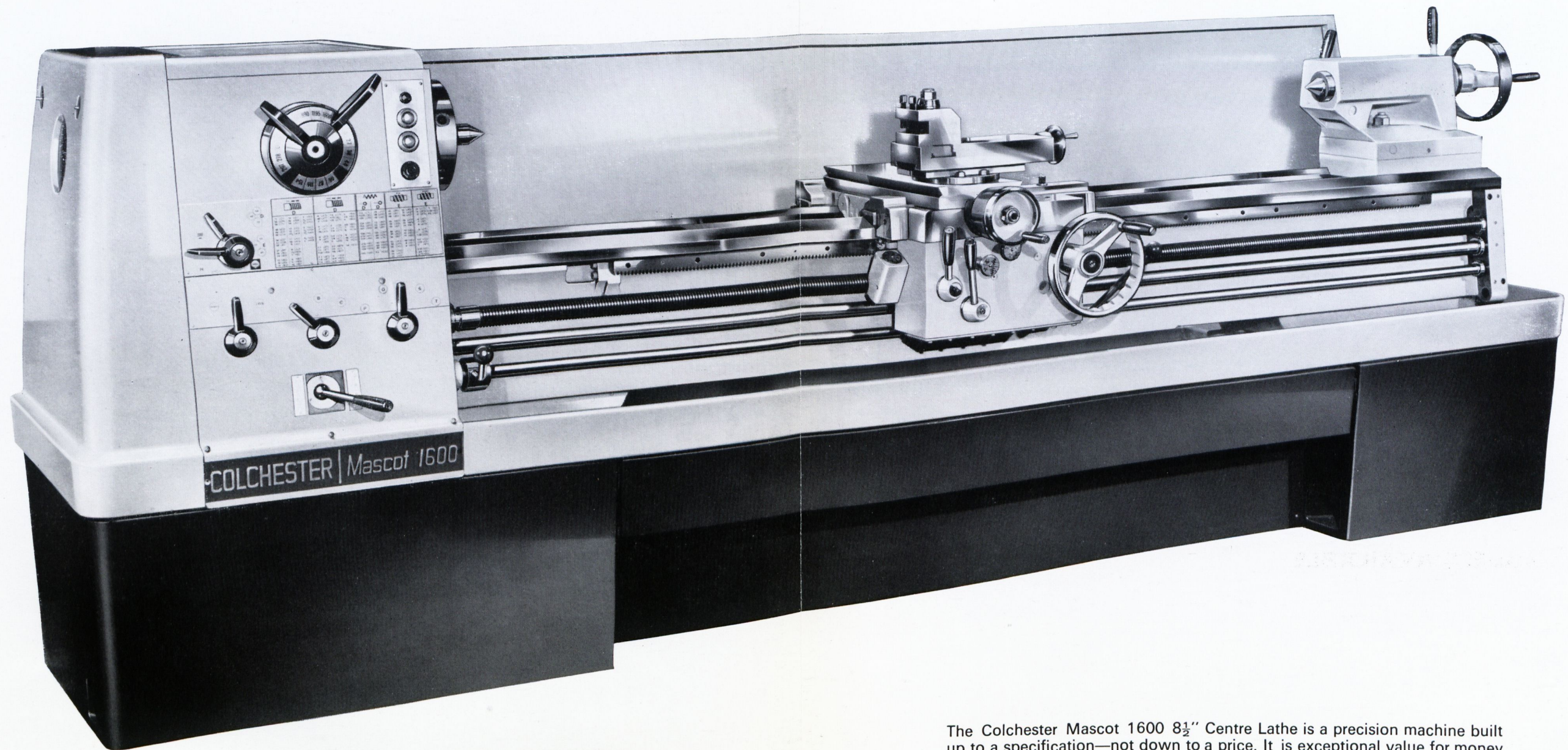




**COLCHESTER**  
**MASCOT 1600**



#### HIGH PERFORMANCE — LOW COST LATHE

- ★ **Rigid and super-accurate main spindle, mounted on Gamet Micron precision bearings. Roundness accuracy greater than 0.0001" guaranteed.**
- ★ **Headstock gears induction hardened and profile ground.**
- ★ **Bed slideways induction hardened and ground.**
- ★ **Apron control of headstock clutches.**
- ★ **8 in. D.1. Camlock spindle nose mounting.**

The Colchester Mascot 1600 8½" Centre Lathe is a precision machine built up to a specification—not down to a price. It is exceptional value for money—achieved by Colchester's unique high volume flow-line production techniques.

