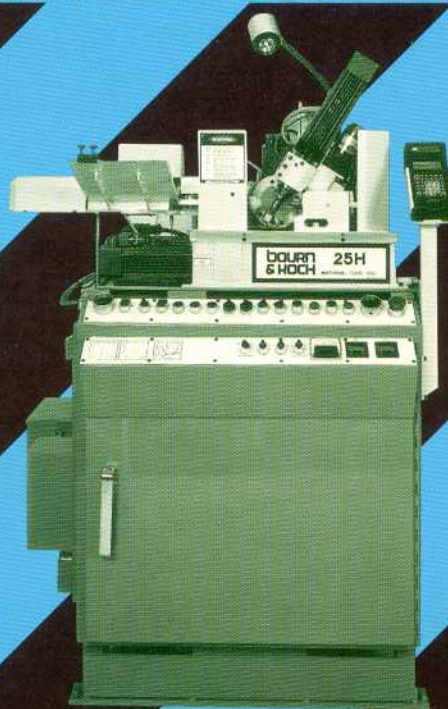


25H CNC Hobbing Machine

**BOURN
& KOCH**
MACHINE TOOL CO.



Bourn & Koch 25H Series shown above with optional part load/unload automation. Note: guards removed for illustration purposes.

Specifications

Model	25H
Distance: Workspindle Face to Tail Center	
Minimum	2.0"
Maximum	9.0"
Distance: Workspindle Face to Center Line of Hob Spindle (dependent upon center distance & helix angle)	
Minimum	2.0"
Maximum	7.0"
Distance: Center Line of Workspindle to Center Line of Hob Spindle	
Minimum	.10"
Maximum	1.6"
Maximum Hobshift Travel:	1.00"
Workspindle Dimensions:	
Overall Diameter	2.25"
Counterbore Diameter	.8130"/.8125"
Bore Diameter	.500"
Bolt Circle Diameter – (4) 10-32 UNF	1.625"
Index Gear, P.D.:	5.0"
Number of Teeth:	
Minimum	2
Maximum	999

Bourn & Koch 25H Series Hobbing Machines are available with custom automation and features not listed.

25H Series CNC Horizontal Hobbing Machines from Bourn & Koch

Standard Features

- Hob slide assembly will accommodate a 1.25" diameter x 1.50" wide hob and allow for crowning, double cutting and radial worm gear cycles.
- The hob shifter can be programmed from .001" to 1.00" shift.
- Interchangeable hob arbors provide precision hob location.
- Precision ball screws and slide surfaces which are lubricated by a grease system.
- NUM 1000H four 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.
- Maximum hob RPM is 3,000.
- Maximum work RPM is 400.
- Deburring attachment
- AGMA quality 10

Optional Features

- Part load/unload automation

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.