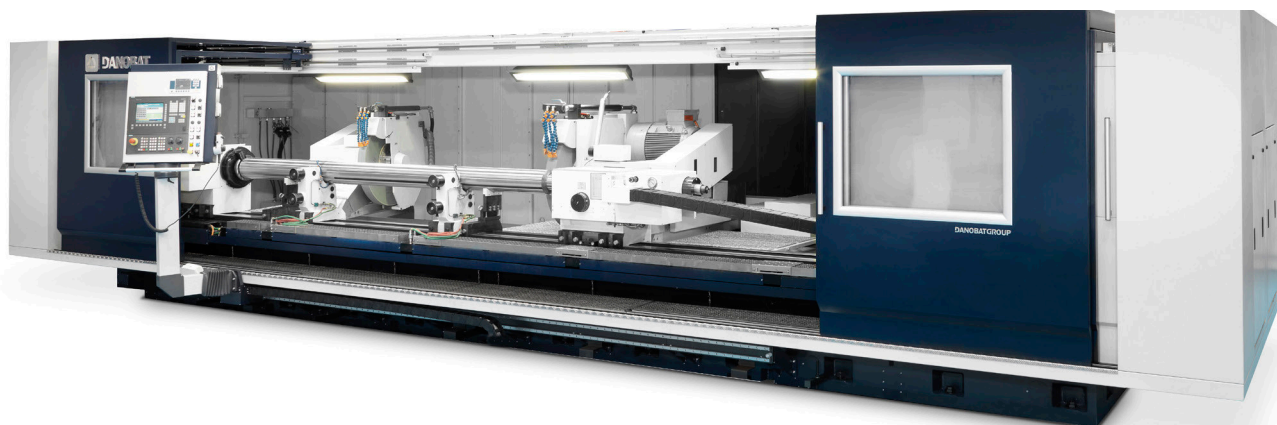




DANOBAT

WT

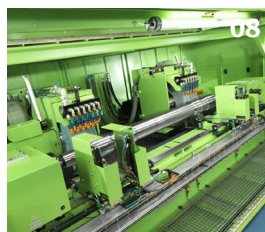
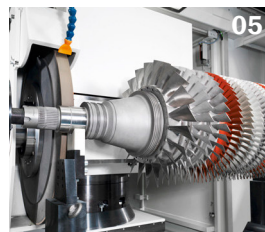
HEAVY DUTY GRINDING MACHINES



The medium and heavy duty WT grinding machine range has a cross slide configuration to optimise the machine foot print. Machine main groups like wheelhead, workhead and tailstock are designed to grind components weighing up to 8 ton and 8 meter length. Gap bed option is available for large diameter swing components.

The machine base and sub-assemblies are made of stabilized perlitic cast iron. WT grinders can be equipped with a wide range of wheelhead configurations: straight, angular and “B”-axis which is driven by an integrated torque motor. Wheels are assembled on hydrostatic bearing spindles, roller bearing or on DANOBAT designed electric-spindles. Depending on the application, corundum, CBN or diamond wheels can be utilised.

In order to obtain the maximum machine performance WT machines can be equipped with in-process measuring systems, automatic wheel balancing incorporating gap and crash, axial positioning system and taper correction system, etc.

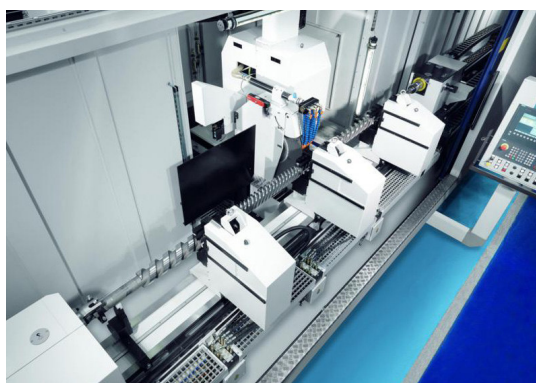
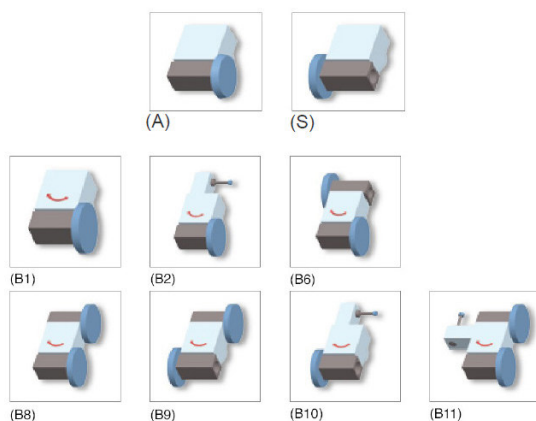


01 External grinding of rear axle | **02** External grinding of landing gear | **03** Double wheelhead grinding of spindle | **04** External grinding and measuring of energy shaft | **05** External grinding of rotor | **06** External grinding of energy shaft | **07** External grinding and MDM measuring of shaft | **08** Double wheelhead grinding of railways shaft

WT | HEAVY DUTY GRINDING MACHINES

TECHNICAL CHARACTERISTICS		WT-62	WT-72	WT-92
Distance between centres (max.)	mm (in)	2000 (78.7)	8000 (314.9)	10000 (393.6)
Diameter to be ground (max.)	mm (in)	440 (17.3)	840 (33)	1600 (63)
Weight between centres (max.)	kg (lb)	500 (1102)	1500 (3307)	5000 (11023)
Grinding wheel diameter (max.)	mm (in)	610 (24)	1060 (41.7)	1220 (48)
Wheelhead power (max.)	kW (hp)	15 (20)	45 (60)	45 (60)
Wheel peripheral speed (max.)	m/s (f/m)	45/60 (9000/12000)	45/60 (9000/12000)	45/60 (9000/12000)

MACHINE TECHNICAL DESCRIPTIONS



Rigidity, Stability & Precision

- FEM optimised frame structure
- Stress relieve tests
- Stabilised one piece pearlitic cast iron
- Coolant circulation on the machine surfaces
- Wide and strong handscraped guides

Flexible and versatile

- Modular design in the whole range
- High technology grinding processes for complex materials
- Wide range of wheelhead configuration

User oriented

- Ergonomic design
- Clean working area
- User friendly grinding software
- Compact machine: Optimised footprint

Optional Equipment

- Automatic wheel balancing systems with GAP & CRASH
- New Generation Grinding Software
- Touch system for axial location, taper & diameter measuring
- DANOBAT MDM-absolute measuring systems
- Additional contact or non contact in/post process measuring devices
- Automatic taper correction
- Two and three points steady rests, CNC controlled or manual
- "V" type supports
- Different driving systems