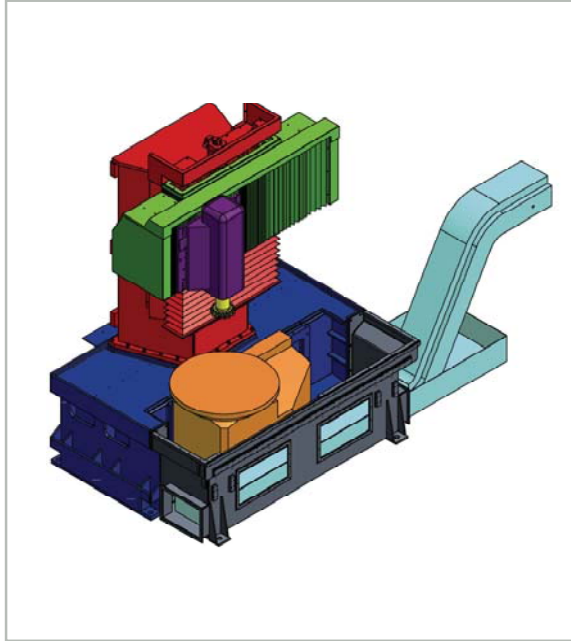
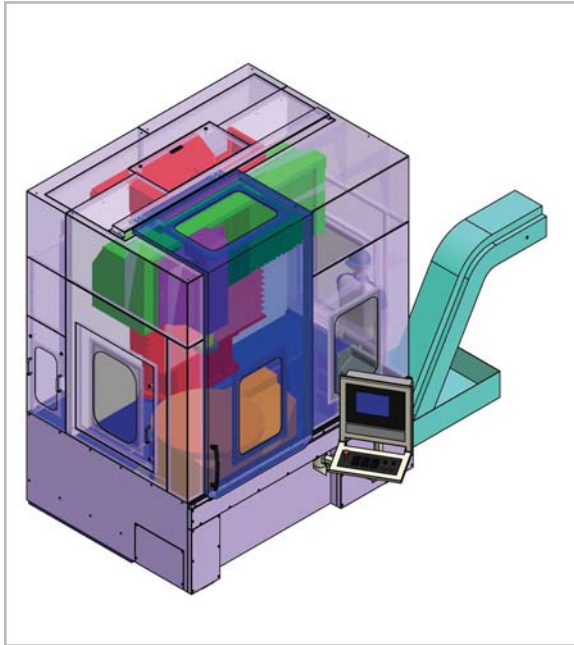




1000VBS

Gear Shaping Machine



STANDARD MACHINE SPECIFICATIONS

The Bourn & Koch 1000VBS CNC Shaper is a four (4) axes CNC stroking gear shaper with a Siemens 840D control for shaping internal and external gears.

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

Maximum Dia. Swing up to 430 mm off table	1000 mm
Maximum Dia. Swing above 430 mm off table	850 mm
Nominal PD, External	1000 mm
Nominal PD, Internal	915 mm
Maximum Face Width	200 mm
Maximum Module, Spur	8.5
Maximum Module, Helical	5
Maximum Helix Angle	45°
Worktable Diameter	800 mm
Maximum Load on Worktable	2000 Kg
Cutter Spindle Stroking Range	30-200 SPM
Cutter Spindle Diameter	127 mm
Stroking Spindle Motor Power	15 Kw
Height (approximate)	2240 mm
Length (approximate)	2090 mm
Width (approximate)	1410 mm
Weight (Approximate Net)	16,364 kg



1000VBS CNC Gear Shaping Machine

Standard Equipment	
Description	
Heavy stress relieved steel weldment base	
Heavy stress relieved steel weldment column	
Cross slide	
Vertical columns are heavy, one-piece weldment	
Self contained integral torque motor for workspindle	
Self contained integral torque motor for cutterspindle	
Automatic CNC controlled lubrication of guide ways and ball screws	
Siemens 840D CNC Control	
Programming of strokes per minute	
Programming of cutter infeed rate	
Programming of cutter infeed rate & rotary feed	
Automatic programmable stroke length	
Programming of number of cuts	
Programming of finish cut depth	
Cutter auto top positioning	
Synchronization of cutter and work spindle	
Quick truing of cutter and work spindles during setup	
HMI for programming in conversational language	
Dry floor machine enclosure with sliding door	
Leveling screws	
Work Light	
Paint: One standard Polane color	
Documentation	
CE compliant	
ANSI and NFPA compliant	
Manufactured in USA	
Standard Equipment Total (\$):	

Optional Equipment	
Description	Price (\$)
Mist collector	
Automatic magnetic chip conveyor	
Manual quick change cutter mechanism	
CNC controlled electronic guide	
Remote hand held station	
Hydraulically operated, retractable tailstock	
Part clamping cylinder	
Automatic enclosure door	
Automatic programmable stroke position	
Quick returning stroking mechanism	
Cutter adapter 1.75"	
Cutter adapter 1.25"	
Workholding fixturing	
Gear shaper cutters	
Optional Equipment Total (\$):	

Total Cost:	
Standard Equipment Total (\$):	
Optional Equipment Total (\$):	
TOTAL (\$):	

Submit a
QUICK QUOTE Request

