



MSD 1600-200

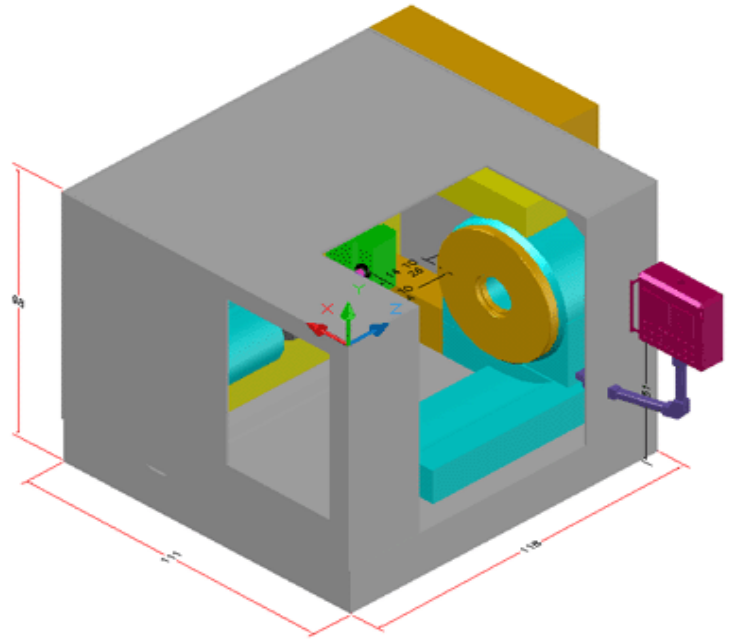
B&K Fellows CNC Double Helical/Herringbone Gear Shaper

Standard Machine Specifications

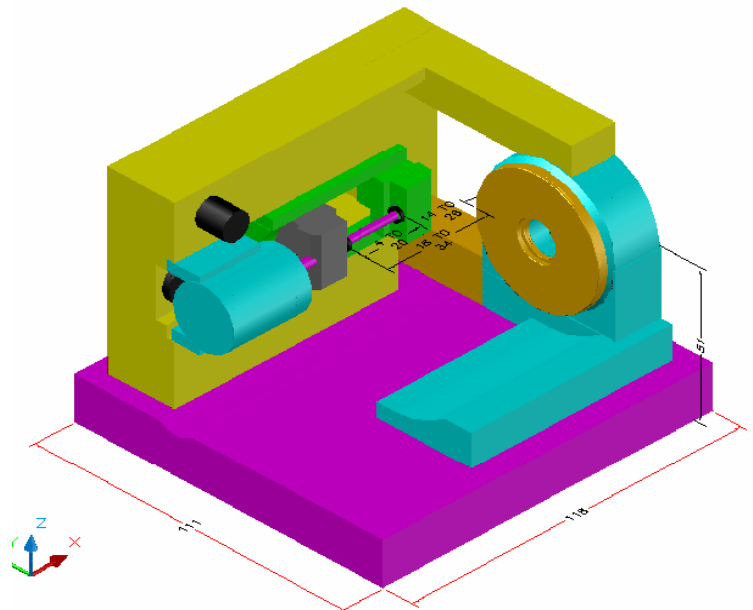
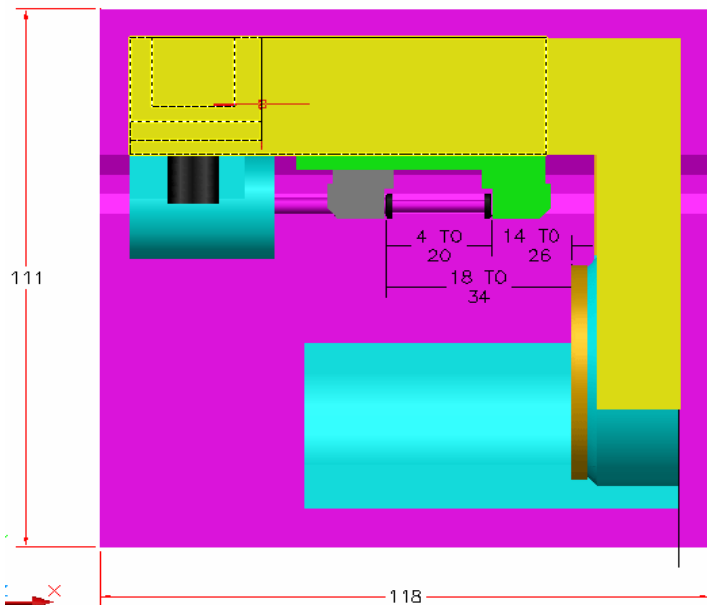
The Bourn & Koch Fellows Division CNC Double Helical/Herringbone Gear Shaper is a seven (7) axes CNC mechanical stroking gear shaper with GE Fanuc 31i control for shaping double helical and herringbone gears in a single setup.

