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Мобильные роторно-лопастные насосы TORNADO®

Безопасный и гибкий в любом месте

Pumps & Systems

Mobile TORNADO® Rotary Lobe Pumps

HIGH PERFORMANCE, RELIABILITY AND MAINTENANCE IN PLACE

TORNADO® Mobile – Nothing moves more

The TORNADO® Mobile combines the flexibility and independence of a mobile unit with the proven technology of a rotary lobe pump from NETZSCH. The TORNADO® Mobile is based on NETZSCH's many years of experience in developing universally usable mobile rotary lobe pumps. The self-priming, valveless TORNADO® positive displacement pumps are very powerful and are optimised to your individual requirements. They are used for continuous and gentle delivery as well as speed proportional dosing of almost all media.

Power range and characteristics

- Flow rate, up to 1,000 m³/h remains constantly
- Pressures up to 6 bar, higher pressures on request
- Resistant to solids, with max. particle size up to 70 mm
- Resistant to abrasive media
- Self-priming
- Robust
- Simple control



TORNADO® rotary lobe pump T1 und T2

TORNADO® Rotary Lobe Pumps are outstanding

Ease of service on site

The NETZSCH TORNADO® rotary lobe pump offers considerably longer service intervals because of its modular housing structure, the individually exchangeable housing shells and the mechanically and chemically resistant wear protection plates. If a service is required, all necessary areas are easy to access once the housing cover has been opened.

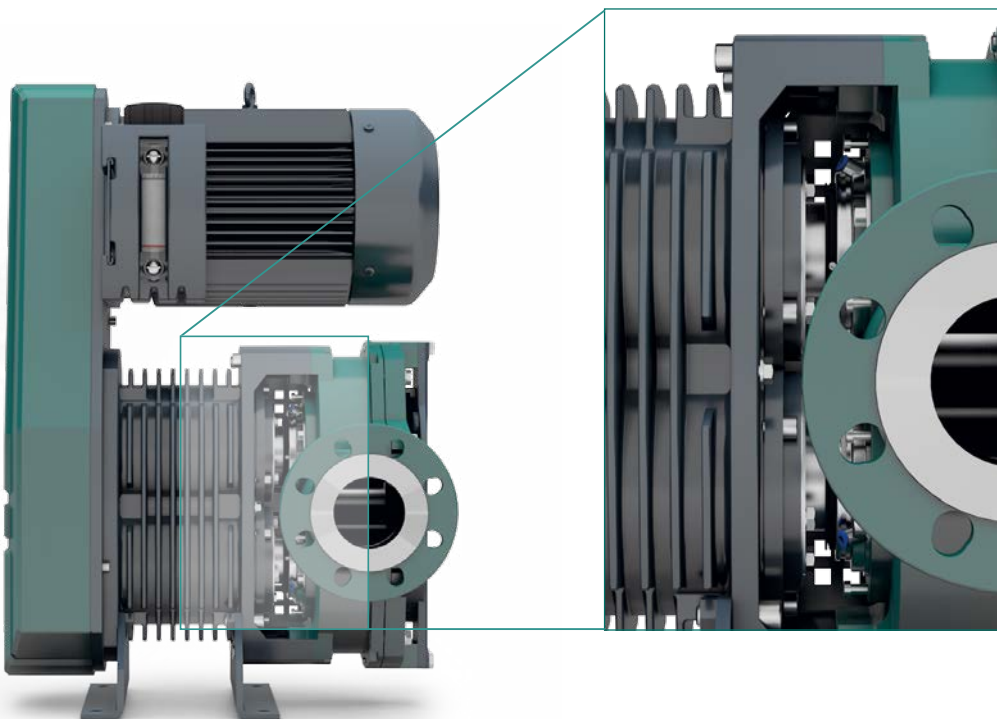
High Performance

NETZSCH TORNADO® rotary lobe pumps stand out for their high level of efficiency. Pumping capacities of 1 to 1,000 m³/h for countless applications demonstrate their top performance.

Long-term reliability

The NETZSCH typical physical separation between pump chamber and bearing housing guarantees the highest operational safety.

- Eliminates product ingress into gear box in the unlikely event of product seal failure
- Eliminates the risk of gear oil ingress into the pump media
- Easy access to seal buffer/quench and barrier/flush connections



TORNADO® Mobile

ROTARY LOBE PUMPS FOR FLEXIBLE USE

Design examples for mobile TORNADO® Rotary Lobe Pumps

TORNADO® XLB-4/2 for pumping waste water with 3 % solid content. Pumping capacity 150 to 300 m³/h at 2.8 bar.

Set-up on tandem trailers with diesel unit with 60 kW capacity and an integrated 100 l tank.



TORNADO® XLB-4 for pumping between 100 and 220 m³/h waste water at 2 bar.

