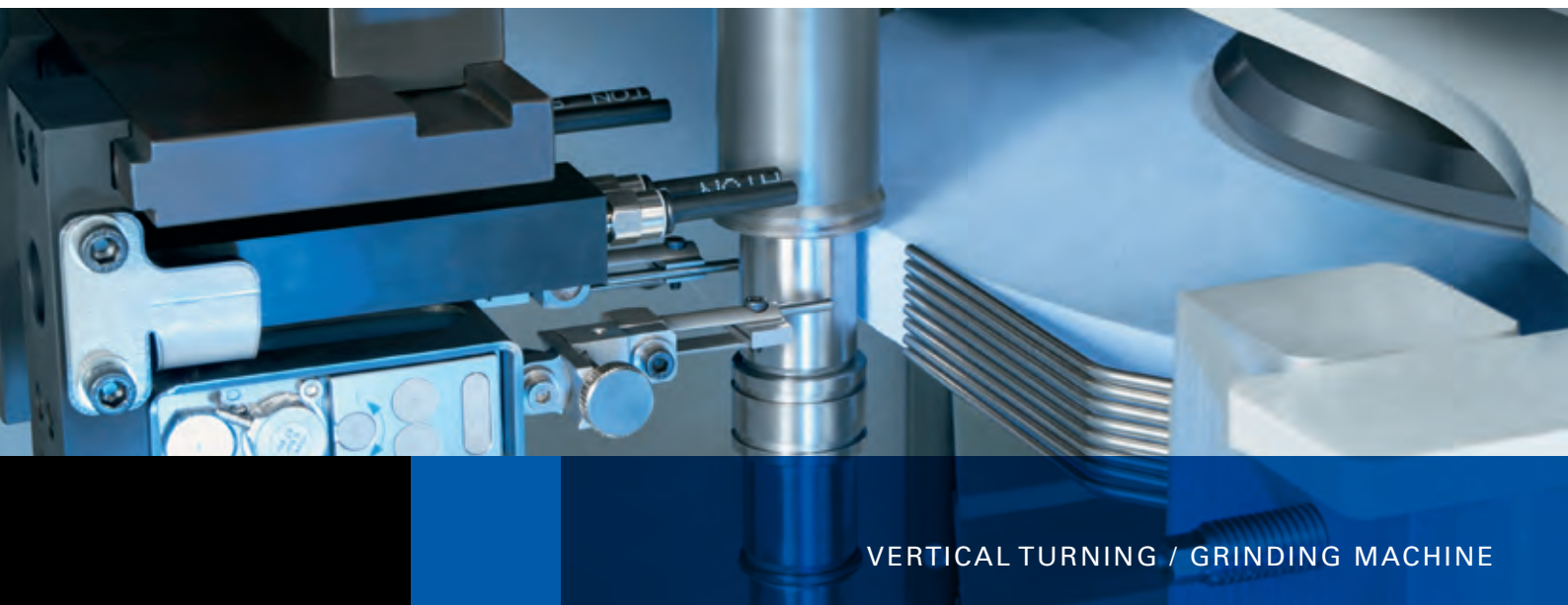


VTC 100 GT



VERTICAL TURNING / GRINDING MACHINE

think

VERTICAL



THE BENEFITS

- 1 All hard machining processes on a single machine: CBN grinding, hard turning and scroll-free turning
- 2 Integrated loading and unloading: the EMAG tool turret reduces automation and peripheral costs. Raw and finished parts storage areas form an integral part of the machine

Vertical Turning / Grinding Machine for Shafts – VTC 100 GT

All-round solutions for shafts: the VTC 100 GT ensures a quick process for hard turning and grinding. The tool turret completes all turning operations, while the grinding then starts at the second station. And that means: the VTC 100 GT is the perfect production tool for the complete machining of e.g. cylindrical bearing seats, shoulders and grooves in a single clamping operation. True running errors from separate clamping operations are drastically reduced.



VTC 100 GT



- 3 Complete hard machining of shafts, thus eliminating clamping errors
- 4 Ideal chip flow conditions thanks to vertical design
- 5 Smaller footprint due to compact, vertical design
- 6 Short tooling and re-tooling times thanks to excellent accessibility and ease of operation

TECHNICAL DATA

Chuck diameter, max.	mm inch	160 6.5
Workpiece diameter, max.	mm inch	100 4
Workpiece length, max.	mm inch	400 16
Spindle nose – quill distance	mm inch	747.5 29.5
X-axis travel	mm inch	340 13.5
Z-axis travel	mm inch	660 26
Main spindle		
» Power rating, 40% / 100%	kW hp	17 / 11.5 23 / 15
» Torque 40% / 100%	Nm ft-lb	70 / 48 52 / 35
» Speed, max.	rpm	6,000
Turret tool stations	Quantity (1 x Gripper)	12
Grinding wheel diameter, max.	mm inch	500 20
Grinding wheel width, max.	mm inch	80 3
Number of revolutions of driven tools	rpm	12,000
Torque of driven tools, 30% / 100%	Nm ft-lb	30 / 16 22 / 12



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