

BIRMINGHAM

HIGH SPEED PRECISION GAP BED LATHE



FEATURES:

- 3 HP MAIN MOTOR
- NO CHANGE GEARS REQUIRED
- 16 SPEEDS FROM 45-1,800 RPM
- D1-4 SPINDLE WITH 1 1/2" BORE
- 40 KINDS OF INCH THREADS FROM 4-112 TPI
- REMOVABLE GAP BED FOR LARGE DIAMETER WORK
- MAGNETIC CONTROLS AND SPINDLE FOOT BRAKE
- T-SLOTTED COMPOUND AND FRONT PULL-OUT CHIP TRAY
- MAIN SPINDLE HARDENED & PRECISION GROUND
- BED MADE OF FINE GRAIN HIGH TENSILE CAST IRON
- BEDWAYS INDUCTION HARDENED & PRECISION GROUND
- ALL GEARS & SHAFTS HARDENED & PRECISION GROUND
- MAIN SPINDLE SUPPORTED AT 3-POINT BY PRECISION BEARINGS

YCL-1440GH

SPECIFICATIONS

ITEM / MODEL		YCL-1440GH
CAPACITIES	Max. swing over bed	14"
	Distance between centers	40"
	Max. swing over cross slide	8 5/8"
	Max. swing in gap	20"
	Effective length in gap	6 1/4"
	Width of bed	8 1/8"
HEADSTOCK	Spindle nose (spindle mount)	D1-4
	Diameter of spindle thru bore	1 1/2"
	Spindle taper (with sleeve)	M.T. #5 (M.T. #3)
	Spindle speeds	45-1,800 RPM, 16 steps - 45, 70, 90, 108, 140, 165, 215, 255, 330, 385, 510, 585, 770, 900, 1,170, 1,800 RPM
FEEDS & THREADS	Longitudinal feeds	0.0012 - 0.0294"/REV. (40 kinds)
	Cross feeds	0.0003 - 0.01"/REV. (40 kinds)
	Inch threads	4 - 112 TPI (40 kinds)
	Metric threads	0.45 - 7.5 mm (22 kinds)
	Diameter of long. leadscrew	7/8"
	Pitch threads of long. leadscrew	8 TPI
CARRIAGE	Max. travel of cross slide	7"
	Max. travel of compound slide	4"
	Max. tool size	5/8" x 5/8"
TAILSTOCK	Diameter of tailstock quill	2 3/4"
	Taper of tailstock quill center	M.T. #3
	Max. travel of tailstock quill	4 3/4"
MOTORS	Power of main motor	3 HP, 220V, 3 phase, 2-speed
	Power of coolant pump	1/8 HP, 220V, 3 phase
	Overall dimensions (LxWxH)	72"x 31" x 49"
	Net weight (LBS) approx.	2,000

Design and specifications are subject to change without notice.

STANDARD EQUIPMENT:

- | | | |
|-----------------------------|----------------------------|---------------------------------------|
| • Follow Rest | • Coolant System | • Centers & Reducing Sleeve |
| • 12" Face Plate | • Halogen Work Light | • Tool Kit with Tools & Leveling Pads |
| • 3 3/4" Steady Rest | • Removable Gap | • Full Length Foot Brake |
| • 6" 3-jaw Chuck | • 4-way Tool Post | • Full Length Splash Guard |
| • 8" 4-jaw Chuck | • Thread Chasing Dial | • All inch/mm Dual Dials |
| • Operation & Parts Manuals | • Front Pull-out Chip Tray | • Spindle Jog Button Control |

OPTIONAL EQUIPMENT:

- 8" Drive Plate
- Taper Turning Attachment
- Quick Tool Changer
- Micro Carriage Stop
- 5-C Lever Type Collet Closer
- Digital Readout Installed
- Rotary Phase Converter

CALL 7 Days a Week

Birmingham Machines

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