Set-up on a stable single-axle trailer with diesel unit 90 KW and in-built 90 l tank. Integrated control for over and negative pressure, along with a dry running sensor. Complete unit with soundproof enclosure.





TORNADO® XLB-8/2 pumps
1000 m³/h at 3 to 5 bar.

Mounted on a 2-axle fire brigade
to combat high water tides.



TORNADO® T2 mobile for
pumping between 5 and 100 m³/h
waste water at 8 bar.

Connectors with tanker coupling in
ergonomic S shape. Hand wheel for
regulating the pumping capacity.

TORNADO® Mobile

ROTARY LOBE PUMPS FOR FLEXIBLE USE

Design examples for mobile TORNADO® Rotary Lobe Pumps

TORNADO® T.Envir® 06/300 BC for pumping 300 m³/h water, sludge or liquid manure as a mobile pumping station.

Driven by tractor power take off. External thread for connecting different coupling parts such as Perrot, Stortz or similar.



TORNADO® XLB 6/2 transports from approx. 200 to 700 m³/h of sludge, liquid manure or flood water.

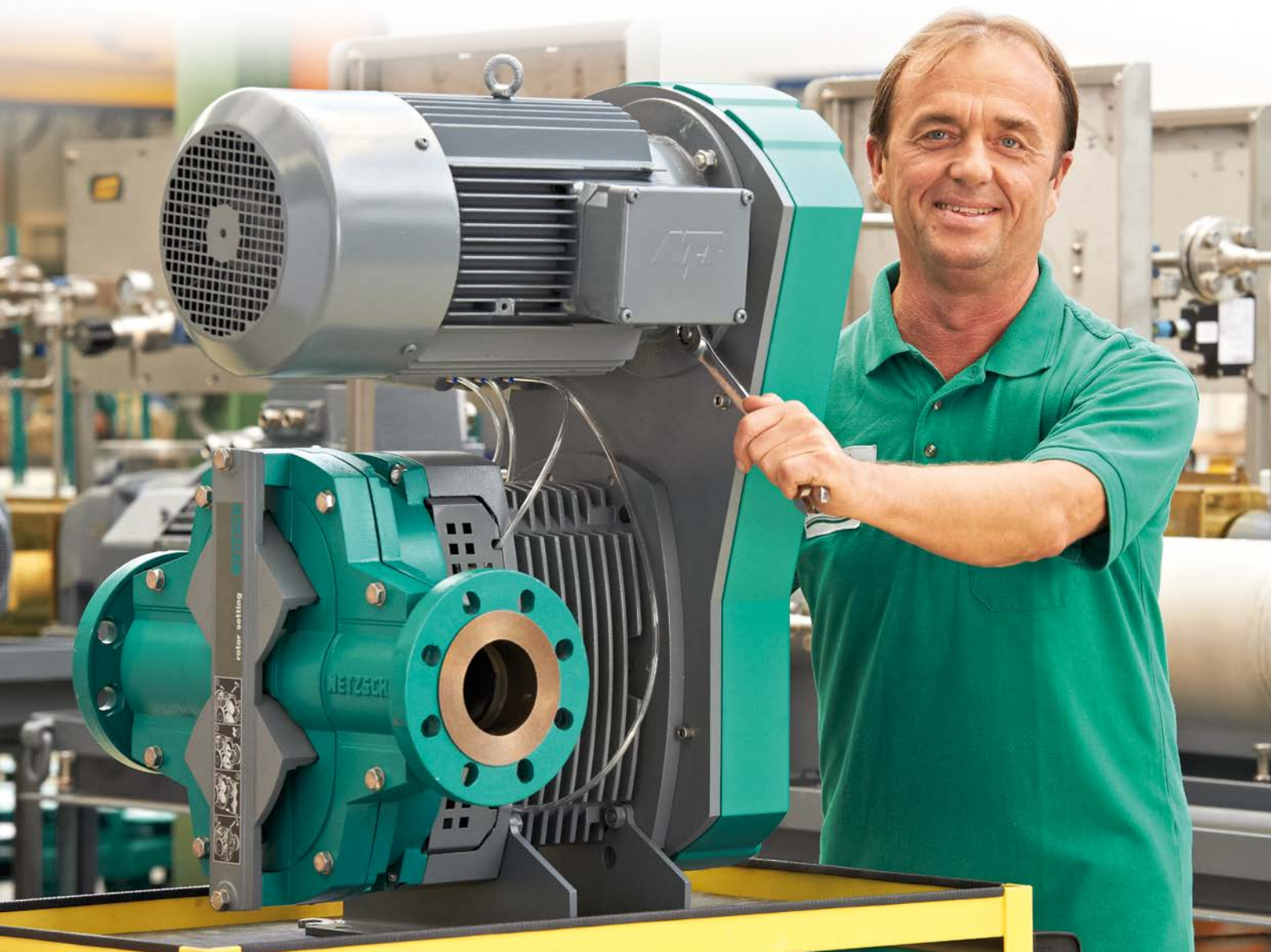
Mounted on three-point linkage, with tractor shaft.

