



UFlex: Twist-free hard turning Joint pieces

- › Hart-Drallarme Bearbeitung in einer Spannung
- › Drallarme Bearbeitung von Radialwellendichtringsitz mit Rundheit $\leq 3\mu$
- › Boden-Bodenzeit von 30 Sek.
- › Große Y-Achse von $\pm 40\text{mm}$
- › Optisches Messen mit automatischer Werkzeugkorrektur





Control production flexibly and quickly

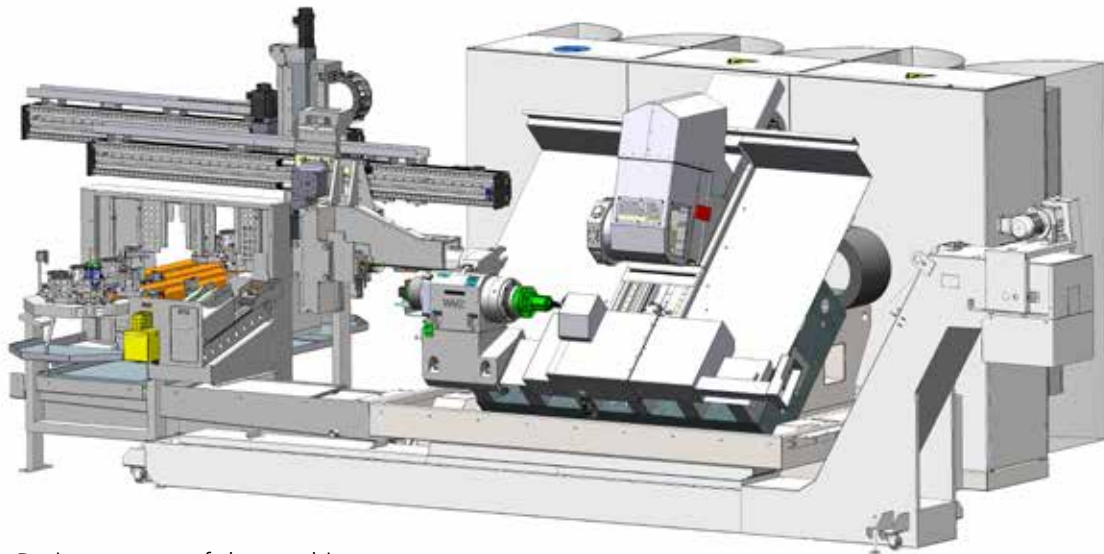
The machine is equipped with a workpiece spindle, tailstock and turret with Y-axis.

The workpieces are loaded and unloaded with the Uload automation. Due to the double gripper, an immediate blank-finished part change is performed at each transfer.

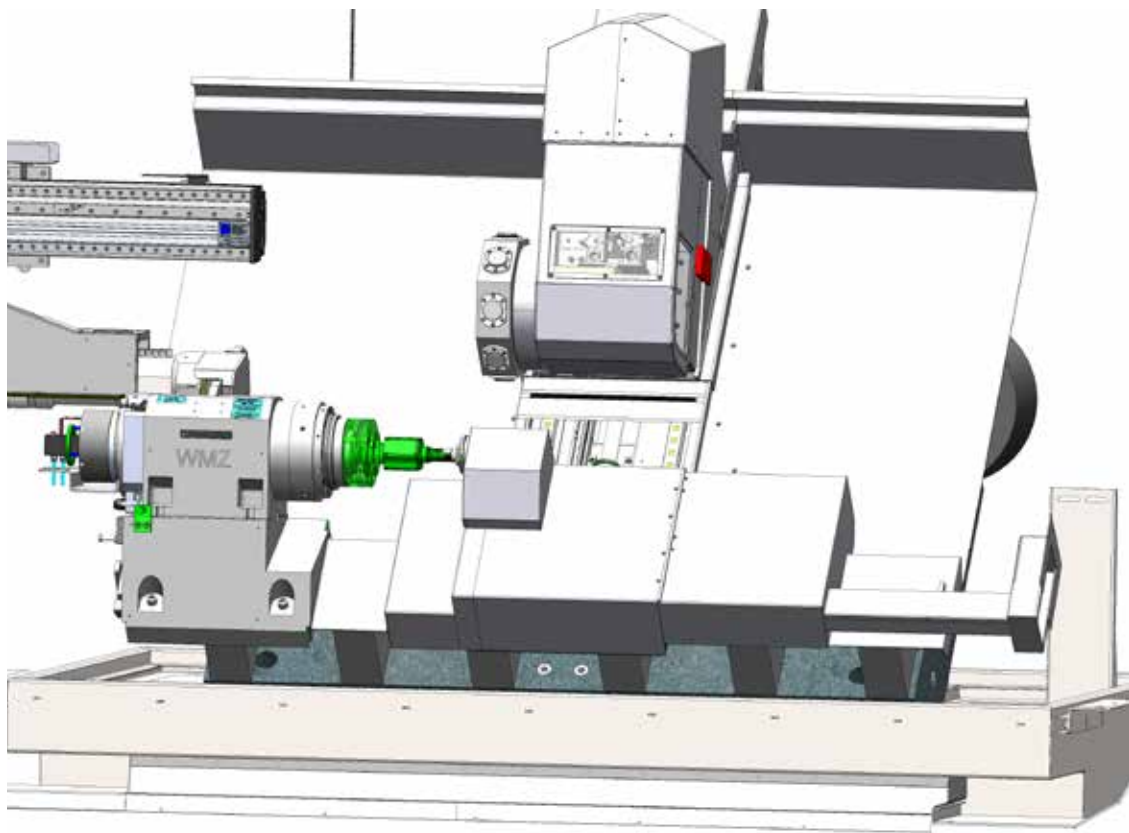
The workpiece is hard turned and a twist-free diameter is created by the integrated Y-axis. After chipping, the loader places the workpiece in the optical measuring device. There the workpiece is measured. The measured value is returned to the machine for correction.

Max. Workpiece dimensions for this machine

Length [mm]	min. 50 / max. 800
Diameter [mm]	min. 10 / max. 200
Weight [kg]	1,5
Cycle [min]	0,5



Basic structure of the machine



Overall system

Features



Twist-free rotation of the sealing ring running surface with the Y-axis



Optical measurement of the workpiece

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