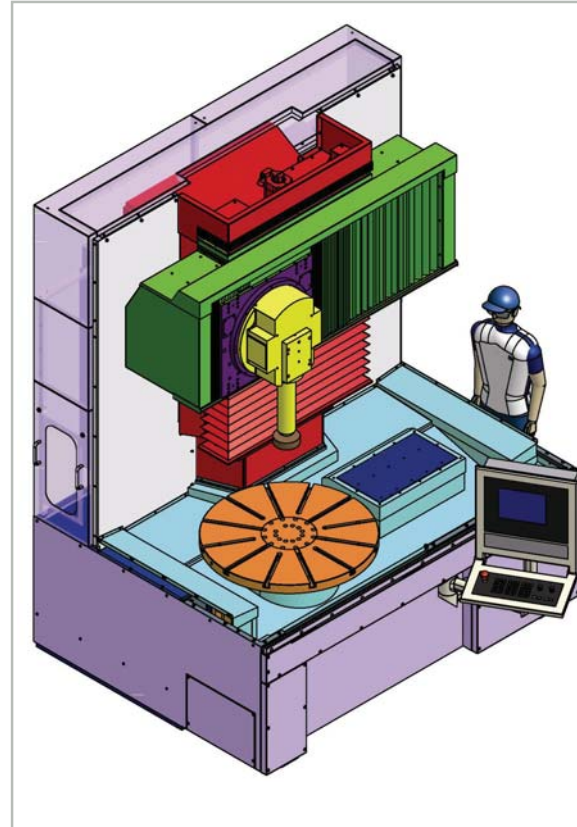
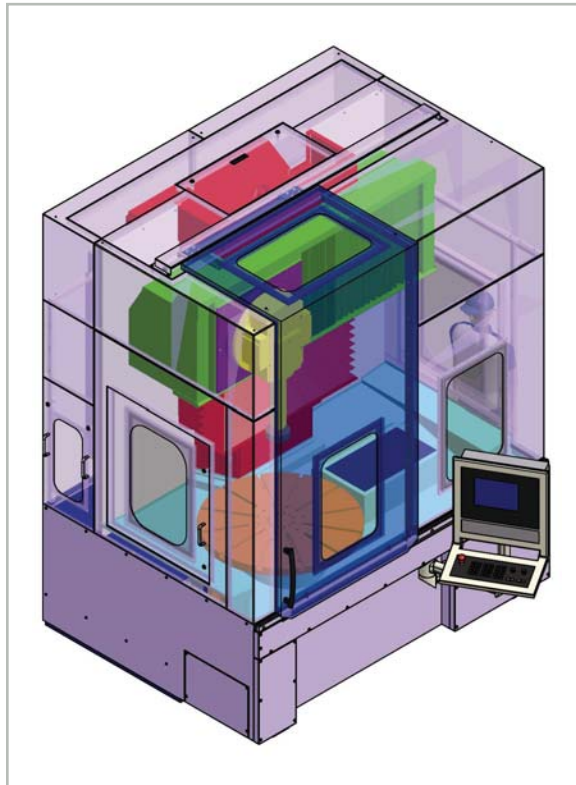




1000VBG

Vertical Grinding Machine

VERTICAL GRINDING



STANDARD MACHINE SPECIFICATIONS

CNC Vertical Grinder, with cross slide for internal/external grinding of cylindrical workpieces, using a Siemens 840D CNC control with linear and circular interpolation, via B&K HMI graphic supported menu style data input with simple selection of:

- grinding process
- tool management
- part recall and process data
- inch-metric programmable, absolute and incremental
- Windows XP environment
- No CNC programming knowledge required
- HMI calculates cycle time

Actual machine W-H-L and Weight depend on ordered configuration. Technical data is subject to change without notice and may vary according to the workpiece geometry, the loading system and the workholding equipment supplied.

Technical Data - Capacities & Limits	
Work spindle maximum swing	1100 mm
Swing 430 mm above worktable	850 mm
Worktable diameter	1000 mm
A2 spindle nose - ASA standard	203.2 mm
Accuracy, run-out, caming	0.0025 mm
Grinding head nominal hole depth	450 mm
Slide travel - vertical "Z" axis	700 mm
Slide travel - horizontal "X" axis	825 mm
Right of center	800 mm
Maximum table weight for worktable	2000 kg
Slide traverse rates for X and Z axis	7500 mm/min
Slide feed rates for X and Z axis	1250 mm/min
Motor, grinding wheel spindle	7.5 KW
Weight (approximate net)	16,364 kg



1000VBG CNC Vertical Grinder

Standard Equipment	
Description	
Heavy stress relieved steel weldment base, polymer composite filled	
Heavy stress relieved steel weldment column, polymer composite filled	
Cross slide and self contained grinding head	
Vertical columns are heavy, one-piece weldment of high grade	
Precision linear roller guide ways and ball screws	
Self contained workspindle	
Automatic CNC controlled guide way and ball screw lubrication	
Coolant system, including pump, motor, piping, valves, settling tank	
Single point diamond dresser	
+/-45° Vertical Slide Swivel	
Linear scale feed on both axes	
Siemens 840D CNC Control	
HMI for standard grinding cycles	
Infinitely controlled spindle speeds via CNC	
Dry floor machine enclosure with sliding doors	
Leveling screws	
Machine enclosure light	
Paint: One standard Polane color	
Documentation	
CE compliant	
ANSI and NFPA compliant	
Manufactured in USA	
Standard Equipment Total (\$):	

Optional Equipment	
Description	Price (\$)
1000 mm Diameter work table	
CNC contouring rotary table "C" axis	
CNC rotary swivel "B" axis	
SETCO grinding spindle, motorized	
Remote pulse generator	
Chuck actuating equipment	
Barnes filtration coolant system	
Integrated RC inspection system	
Circular geometry software	
Optional roll dresser with software	
Special cam grinding software	
Contact probing of the part	
Hard turning process	
Acoustic emission sensing adaptive control	
Gap elimination	
Multiple grinding spindles, probing, hard turning HMI support	
Automatic tool changer	
Live milling/drilling tool attachments	

Optional Equipment Total (\$):

Total Cost:	
Standard Equipment Total (\$):	<input type="text"/>
Optional Equipment Total (\$):	<input type="text"/>
TOTAL (\$):	<input type="text"/>

Submit a
QUICK QUOTE Request

