

### HT 600 - TECHNICAL DATA SHEET

	DESCRIPTION	PACKAGE MODEL – HT 600 [FLOOR MOUNTED]
	SCREEN SIZE	600mm - Frameless Screen & with Fine Cross Hair Line
MACHINE DYNAMICS	WORK STAGE BASE	Satin Chrome Plated – Hardened Steel Base
	WORK STAGE SIZE	<b>600 x 240mm</b>
	MEASURING STROKE (X&Y )	<b>400 x 250mm [Motorized]</b>
	LINEAR RESOLUTION	<b>0.001mm</b>
	ANGULAR RESOLUTION	1 Minute / 0.01 degree
	MAGNIFICATION DEVICE	10X Lens (Turret Mounted)
	VIEW FIELD	<60mm for 10X
	ILLUMINATION STRUCTURE	<ul style="list-style-type: none"> <li>• Profile Illumination</li> <li>• Surface Illumination – by Fiber Optic light source</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 <math>\mu</math>m+L/55 <math>\mu</math>m (L in mm)</li> </ul>
	ILLUMINATION ACCURACY	<ul style="list-style-type: none"> <li>• Profile: 0.05% / Surface: 0.075%</li> </ul>
	LOAD CAPACITY	<ul style="list-style-type: none"> <li>• 50 kg - on work stage</li> </ul>
	MACHINE WEIGHT	<ul style="list-style-type: none"> <li>• 800 kg (approx)</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>• Part Programming</li> <li>• Error Compensation Facility on Calibration</li> <li>• Outputs – RS232</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 – HT600 (FLOOR MOUNTED)



MAGNIFICATION LENS



DATA PROCESSOR - EL 500



NABL Accreditation  
Certificate No : C-0570