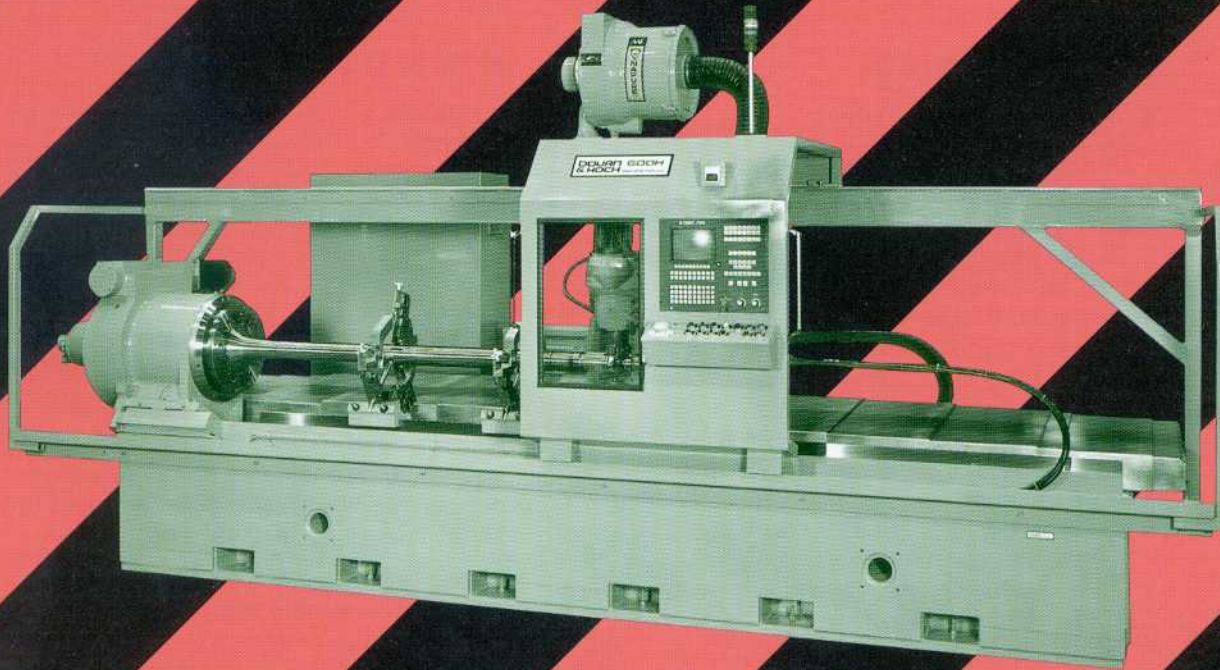


600H CNC Hobbing Machine

**BOURN
& KOCH**
MACHINE TOOL CO.



Bourn & Koch 600H Series shown above with optional CRT/sliding guard.

Specifications

Model	600H	600H - E
Distance: Workspindle Face to Tail Center		
Minimum	8.0"	same
Maximum	100.0"	148.0"
Distance: Workspindle Face to Center Line of Hob Spindle (dependent upon center distance & helix angle)		
Minimum	6.0"	same
Maximum	96.0"	138.0"
Distance: Center Line of Workspindle to Center Line of Hob Spindle		
Minimum	3.0"	same
Maximum	17.0"	same
Maximum Hobshift Travel	6.0"	same
Workspindle Dimensions:		
Overall Diameter	16.5"	same
Counterbore Diameter	9.0015/9.0010"	same
Bore Diameter	8.0"	same
Bolt Circle Diameter - (8) 5/8-11 UNC	14.0" & 10.0"	same
Index Gear, P.D.:	25.6"	same
Number of Teeth:		
Minimum	2	same
Maximum	999	same

Bourn & Koch 600H Series Hobbing Machines are available with custom automation and features not listed.

600H Series CNC Horizontal Hobbing Machines from Bourn & Koch

Standard Features

- Hob slide assembly will accommodate a 6" x 7" x 2" bore hob and allow for crowning, double cutting and radial/tangential worm gear cycles.
- The 5th axis hob shifter can be programmed from .001" to 6.000" shift and can be programmed for tapered root, constant tooth thickness spline hobbing.
- Hydraulic nut arbors provide precision hob location.
- Precision ball screws and slide surfaces which are lubricated by an automatic system.
- NUM 1060 five axis controller with conversational programming which is specifically designed for gear hobbing.
- Machines are designed for use with water soluble or oil based cutting oil.
- AGMA quality 10

Optional Features

- Programmable CNC hob swivel
- Magnetic chip separator
- Mist collector
- Part load/unload automation
- Rotary deburring

Other Products

Gear Manufacturing Machines

Hobbers and shapers
Gear deburring machines
Gear grinders
Hob and gear checkers
Hob sharpeners

Machining Centers

VTL's
Extrusion milling machines

Special Machines

Metal removal
Assembly and fabrication
Inspection
Automation

Machining Units

Self-contained drill and tapping units, 5-20 hp

Services

- Hobbers
- Shapers
- Gear grinding
- Machining centers
- Lathes
- Grinders

Retrofit

Replacement of obsolete electrical, electronic equipment and numerical controls to NMBTA, JIC and customer's specifications.

Redesigns

A customizing procedure involving revisions to original machine or tooling specifications to satisfy customer's requirements.

Rebuilds

Comprehensive program which includes complete disassembly, inspection, replacement or rebuild of worn and damaged parts, re-assembly and testing to OEM specifications.

Remanufacture

The ultimate in machine tool renovation, a complete rebuild with state-of-the-art updates in hydraulic, lubrication, electrical and mechanical assemblies. Includes many design improvements for reliability and ease of operation.

Gear Manufacture

Sub-contract gear manufacturer and inspection.

Field Service

Installation, repair, rebuild service in customer's plant as required.

Repair

Covers rework of machine components, such as heads, slides, tail stocks and/or gear boxes. Repair of hydraulic or electrical components.

Gear Seminars

Formal training at customer's plant

Gear Software

Manufacturing and inspection programs

Specifications subject to change without notice

**BOURN
& KOCH**
MACHINE TOOL CO.