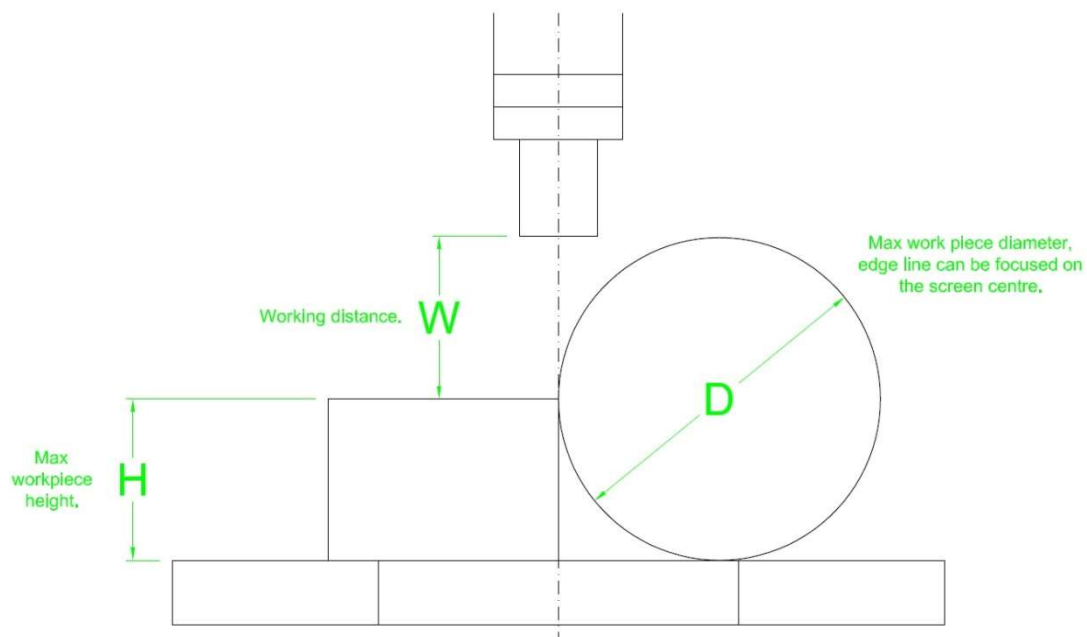


Technical Specification

	SM300
X & Y Measuring Range	150mm (6") x 50mm (2")
Workstage Area	412mm (16") x 260mm (10.5")
Screen Size	300mm (11.8") - <i>Rotating</i>
Max Work Piece Load	25 Kg
Drive Type	Manual
Image	Erect, and reversed
Optics/Lens Magnification	x10, x20, x50, x100 <i>high mag condenser required for x50 and x100</i>
Scale Resolution	0.0005mm
Accuracy	2.5 + L/80 μ m
Maximum Permissible Error	2.5 + 150 (L) / 80 = 4.375 μ m
Light Source	Profile 12v 100w lamp - <i>Tugsten Halogen</i> Surface 12v 100w lamp - <i>Twin adjustable fibre optics</i>
Magnification Accuracy	Profile 0.05% Surface 0.1%
Helix Adjustment	$\pm 7^\circ$ by light source alignment
Options	

Lens Working Capacity - mm (inches)

Magnification	X10	X20	X50	X100
Field of View	30 (1.18)	15 (0.59)	6 (0.24)	3 (0.12)
Working Distance	77.7 (3.06)	44.3 (1.74)	24.5 (0.96)	25.3 (1)
Max Work Diameter <i>(Full Field)</i>	160(2.3)	130 (5.1)	55 (2.65)	60 (2.36)
Maximum Work Piece Height	80 (3.15)			



Physical and Environmental Specifications/Requirements

Electrical Supply Voltage –

- 13A(Max) 220/240v 50Hz or 110v 60Hz single phase

Operating Environment –

- Site Location should be clean and dry.

Site access –

- Standard door access 800mm(w)

Machine footprint –

- As per drawing below
- If the Cabinet stand is ordered then the foot print is 800mm x 500mm (Plus the work station)

Operating temperature –

- 0 – 40 °C

Temperature specification range –

- 16 – 26 °C

Humidity –

- 30 – 80% non – condensing

Machine Weight –

- 130 kg (without ancillaries)

Packed weight and dimensions –

- Machine: 160 kg & 980 X 760 X 1260 mm
- Stand: 45 kg & 1040 x 650 x 950 mm

Machine Dimensions, with DRO

