

VERTICAL GRINDING AND MEASURING SOLUTION

VG



DESCRIPTION

- Made in cast iron with active closed-loop cooling system.
- Multipurpose.
- Maximized 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	mm	600	800	1000	1500	1700
	in	23.62	31.49	39.37	59.05	66.92
Grinding depth	mm	600	600	600	700/1000	700/1000
	in	23.62	23.62	23.62	27.56/39.37	27.56/39.37
Table load	kg	1000	2000	3000	4000	4000
	lb	2200	4400	6610	8820	8820
Tools		4+1*	4+1*	4+1*	4+1*	4+1*

*Measuring arm

CORE TECHNOLOGY



Machine structure

- Made of stress-relieved pearlitic cast iron optimized 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.

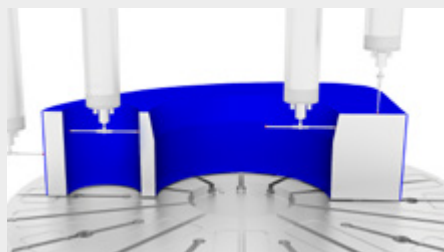
VERSATILITY

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



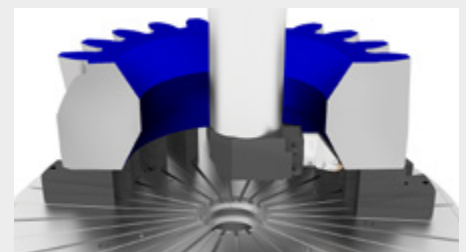
Grinding

- Outer and inner diameter grinding.
- Cylindrical and taper grinding.
- Unround grinding.
- Out-of-center 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.

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