



**HIRSCHEIDER**  
ENDFINISHING MACHINES AND CENTERS



## Fully automatic Enduro V 500 and V 800 end processing systems

**We make the processing of large series or heavy, long workpieces easier for you**

Our machines and systems from the V 500 and V 800 series are characterised by a modular structure. They are based on a vertical bed on which the processing units and clamping fixtures hang inside the workspace. Therefore, machining chips fall unhindered onto the underlying chip conveyor.



Enduro V 500 – 1800 x 33 NC

### Your advantages:

- + Optional choice between manual and automated loading** for large series or heavy / long workpieces by robots / portal / timed conveyors as well as connections to upstream / downstream conveyor / buffer sections.
- + Chips fall unhindered and freely** onto the underlying chip conveyor. The guide and linear rails are **always** kept free of chips.

- + Time savings**  
Processing operations, such as milling, drilling, centring and thread cutting, are carried out on both sides, **in one work cycle and without manual intervention.** As standard, up to 3 tool spindles are implemented per side. However, special requests are possible at any time.

### WORKPIECE DIMENSIONS:

Diameter: 10 – 400 mm  
Length: 80 – 12,000 mm



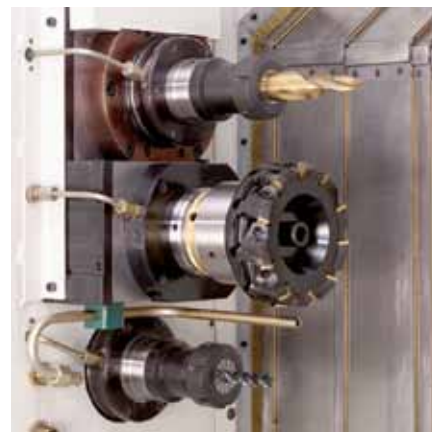
## Enduro V 500 and V 800

### For processing:

- Hydraulic cylinder tubes
- Transmission shafts
- Camshafts
- Toothed racks
- Crankshafts
- and much more ...



Representation of the loading and unloading conveyor section



Up to 3 work spindles as standard

## EVERYTHING FROM A SINGLE SOURCE

Thanks to our integration into the **PÜTZ GROUP** and the resulting **synergy effects** we are able to offer you not only end processing machines and centres but also the appropriate testing technology to test surfaces and dimensional accuracy and completeness.

### Good reasons for HIRSCHEIDER ...

With more than 35 years of experience in machine tool construction we are experts in special design solutions with a high degree of automation.

**We look forward  
to hearing from you!**

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