



**WE'RE NOT DEVELOPING  
STANDARDS - WE'RE  
DEVELOPING THE FUTURE.**

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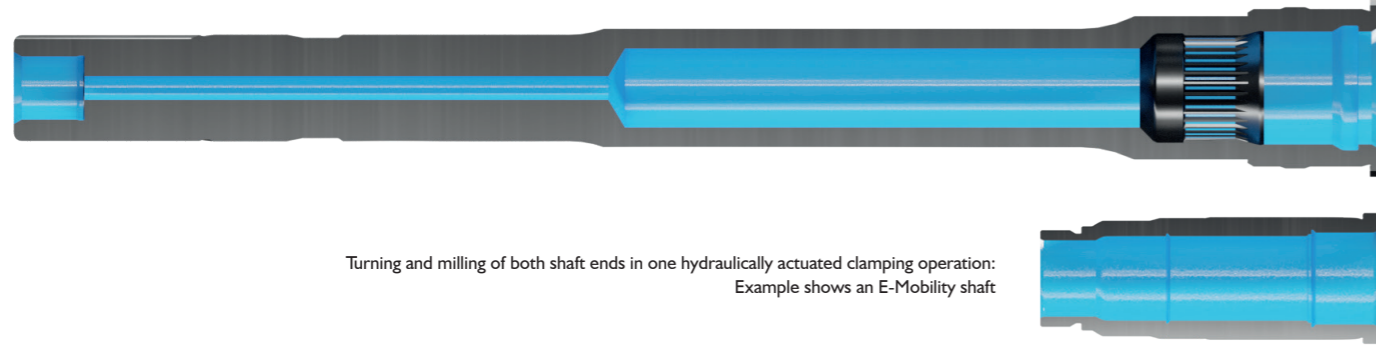
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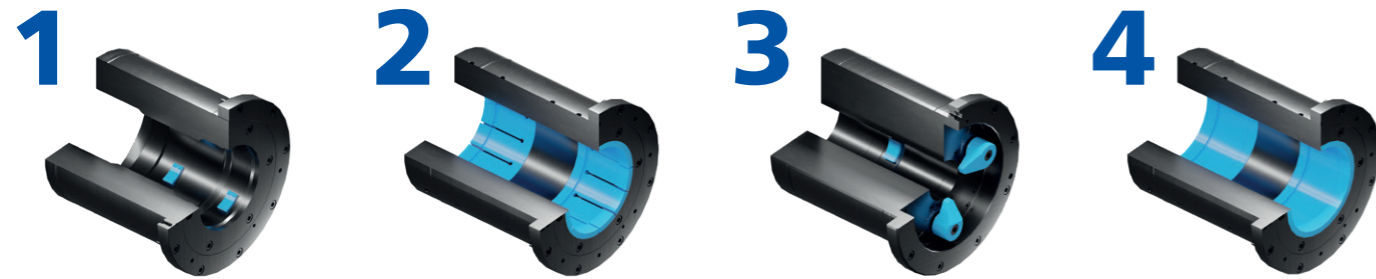
# SHAFT MACHINING 4.0

MITTENDREHSPINDEL MDS 170, MDS 230 and MDS 300: Comprehensive, flexible and highly precise processing of shafts (raw and finish machining) in one hydraulically actuated clamping operation – with or without workpiece stop in horizontal as well as vertical spindle set up.



Turning and milling of both shaft ends in one hydraulically actuated clamping operation:  
Example shows an E-Mobility shaft

- hydraulically actuated with a system pressure of 70 bar
- max. rotational speed of 3.000 1/min
- max. torque of 250 Nm and max. axial force of 600 daN
- integrated rotary encoder for radial positioning
- flexibly exchangeable clamping technique
- spindle cooling & temperature as well as stroke monitoring