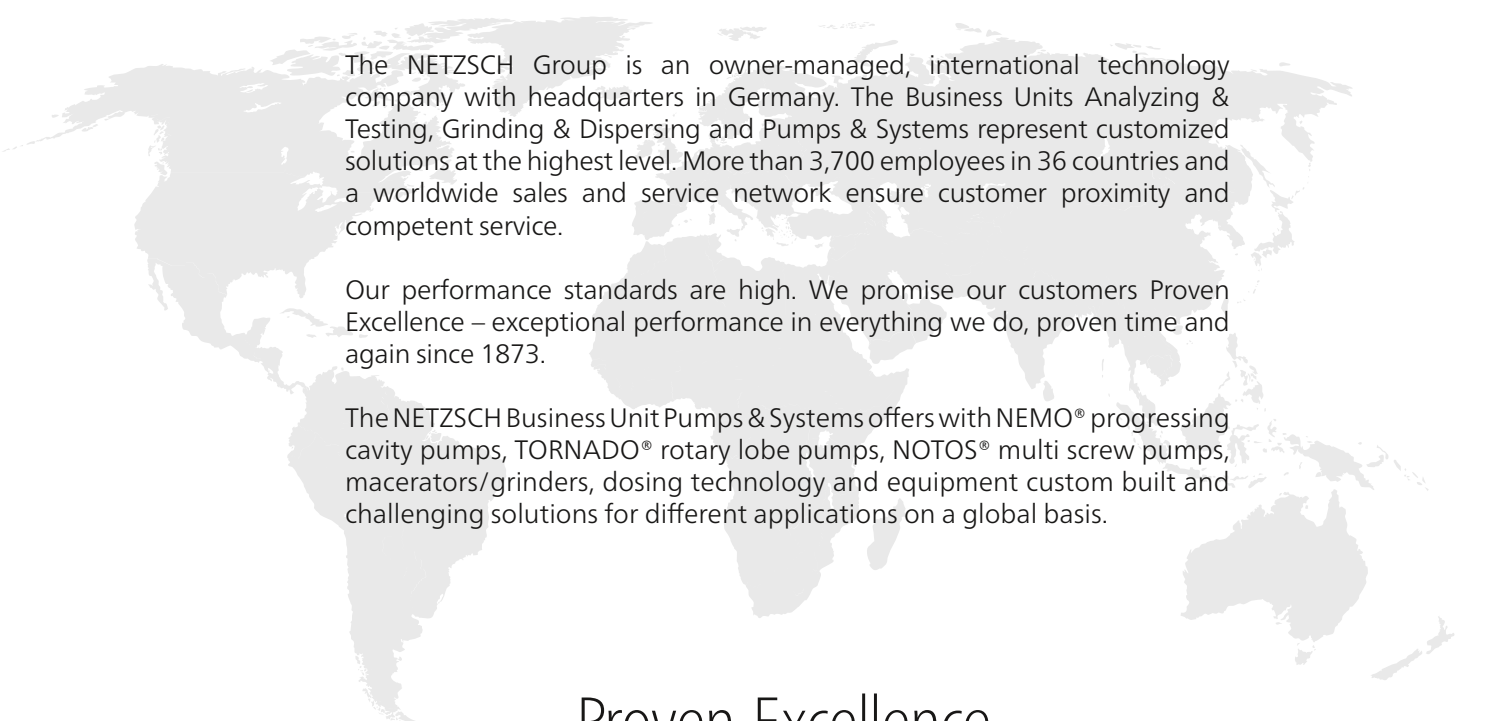


Customer specific requirements are our standard

We build the TORNADO® Mobile customised for your application. The pumping capacity, drive and chassis are designed precisely to the features of the pumping medium and purpose. Highly diverse material and shaft seal variants cover virtually all applications in the areas of farming, environmental and catastrophe protection, chemical, paper as well as oil and gas.

We always have the right solution on hand for you.





The NETZSCH Group is an owner-managed, international technology company with headquarters in Germany. The Business Units Analyzing & Testing, Grinding & Dispersing and Pumps & Systems represent customized solutions at the highest level. More than 3,700 employees in 36 countries and a worldwide sales and service network ensure customer proximity and competent service.

Our performance standards are high. We promise our customers Proven Excellence – exceptional performance in everything we do, proven time and again since 1873.

The NETZSCH Business Unit Pumps & Systems offers with NEMO® progressing cavity pumps, TORNADO® rotary lobe pumps, NOTOS® multi screw pumps, macerators/grinders, dosing technology and equipment custom built and challenging solutions for different applications on a global basis.

Proven Excellence.

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