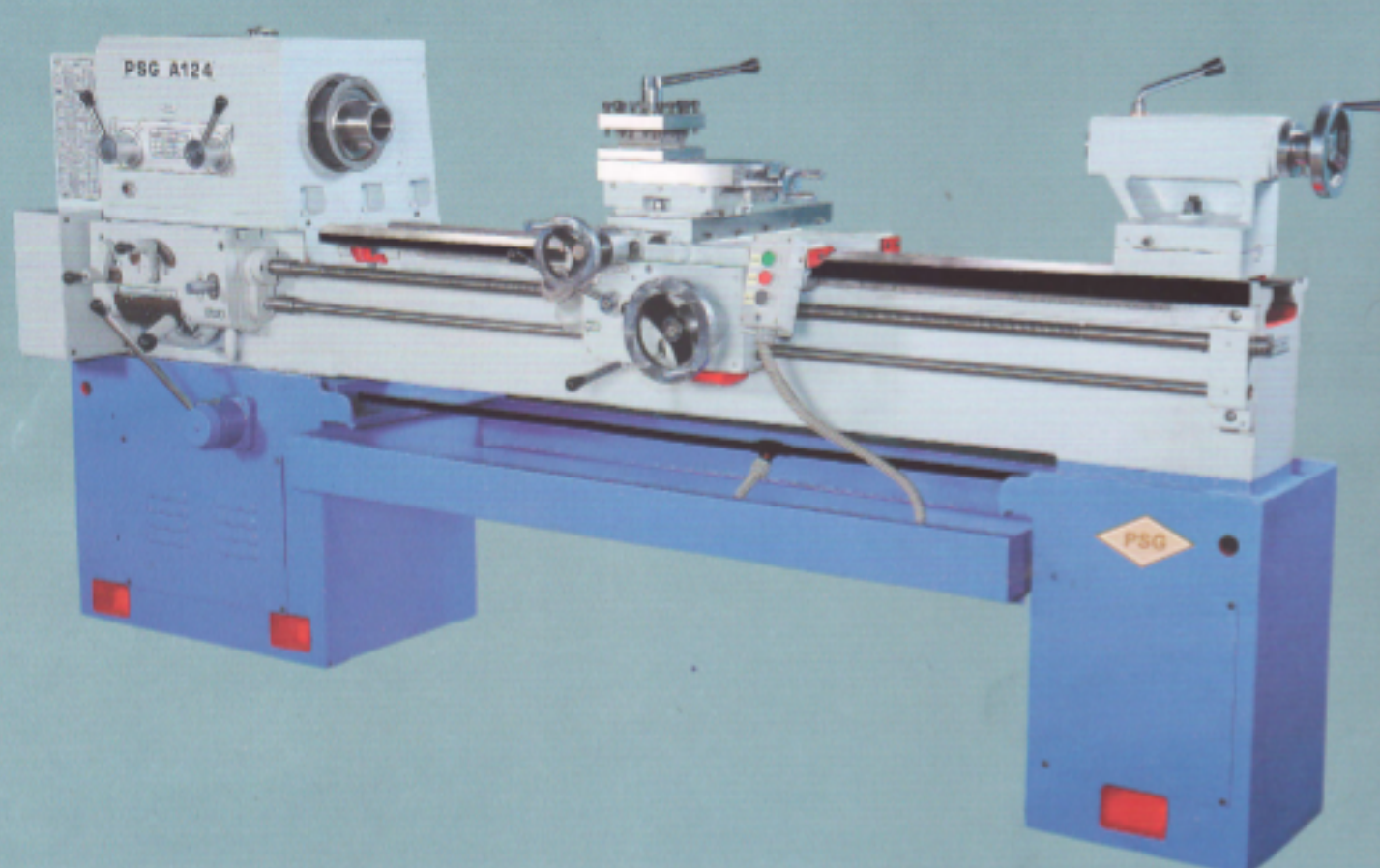




# PSG - 124 / A 124

ALL GEARED HEAVY DUTY PRECISION CENTRE LATHE



## SALIENT FEATURES

PSG 124 / A 124 type lathe is a heavy duty precision lathe renowned for its productivity in turning accurate components. Ideally suited for general engineering and other production shops, its proven design guarantees several years of trouble-free service. The main spindle runs on precision taper roller bearings. The built-in safety features ensure reliable operation. The main drive gears are made from nickel-chromium steel, hardened and precision ground. The bed guideways are also flame hardened and precision-ground. To improve productivity, attachments like hydraulic copying attachment or taper turning attachment can be fitted.