## Gleitbackenspannfutter

**Clamping range** exchangeable, up to Ø 75 mm

**Clamping zones** centering in one or two zones with jaws

**Weight** 24 kg

Included pre-centering for an optimal loading of shafts

## Spannzangenfutter

**Clamping range** exchangeable, up to Ø 100 mm

**Clamping zones** centering in one or two zones with collets

**Weight** 23 kg

Included pre-centering for an optimal loading of shafts

## Zentrier- & Planspannfutter

**Clamping range** exchangeable, up to Ø 60 mm

**Clamping zones** centering and planeclamping

**Weight** 25 kg

Included pre-centering for an optimal loading of shafts

## Hydrodehnspannfutter

**Clamping range** exchangeable, up to Ø 100 mm

**Clamping zones** centering in one or two zones with membranes

**Weight** 21 kg

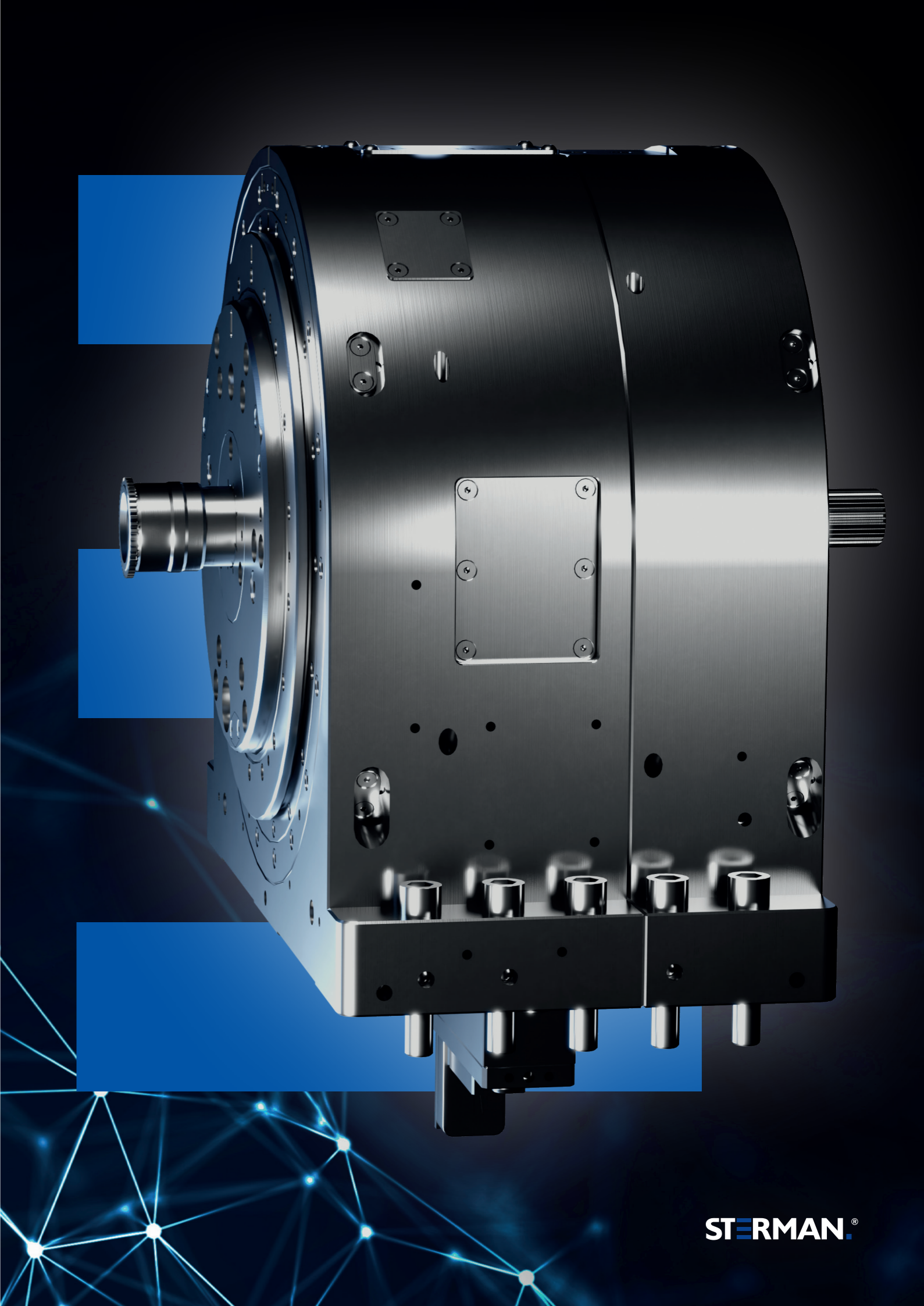
Included pre-centering for an optimal loading of shafts

Scan the QR code and go directly to the products.



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## **TOGETHER WE`RE CREATING PRODUCTION TECHNOLOGY FOR FUTURE INDUSTRIAL MANUFACTURING.**

We rank among the top quality and technology leaders in the special field of clamping technology and equip numerous renowned companies operating worldwide with highly precise, efficient and smart solutions for their production.

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