DANOBAT

Got a Challenge?

VERTICAL GRINDING AND MEASURING SOLUTION

VG

DESCRIPTION

- Made in cast iron with active closed-loop cooling system.
- Multipurpose.
- Maximised output.
- Direct drive on all axes.
- Optional ATC.
- Highly configurable.

VG. VERTICAL GRINDING AND MEASURING SOLUTION

VG RANGE	VG-600	VG-800	VG-1000	VG-1500	VG-1700
Grinding diameter	600 mm	800 mm	1000 mm	1500 mm	1700 mm
Grinding depth	600 mm	600 mm	600 mm	700/1000 mm	700/1000 mm
Table load	1000 kg	2000 kg	3000 kg	4000 kg	4000 kg
Tools	4+1*	4+1*	4+1*	4+1*	4+1*

** Measuring arm*

CORE TECHNOLOGY

Machine structure

- Made of stress-relieved pearlitic cast iron optimised with finite element calculation.

Swivelling B-axis with Hirth locking system

- Maximum rigidity, highest locking torque.
- Excellent surface finish on hard turning operations.
- Optional pneumatic locking system, positioning at any angle.

Spindles

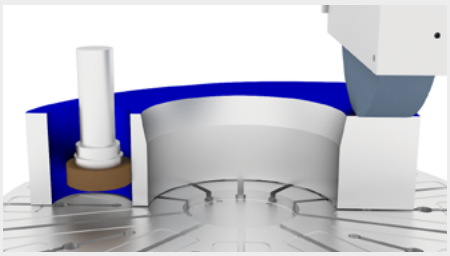
- Universal, internal and tangential precision spindles.
- Built-in motor and bearing cooling system.
- Wide range of cutting speeds, controlled automatically.

Rotary C-axis table

- High-precision or hydrostatic bearing for smooth motion and optimum surface finish.
- Stiffness, positioning accuracy, consistency and process flexibility.
- Direct torque motor drive, backlash free.

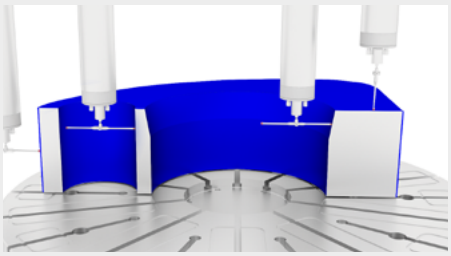
VERSATILITY

VG has been designed to a flexible turret multispindles concept to allow multiple operations in a single set up.



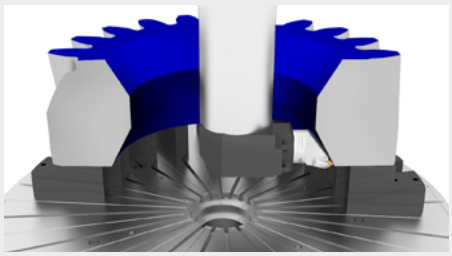
Grinding

- Outer and inner diameter grinding.
- Cylindrical and taper grinding.
- Unround grinding.
- Out-of-centre ID grinding.
- Surface grinding.



Measuring

- Measuring of all ground surfaces with touch probe.
- Interrupted measuring with radial scanner.



Turning

- Turning and hard turning.
- Outer and inner diameter turning.
- Cylindrical and taper turning.
- Surface turning.