WITTENSTEIN | alpha

alpha
Linear
Systems

2 x 1 ≠ 1 x 2

WITTENSTEIN alpha in all axes – now with 2 meter racks

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We offer complete drive solutions from a single source for any axis, with gearboxes, pinions and racks. To meet the needs of customers even better, we have expanded our portfolio in the Value and Advanced segment, adding racks with a length of up to 2 m. Depending on the application you can now choose from 2 x 1 m and 1 x 2 m versions.

We would be happy to help you choose the optimum rack for your application!

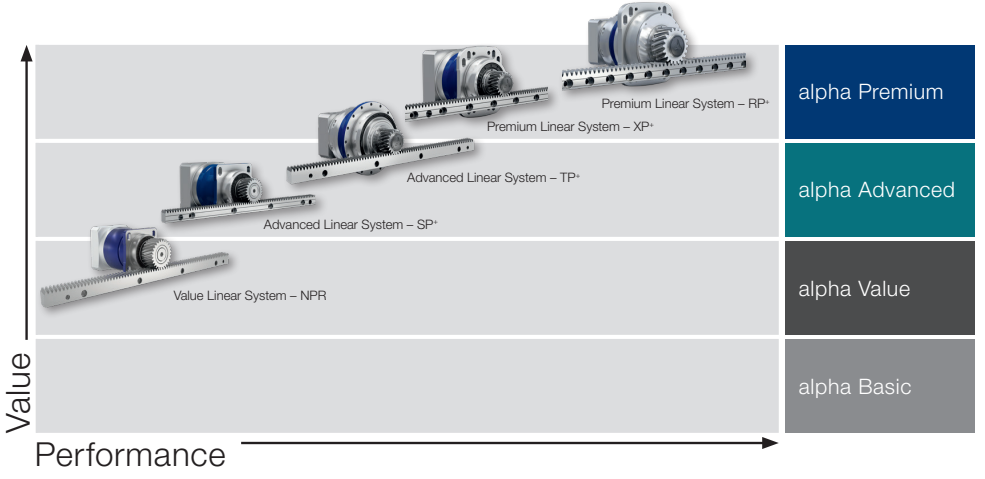
Linear systems from WITTENSTEIN alpha – the perfect symbiosis of state-of-the-art technology and many years of experience.

Our unique knowledge extends from the coupling of gearboxes, motors, pinions and racks to outstanding system solutions. We offer solutions perfectly designed to meet your specific needs in terms of the smooth running, positioning accuracy and feed force of linear drives.

Benefit from maximum performance across the board:

- Perfectly matched components
- Maximum efficiency and power density
- Exceptional linear system rigidity for even greater dynamics and precision
- Simple mounting and perfect integration in the drive train
- Available in different sizes, power categories and segments

Consultation and quality – everything from a single source!



Our proven 1 meter racks

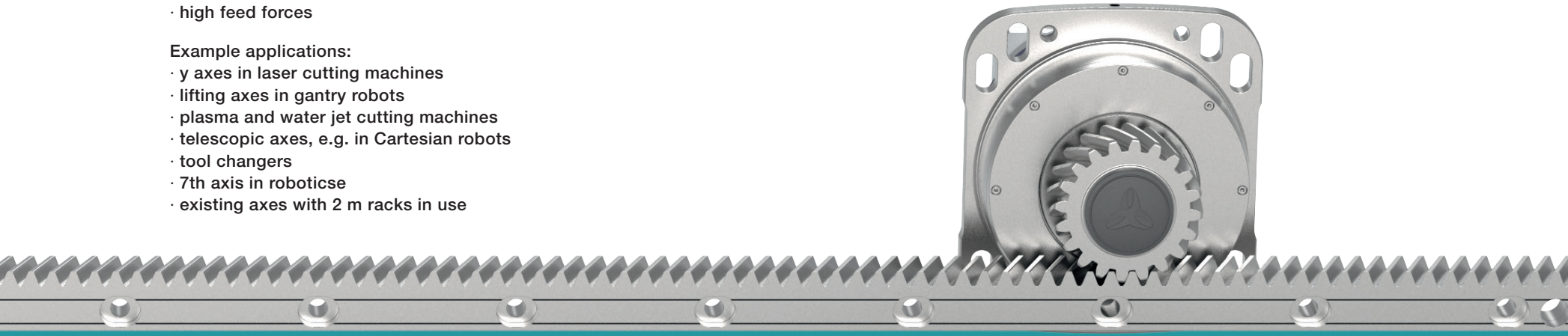
· quick and efficient installation with INIRA® clamping, adjusting and pinning
· easy transport, storage (standardization) and handling
· improved axis accuracy thanks to higher rack segment precision –
  precise adjustment of the rack transition with INIRA® adjusting
· highest feed forces with case-hardened racks (downsizing potential)

Example applications:
· x axes in laser cutting machines
· traversing axes in gantry robots
· x axes in wood, plastic and composite machining centers
· cutting machine tools
· others

Our new 2 meter racks

· quick and efficient installation without transition in short axes
· optionally with INIRA® clamping, pinning and adjusting
· easy handling with short machine beds
· high feed forces

Example applications:
· y axes in laser cutting machines
· lifting axes in gantry robots
· plasma and water jet cutting machines
· telescopic axes, e.g. in Cartesian robots
· tool changers
· 7th axis in roboticse
· existing axes with 2 m racks in use



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WITTENSTEIN alpha GmbH · Walter-Wittenstein-Straße 1 · 97999 Igersheim · Germany
Tel. +49 7931 493-0 · info@wittenstein-alpha.com

WITTENSTEIN alpha – Intelligent drive systems
www.wittenstein-alpha.com

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