DANOBAT

UNIVERSAL HEAVY-DUTY GRINDING WITH CROSS-SLIDE CONFIGURATION

WT

WT UNIVERSAL HEAVY-DUTY GRINDING WITH CROSS-SLIDE CONFIGURATION

The medium and heavy duty WT grinding machine range has a cross slide coniguration 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 10000 mm 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 conigurations: 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 equiped with in-process measuring systems, automatic wheel balancing incorporating gap and crash, axial positioning system and taper correction system, etc.

WT **TECHNICAL DESCRIPTION**

TECHNICAL CHARACTERISTICS (*)		WT-72	WT-92
Distance between centres	mm	8000	10000
Diameter to be ground	mm	640	1000
Weight between centres	kg	1500	8000
Grinding wheel diameter (**)	mm	1060	1220
Wheelhead power	kW	45	45
Wheel peripheral speed	m/s	45/60	45/60

(*) Based on customers requirements, other machine capacities & configurations could be taken into account.
(**) Depends on wheelhead configuration.

Rigidity, Stability & Precision

- FEM optimised frame structure.
- Stress relieve tests.
- Stabilised one piece perlitic cast iron.
- Coolant circulation on the machine surfaces.
- Wide and strong handscrapped 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.

WT **APPLICATION**

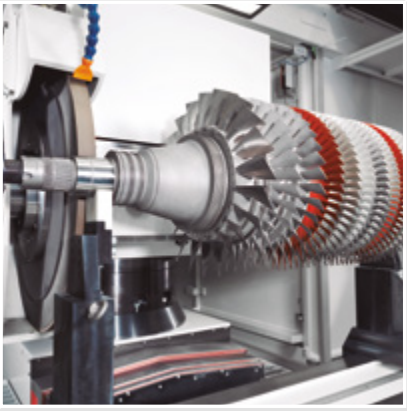
REAR AXLE

LANDING GEAR

SPINDLE

ENERGY SHAFT

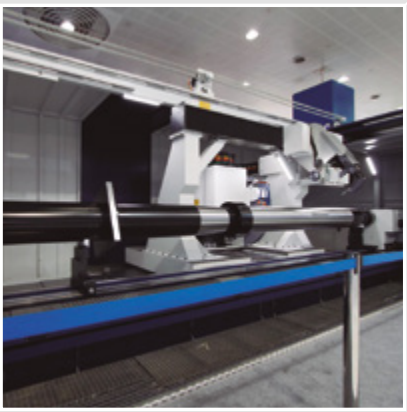
TURBINE ROTOR



ENERGY SHAFT

RAILWAYS SHAFT

SHAFT



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