Technical Data - Capacities & Limits

Nominal PD (external)	1600 mm
Nominal PD (internal)	1270 mm
Maximum Module	12
Maximum Face Width	200 mm
Maximum Helix Angle	40°
Cutter Spindle Stroking Range SPM	12-150
Cutter Spindle Diameter	120 mm
Worktable Diameter	1120 mm
Max. distance between cutter spindles	500 mm
Workspindle Thru Bore Diameter	254 mm
Height (Approximate)	2250 mm
Length (Approximate)	3800 mm
Width (Approximate)	3300 mm
Weight (Approximate Net)	31,751 Kg



Technical details subject to change without notice.



STANDARD EQUIPMENT

- >Base machine with Fanuc 31i CNC System
- >Hydrostatic 30° guide
- >Pendant mounted console with 15" color TFT touch screen
- >Pentium 4, XP pro, 15" color, Full Qwerty Keyboard w/Mouse
- >GFI Duplex outlet (120 V AC)
- >MPG, switchable inch/metric, programmable tool and work offsets
- >40Gb part program storage
- >Diagnostics and error prevention, descriptive error messages
- >Function controls & keypads for direct entry of gear shaping data
- >Modular hardware and software for easy expansion
- >Operator's part and tool setup menu
- >Operating timer, real time clock, total power-on elapse time
- >Seven Axes Control using AC Servo Direct Drives:
 - Electronic index drive for synchronization of cutter and work rotation
 - Stroking speed, stroke position, work spindle rotation,
 - Cutter spindle rotation, infeed speed and position, stroke length
- >Adaptive process control for optimizing chip load
- >Automatic temperature compensation of CD changes
- >Stroke positioning of cutter spindle
- >Selectable number of cuts
- >Programmable, multi-surface cutting capability
- >Programmable infeed and rotary feed
- >Servo driven backoff, Oriented Stiffness Back-Off™
- >Water cooled heat exchanger for integral liquid cooled motors
- >Lubrication system
- >Coolant system 210 liter (55.5 gal) tank, chip basket
- >Full machine enclosure
- >Documentation
- >Paint, Sherwin Williams BM 1302 Dotted Swiss Off-White
- >Cutter spindle adapter with 44.45 mm (1-3/4") nose
- >Work lamp, high intensity

OPTIONAL EQUIPMENT

- Hydrostatic helical guide 30°
- 42" discharge height chip conveyor
- Remote handheld pendant
- Work supports
- CNC controlled crowning and tapering
- Hydro-mechanical head clamp/unclamp
- Full machine enclosure with 80" door
- Integral motor cutter heads
- Automatic door open and close
- Mist collector mounted on machine enclosure
- CE specification conformance & certification
- Workholding fixturing
- Herringbone gear shaper cutters

Optional Equipment Total (\$)

Total Cost:

Standard Equipment Total (\$)

Optional Equipment Total (\$)

Total (\$):

Submit a
QUICK QUOTE Request



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