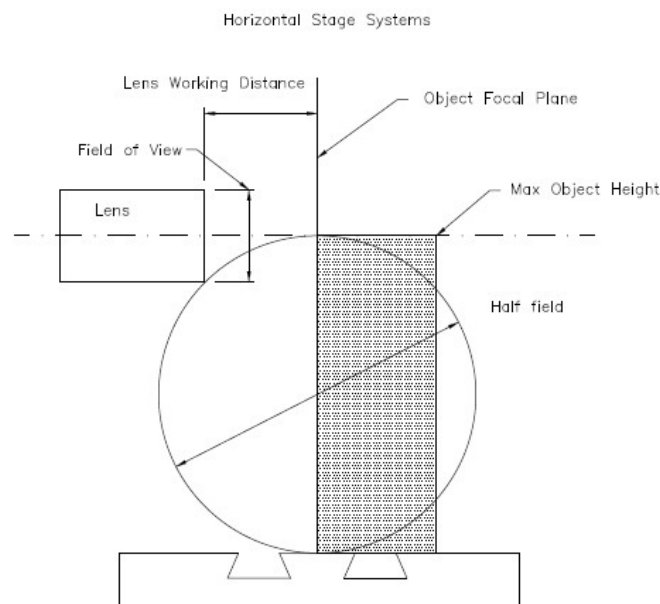


Technical Specification

	R400
X & Y Measuring Range	300mm (12") x 150mm (6")
Focus Range (Z axis)	60mm (2.36")
Workstage Area	480mm (19") x 127mm (5")
Screen Size	400mm (16") - <i>Rotating</i>
Max Work Piece Load	15 Kg
Drive Type X axis (horizontal)	Manual plain rod drive with rapid traverse and fine adjustment
Drive Type Y axis (vertical)	Manual leadscrew and nut 1.4mm travel / rev
Image	Erect, reversed left to right
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/80µm
Maximum Permissible Error	2.5 + 300 (L) / 80 = 6.25 µm
Light Source	Profile: LED, 24vDC, 20W, 500mA with green filter Surface: 12v 100w lamp - <i>Twin adjustable fibre optics</i>
Magnification Accuracy	Profile 0.05% Surface 0.1%
Helix Adjustment	± 7° by light source alignment

Lens Working Capacity - mm (inches)

Magnification	X10	X20	X50	X100
Field of View	40 (1.57")	20 (0.78")	8 (0.31")	4 (0.15")
Working Distance	101.5 (4.00")	92.5 (3.64")	62.5 (2.46")	32.5 (1.27")
Max Work Diameter (Half Field)	180 (7.08")	180 (7.08")	180 (7.08")	72 (2.83")
Max Work Piece Height	180 (7.08")			



Physical and Environmental Specifications/Requirements

Electrical Supply Voltage –

- 13A(Max) 220/240v 50Hz or 110v 60Hz single phase (For the FT2-E, Baty recommends a UPS is only required where the power supply fluctuates or is prone to disruption)

Operating Environment –

- Site Location should be clean and dry

Site access –

- Standard door access 800mm(w)

Machine footprint –

- As per attached 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

Paint Colours –

- RAL 7035 light grey and RAL 9005 jet black

Machine Weight –

- 133 Kg (without ancillaries)

Packed weight and dimensions –

- Machine: 177 Kg - 1210 X 820 X 1470 mm
- Stand: 45 Kg - 1040 x 680 x 950 mm

Machine Dimensions, with DRO

