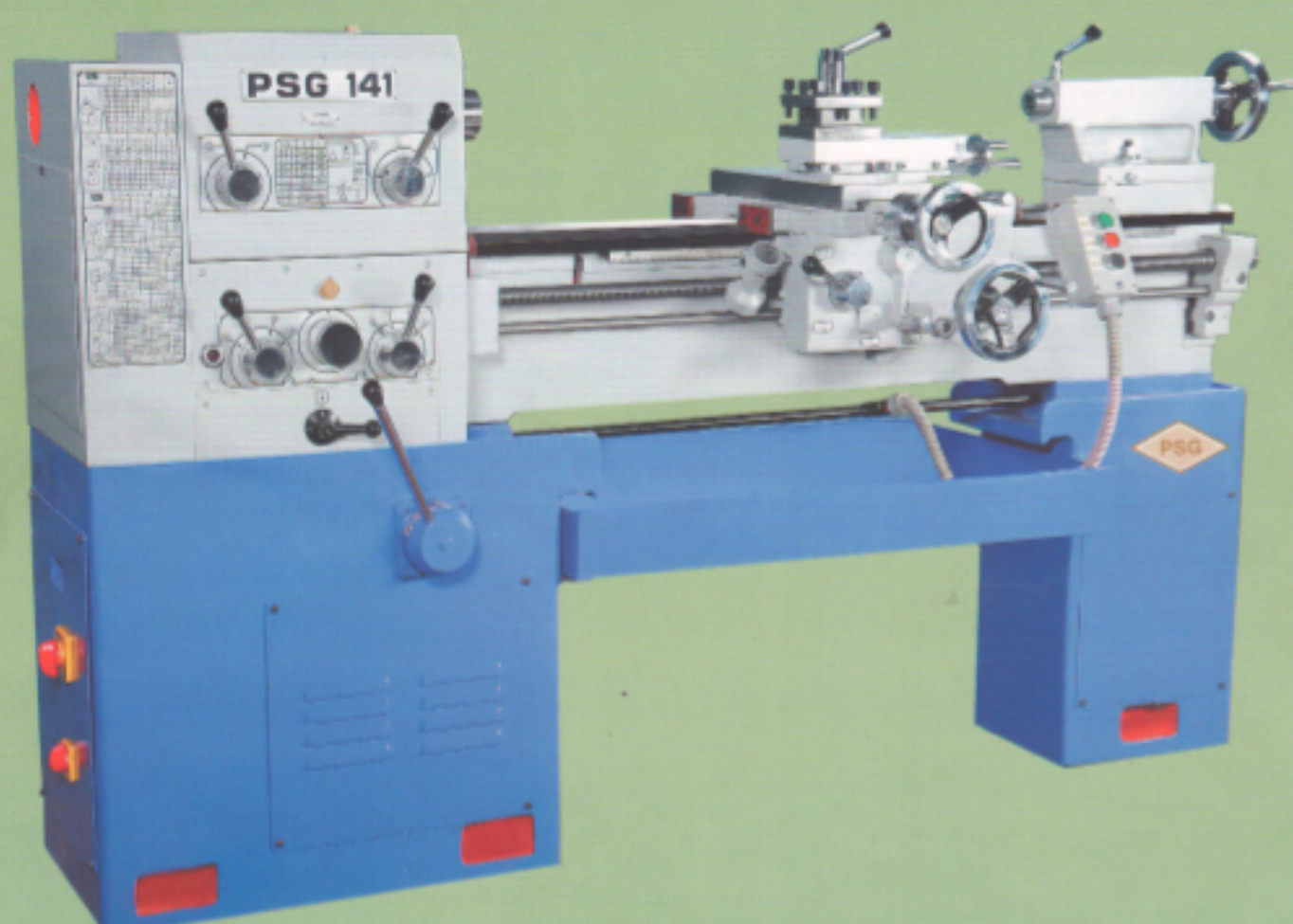




# PSG - 141 / A 141

## ALL GEARED PRECISION CENTRE LATHE



### SALIENT FEATURES

PSG 141 / A 141 is a light duty precision lathe which is renowned for its quality and performance. Ideally suited for production jobs and training purposes alike, 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.

*Suitable for the  
Production of variety  
of Turned Parts*

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

### PSG - 141 / A 141

#### TECHNICAL DATA

##### CAPACITIES

Height of centre	177.5 mm
Admit between centres	800 / 1000 mm
Swing over bed	355 mm
Swing over saddle	276 mm
Swing over cross slide	200 mm
Swing in gap	520 mm
Length of gap in front of face plate	126 mm
Width of bed	242 mm
Length of bed	1765 / 1965 mm

##### HEADSTOCK

Spindle bore	35 mm
Taper in spindle	Morse 5
Taper in centre	Morse 3
Spindle nose	American Lo
Spindle speeds	8 (std) 16 (opt)
Spindle speed range	45-1200 rpm (std) 38-1600 rpm (opt)

##### FEEDS AND THREADS

Number of feeds	30
Range of longitudinal feeds	0.05 to 3.96 mm / rev.
Range of transverse feeds	0.017 to 1.35 mm / rev.
Metric threads - 27	0.25 to 10 mm
Whitworth threads - 54	96 to 1 1/4 tpi
Module threads - 22	0.25 to 5 module
Diametral pitch threads - 54	192 to 3 1/4 DP
Diameter of feed shaft	18 mm
Diameter of leadscrew	28 mm
Pitch of the leadscrew	6 mm

##### SLIDES

Saddle traverse	800 / 950 mm
Cross slide traverse	180 mm
Tool slide traverse	108 mm
Maximum section of tool	20 mm x 20 mm
Apron dial graduation	0.20 mm / div.
Cross slide dial graduation	0.05 mm / div.
Tool slide dial graduation	0.05 mm / div.
Tool slide angle of rotation	90° on either side

##### TAILSTOCK

Diameter of spindle	45 mm
Spindle traverse	180 mm
Taper in spindle	Morse 3
Tailstock dial graduation	0.05 mm / div.

##### POWER

Std. Motor for main drive (for 8 speeds)	2.2 kW (3 hp), 1440 rpm, 415 V, 3 phase, 50 Hz, AC
Opt. Motor for main drive (for 16 speeds)	1.1/2.2 kW (1.5 / 3 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	2300 x 1000 mm / 2500 x 1000 mm
Approx. net weight	950 / 1000 kg
Approx. gross weight	1200 / 1250 kg
Size of case	2260 x 1500 x 1630 mm / 2460 x 1500 x 1630 mm

##### STANDARD ACCESSORIES

Drive plate with a driving pin • Change gears to cut metric threads and whitworth threads and to obtain 30 longitudinal and 30 transverse feeds • Headstock and tailstock dead centres MT 3 • Centre sleeve MT 5 / MT 3 • 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

Marketed by



**PSG INDUSTRIAL INSTITUTE**

AVINASHI ROAD, PEELAMEDU, COIMBATORE 641 004, INDIA

Phone : 91 422 4344139, 2572265 Fax : 91 422 2573833

E.mail : mktg@psgmachinetools.org Web : psgmachinetools.org