

### HT 400 - TECHNICAL DATA SHEET

	DESCRIPTION	PACKAGE MODEL – HT 400
	SCREEN SIZE	<b>400mm</b> - Frameless Screen & with Fine Cross Hair Line
MACHINE DYNAMICS	WORK STAGE BASE	Satin Chrome Plated – Hardened Steel Base
	MEASURING RANGE (X&Y)	<b>300 x 150mm</b>
	LINEAR RESOLUTION	<b>0.001mm</b>
	WORK STAGE DIMENSION	<b>450 (L) x 170(W)mm</b>
	ANGULAR RESOLUTION	1 Minute / 0.01 degree
	MAGNIFICATION DEVICE	10X Lens (3 Lens Mount)
	VIEW FIELD	<40mm for 10X Lens
	ILLUMINATION STRUCTURE	<ul style="list-style-type: none"> <li>• Profile &amp; Surface Illumination</li> <li>• Stepless intensity variation</li> <li>• Dim &amp; Bright Regulator</li> <li>• Fluorescent Color Bulb (with UV Green Filter)</li> </ul>
	MEASUREMENT ACCURACY	<ul style="list-style-type: none"> <li>• 3.5 μm+L/55 μm (L in mm)</li> </ul>
	ILLUMINATION ACCURACY	<ul style="list-style-type: none"> <li>• Profile : 0.05% / Surface : 0.075%</li> </ul>
	POWER	<ul style="list-style-type: none"> <li>• 850 Watts</li> </ul>
	MACHINE WEIGHT	<ul style="list-style-type: none"> <li>• 180 kg (approx)</li> </ul>
	STANDARD ACCESSORY	<ul style="list-style-type: none"> <li>• Modulated Pedestal Stand - for easy view of screen</li> </ul>
DATA PROCESSOR	2D – MULTI FUNCTION DIGITAL DATA PROCESSOR (ELECTRONICA, EL-500)	<ul style="list-style-type: none"> <li>• Measure, Preset and Construct elements</li> <li>• Line, Circle, Angle, distance, rectangle</li> <li>• Axis Skew function</li> <li>• Polar &amp; Cartesian Co-ordinate system</li> <li>• Data Storage (Permanent &amp; Temporary)</li> <li>• Error Compensation Facility on Calibration</li> </ul>
CERTIFICATION	PRODUCT CERTIFICATION ON ACCURACY	<ul style="list-style-type: none"> <li>• Certification by Metric's NABL Accredited Calibration Laboratory by using PYSER – SGI, UK make Calibration masters such as Linear Glass Scales and Angular Glass Scales traceable to National Standards.</li> <li>• Calibration Performed on                             <ul style="list-style-type: none"> <li>➢ Linear Axes Accuracy</li> <li>➢ 0 – 360-degree Angular Accuracy</li> <li>➢ Quadrant wise Magnification Accuracy.</li> </ul> </li> </ul>



MODEL HT 400



MAGNIFICATION LENS



DATA PROCESSOR EL500



NABL Accreditation  
Certificate No : C-0570