

PRESS RELEASE JDN126

AIR HOISTS MAKE FOR SAFE AND RELIABLE LIFTING IN TOUGH OPERATING ENVIRONMENTS

Wherever tough or hazardous operating conditions place excessive demands on lifting operations, Profi series air hoists from J D Neuhaus (JDN) rise to the challenge. The JDN Profi range is now deployed in applications that range from chemical (including pharmaceutical, paints and varnish), foundries, and food and beverage, to list but a few. In such industries, the inherent design attributes of Profi hoists are proven that they can perform safe, high-performance and cost-effective lifting and lowering operations.

Profi air hoists are known for their robust design, a characteristic that makes them suitable for tough industrial applications, even in continuous working processes. Safety features, such as 100% duty rating and explosion protection are an important advantage when working in hazardous areas. In line with customer requirements, various control systems are available, including remote controls, while for traversing loads, different trolley designs can be specified.

Put simply, Profi hoists excel in places where safety is paramount. After all, unlike electricity, compressed air does not generate sparks, while overload protection is available and is often provided as standard. What's more, the chain and hook are manufactured from high-quality tempered steels with a breaking strength some five times the nominal load.

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Carrying capacities from 250 kg to 100 tonnes can be accommodated by Profi series air hoists, with 4 or 6 bar pressure compressed air. As standard, sensitive, infinitely variable speed control allows the precise positioning of loads, a function that is supported by frequent switching and extended duty cycles. Simple operation, sound absorption and suitability for lube-free operation are among further benefits of these low-headroom, lightweight hoists.

Low maintenance is also a primary attribute of the Profi series, which is insensitive to dust, humidity and temperature (from -20°C up to +70°C). In addition, the chain sprocket in the mid-section runs in dustproof, maintenance-free ball bearings, while the planetary gear, which features teeth made from tempered or hardened high-grade steel, is lubricated with long-life grease.

In sectors such as chemical and pharmaceutical, Profi air hoists lift and transport raw and finished goods, as well as auxiliary equipment such as submersible pumps, big bags and mounting tubes. Explosion-proof operation is clearly paramount in such operating environments. Here, Profi hoists offer explosion protection as standard, providing sensitive lifting and lowering, complemented by insensitivity to fumes and other environmental influences.

For the paint sector, Profi hoists typically handle cylinders, rollers and coils. Here, both explosion-proof operation and low-headroom design make these advanced hoists the ideal tool for the job.

In foundries, Profi hoists are also proving their value. Foundry tasks include transporting and discharging ladles with liquid steel, lifting and turning moulds, handling cast parts on shaking grates, and cleaning castings. Users of Profi hoists in these tough operating conditions benefit from insensitivity to high temperatures and dust, as well as high lifting and lowering speeds, and 100% duty cycle.

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The story of success is similar in the food industry, for tasks such as handling containers in jam or marmalade factories. In these applications, Profi air hoists are insensitive to humid and/or aggressive food production environments, delivering careful, yet reliable lifting and lowering, time after time. Here, Profi hoists take advantage of trolley wheels, chain and hooks made of stainless steel.

Ultimately, Profi air hoists from JDN are providing a clear demonstration of being engineered for extremes by delivering safe, reliable, high-performance operation in a wide range of tough industry applications, while also providing low cost of ownership.

Company Information

With over 200 employees across the group, J D Neuhaus manufactures pneumatically and hydraulically-operated hoists and crane systems up to 115 tonne capacity from its state-of-the-art facility in Witten, Germany. This globally unique specialisation means that J D Neuhaus has set the quality standard for the market, a move that has seen the company become the established global leader in its technology field with customers in more than 90 countries worldwide.

Resilience and reliability are the key product differentiators, thanks largely to their explosive protection rating which makes them ideal for use even in the most challenging of operating environments. Extreme applications include oil and gas exploration in arctic temperatures as low as -45° C, along with underwater tasks such as ship hull repairs, and plenty of others in demanding sectors like mining, the chemical industry, heavy plant construction and many areas of logistics.

The wide portfolio of services provided by J D Neuhaus includes equipment assembly, inspection, maintenance and general overhaul, along with the supply of customer training courses.

Over 80% of production from the Witten plant is exported, which is why the company has long-established subsidiary companies in France, Great Britain, Singapore and the USA, all of which have helped create a tight-knit global network in collaboration with international partners.

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J D Neuhaus has history that can be traced back to 1745, and is now in its seventh generation of family ownership. Visitors to the Hebezeug-Museum (Hoist Museum) in Witten, are able to see for themselves the remarkable history of this progressive company.

Further information is available on request to:

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including photographic annotations)

General Information

Reader response inquiries to: Mr Manfred Müller of J D Neuhaus GmbH & Co. KG

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Profi air hoists from J D Neuhaus perform safe, high-performance and cost-effective lifting and lowering operations throughout industry.

[Download high resolution 300dpi image \(2700 x 1800 px\)](#)

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With insensitivity to high temperatures and dust, Profi hoists from J D Neuhaus prove their value in tough operating conditions such as foundries.

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Profi hoists from J D Neuhaus offer explosion-proof operation, paramount in sectors such as chemical and pharmaceutical.

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J D Neuhaus are a privately-owned company, founded in 1745, and for over 270 years they have been using their expertise and experience to manufacture the highest quality hoists and cranes.



Their products offer solutions to almost every material handling problem irrespective of the driving medium: from air and hydraulic hoists up to complete crane installations with explosion proofness.

JDN products are used in a wide variety of industries including:

Airplane Yards; Atomic/Coal Power Stations; Big Bag Handling; Cement Industry; Chemical Industry; Crane Manufacturers; Dairies; Food Industry; Foundries; Galvanisation; Glass/Ceramics; Large Kitchens; Leather Plants; Locks; Machine and Plant Construction; Mining; Motor Car Industry; Offshore/Onshore; Oil Storage; Over/Underground Construction; Paints and Varnish; Painting and Coating Installations; Paper Industry; Pharmaceutical Industry; Printing Industry; Pyrotechnics Industries; Refineries; Sawmills; Shipbuilding and Shiprepair Yards; Ships; Space Technique; Spray Booths; Steel Works; Surface Technique; Tank Cleaning Devices; Textile Industry; Tunnel; Tyre Manufacturers; Vacuum Technique

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J D Neuhaus are represented in more than 90 countries and over 70 branches Worldwide.



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