSCH BUBENZER is the result of a strategic realignment of the drive technology corporate area of PINTSCH BAMAG Antriebs- und Verkehrstechnik GmbH, Dinslaken. In July, 2007 the subsidiary of Schaltbau Holding AG, Munich acquired the firm of BUBENZER BREMSEN – with its headquarters in the town of Kirchen-Wehbach in the Siegerland area of Germany – together with its subsidiaries in the U.S.A. and Malaysia.

PINTSCH BAMAG and BUBENZER BREMSEN define themselves as innovators as well as manufacturers with the highest quality standards. This self-assurance is based on a long and successful tradition which started with BUBENZER BREMSEN in 1958 and which with PINTSCH BAMAG can be traced back to 1843 or, respectively, 1870.

The merger of successful brake manufacturers PINTSCH BAMAG and BUBENZER BREMSEN into **PINTSCH BUBENZER** GmbH has resulted in a full-line, high quality braking systems supplier which is well-positioned to service the container handling, shipbuilding, offshore, mining, steel and wind industries world-wide. The production facilities complement each other, and are supported by synergies in research and development capabilities. Additional synergies in the areas of installation, sales and service will help to strengthen **PINTSCH BUBENZER's** competitive position.

Technology with systematic.
PINTSCH BUBENZER.



Regardless of the braking requirement, **PINTSCH BUBENZER** can offer the right safety, main, holding or storm brake for practically any application. The product line includes disc, drum, band, electromagnetic, pneumatic and hydraulic brakes in both standard and special executions up to and including IP67.

In addition we have solutions for storm safeguards, hydraulic aggregates and monitoring systems as well as comprehensive options for each product line. Brakes from **PINTSCH BUBENZER** satisfy the relevant safety requirements throughout the world and – in accordance with their particular purpose of use – possess all the relevant product approvals of well-known classification societies such as German Lloyd, Lloyd's Register of Shipping, Det Norske Veritas, Bureau Veritas, American Bureau of Shipping and Russian Maritime Register of Shipping through independent acceptance.

Please find an overview of all products as well as the corresponding data sheets on our catalogue CD-Rom on page 23 



PINTSCH BUBENZER GmbH

Friedrichshuettenstr. 1
D-57548 Kirchen-Wehbach
Phone +49 (0) 27 41/94 88-0

Huenxer Str. 149
D-46537 Dinslaken
Phone +49 (0) 20 64/602-0

www.pintschbubenzler.de

PINTSCH BUBENZER
A Schaltbau Company