

News and Innovations 02/2026

# Vertical-bed technology for end finishing

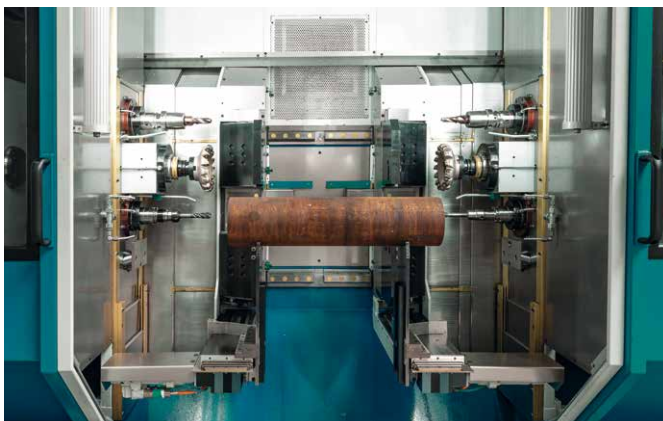
Clean guideways and linear rails.  
Reliable machining processes.



## Can the impact of chips on the machining process be specifically reduced?

Yes, thanks to our consistently designed machine concept based on a vertical-bed. The integrated machining units and clamping devices ensure unobstructed downward chip flow. Chips are discharged directly into the conveyor – without buildup and without additional intervention.

**The result:** reduced maintenance requirements, reproducible machining conditions and a consistently clean machine – even during demanding applications.



Vertical-bed capable of accommodating up to three tool spindles per side. Machining on both sides is possible.

## Your benefits at a glance:

- + Clean guideways and linear rails**  
No chip buildup on sensitive components
- + High machine uptime**  
Less downtime due to reduced cleaning and maintenance requirements
- + Consistent machining quality**  
Reproducible results thanks to clean conditions
- + Clean processes**  
Consistent chip removal even with reduced coolant flow
- + Reduced wear**  
Longer service life of guides and linear systems
- + Optimized cycle times**  
No interruptions due to chip buildup
- + Lower operating costs**  
Less maintenance, fewer interventions, higher productivity
- + Customizable**  
The modular system enables customized plant solutions – tailored to components, processes and the level of automation

**For users who expect more than the standard**

Standard solutions quickly reach their limits when processes become more specialized, production volumes more variable, or requirements more complex.

This is exactly where we come in: Our End processing machines and centers are not off-the-shelf products, but are consistently designed for your specific application. The modular machine concept allows machining processes, clamping technology and automation to be precisely coordinated – for a solution that integrates seamlessly into your production and grows with your requirements over the long term.

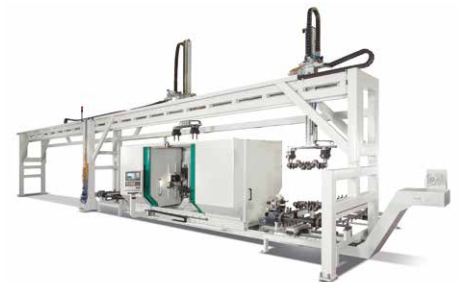
**The ENDURO machine series:**



**ENDURO V 400**  
End processing machine for the double-sided machining of steel bars



**ENDURO V 500**  
End processing machines and end processing centers in a vertical-bed design for machining diameters from 10–150 mm



**ENDURO V 800**  
End processing machines and end processing centers in a vertical-bed design for machining diameters from 20–400 mm

**Pütz Group – a strong association of specialists.**  
Our network of experts optimizes your production for maximum efficiency.



*Your project is our motivation.*

*We look forward to receiving your inquiry!*

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