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 15 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	WT-100
Distance between centres (max.)	mm	6000	8000	10000
Diameter to be ground (max.)	mm	640	1040	1250/1600
Weight between centres (max.)	kg	1500	5000	8000/15000
Grinding wheel diameter (max.) (**)	mm	1060	1250	1250
Wheelhead power (max.)	kW	45	45	45
Wheel peripheral speed (max.)	m/s	60/100	60/100	60/100

(*) Values depend on the Accesories and Tooling selected.

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

DANOBATGROUP

DANOBAT
Arriaga Kalea 21
E-20870 ELGOIBAR
Gipuzkoa · Spain

T + 34 943 748 044
danobat@danobat.com
www.danobatgroup.com