With a 17" swing, varying bed lengths (40", 60" and 80" between centres), universal gearbox, a range of sixteen spindle speeds (20-1600 r.p.m.), this heavy duty machine gives three-way lathe value—in precision, economy, and long life.

It is a big lathe with big lathe features. Rugged and versatile. In the Toolroom, for small batch production, maintenance, and training purposes, the Colchester Mascot 1600 has been designed to provide long life precision.\*

*The machine illustrated is the 80" between centres gap bed model (Splashguard is optional extra equipment).*

\* See overleaf for full specification



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# COLCHESTER

# MASCOT 1600

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## SPECIFICATION

Height of Centres	8½ in.	216mm	THREADS No. of Whitworth threads	38
Swing over bed	17 in.	433mm		
Swing over cross slide	10½ in.	267mm	Range of Whitworth threads	2 t.p.i.- 72 t.p.i.
GAP BED MODELS				
Swing in gap	28 in.	711mm	No. of Diametral pitches	27
Width in front of faceplate	8½ in.	216mm		
Spindle bore (max. bar dia.)	3 in.	76mm	Range of Diametral pitches	8-60 D.P.
Spindle nose mounting	8 in. D.1. Camlock			
Taper in spindle nose bush	No. 5 Morse		No. of Metric pitches	40
Taper in Tailstock barrel	No. 5 Morse		Range of „ „	0.4-14mm
Width of Bedways	13½ in.	343mm	No. of Module pitches	18
Total travel of cross slide	11 in.	279mm	Range of „ „	0.3-3.5mod.
Total travel of top slide	6 in.	152mm	FEEDS	Range of sliding feeds per rev. of spindle
Total travel of tailstock barrel	9 in.	229mm		
No. of spindle speeds	16		Range of surfacing feeds per rev. of spindle	0.002 in.- 0.032 in. 0.05- 0.80mm
Range of spindle speeds	20-1600 r.p.m.			
Overall height of machines	52 in.	1321mm	Drive	0.001 in.- 0.016 in. 0.025- 0.40mm
Motor	7½ h.p.			



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## MODELS AVAILABLE

CODE WORD	BED TYPE	DISTANCE BETWEEN CENTRES	OVERALL LENGTH OF MACHINE	OVERALL WIDTH OF MACHINE	WEIGHT
Mascot 1600 Forty-Straight	Straight	40 in.	98 in.	42 in.	4500 lb.
Mascot 1600 Forty-gap		1m	2520mm	1070mm	2040kg
Mascot 1600 Sixty-Straight	Straight	60 in.	118 in.	42 in.	4700 lb.
Mascot 1600 Sixty-Gap		1½ m	3030mm	1070mm	2130kg
Mascot 1600 Eighty-Straight	Straight	80 in.	138 in.	42 in.	5040lb.
Mascot-1600 Eighty-gap		2m	3535mm	1070mm	2290kg

## STANDARD EQUIPMENT & ACCESSORIES

**STANDARD EQUIPMENT** Slotted toolblock · Driving plate · Centre bush · Two No. 5 Morse Taper centres · Thread indicator (Not on metric machines) · Electrical equipment for standard 3 phase 50 cycle A.C. supply · Set of spanners and keys · Oil can · Instruction and spare parts manual · Accuracy chart

**ACCESSORIES** Hydraulic profiling attachment · High speed threading attachment · Telescopic taper turning attachment · Toolposts: Four-way Automatic indexing or Quick-change · Rear Toolposts: Standard or Quick-change · Chucks: 12 in. three jaw Gearing scroll or 16 in. four jaw Independent, direct on spindle mounting ductile iron chucks (Note: It is dangerous to use grey cast-iron chucks on these high speed lathes) · Stationary steady · Travelling steady · Bed stops; Single, Five-position or Micrometer type · GMT Rotating centre · Face plates: 17 in. dia. or 27 in. dia. (for gap bed lathes) · Electric coolant pump, tank and fittings · Chip guard · Chuck guard · Full length splashguard · Low volt lighting unit

Illustrations and specifications are not binding in detail.  
The designs are subject to modification and improvement without notice.

**THE COLCHESTER LATHE COMPANY LTD.**

**COLCHESTER · ESSEX · ENGLAND**

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