*Suitable for the  
Production of variety  
of Turned Parts*

*A machine for today's standard of precision, surface finish & production*

## PSG - 124 / A 124

### TECHNICAL DATA

#### CAPACITIES

Height of centre	210 mm
Admit between centres	1000 / 1500 mm
Swing over bed	420 mm
Swing over saddle	386 mm
Swing over crossslide	265 mm
Swing in gap	585 mm
Length of gap in front of face plate	123 mm
Width of bed	280 mm
Length of bed	2000 / 2500 mm

#### HEADSTOCK

Spindle bore	50 mm
Taper in spindle	Morse 6
Taper in centre	Morse 4
Spindle nose	American L1
Spindle speeds	8 (Std) 16 (Opt)
Spindle speed range	63 - 1250 rpm (Std) 40 - 1600 rpm (Opt)

#### FEEDS AND THREADS

Number of feeds	39
Range of longitudinal feeds	0.03 to 1.14 mm / rev.
Range of transverse feeds	0.009 to 0.33 mm / rev.
Metric threads - 26	0.5 to 8 mm
Whitworth threads - 46	64 to 2 tpi
Module threads - 21	0.25 to 4 module
Diametral pitch threads - 45	128 to 4 DP
Diameter of feed shaft	22 mm
Diameter of leadscrew	28 mm
Pitch of the leadscrew	6.35 mm

#### SLIDES

Saddle traverse	940 / 1440 mm
Crossslide traverse	160 mm
Toolslide traverse	150 mm
Maximum section of tool	20 mm x 20 mm
Apron dial graduation	0.20 mm / div.
Crossslide dial graduation	0.05 mm / div.
Toolslide dial graduation	0.05 mm / div.
Toolslide angle of rotation	90° on either side

#### TAILSTOCK

Diameter of spindle	60 mm
Spindle traverse	150 mm
Taper in spindle	Morse 4
Tailstock dial graduation	0.1 mm / div.

#### POWER

Std. Motor for main drive (for 8 speeds)	3.7 kW (5 hp), 1440 rpm, 415 V, 3 Phase, 50 Hz, AC
Opt. Motor for main drive (for 16 speeds)	1.8 / 3.7 kW, 2.5 / 5 hp, 1440 / 2880 rpm, 415 V, 3 Phase, 50 Hz, AC
Motor for coolant pump	0.075 kW (0.1 hp), 2880 rpm, 415 V, 3 phase, 50 Hz, AC, 30 Lit. / Min.

#### OVERALL DIMENSIONS AND WEIGHTS

Floor area of machine	2320 x 1030 mm / 2820 x 1030 mm
Approx. net weight	1500 / 1650 kg
Approx. gross weight	1900 / 2150 kg
Size of case	2590 x 1220 x 1575 mm / 3040 x 1220 x 1575 mm

#### STANDARD ACCESSORIES

Drive plate with a driving pin • Change gears to cut metric threads and whitworth threads and to obtain 39 longitudinal and 39 transverse feeds • Headstock and tailstock dead centres MT 4 • Centre sleeve MT 6 / MT 4 • Thread chasing dial • Four way tool post • Chip tray • Spanner • Oil gun • Instruction and spare parts manual.

#### OPTIONAL ACCESSORIES

Coolant pumpset and fittings • Machine lamp • 3 jaw self centering lathe chuck with back plate any grade 1 make • 4 jaw independent lathe chuck with back plate any grade 1 make • Change gears to cut module and diametral pitch threads • Revolving centre • Splash guard • Milling attachment for keyway milling • Spherical turning attachment • Taper turning attachment (or) Rear tool post • Steady rest • Follow rest • Face plate • Quick change tool post • Back plate for 3 jaw chuck • Back plate for 4 jaw chuck.

Specifications are subject to improvements

Manufactured by PSG Industrial Institute, a manufacturer with 7 decades of tradition. This Lathe is robustly built. It is ideally suited for general engineering and production workshops. After sales service of PSG is efficient and prompt.



**Manufactured by**  
**PSG INDUSTRIAL INSTITUTE**

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