M E T R I C
Measurement Technologies

Sales & Services of Metrology Products | Calibration & Inspection | Mfrs. of Spl. purpose Gauges & Fixtures | Training & Consultancy

VT 300 - TECHNICAL DATA SHEET

	DESCRIPTION	PACKAGE MODEL – VT 300
MACHINE DYNAMICS	SCREEN SIZE	**300mm** - Frameless Screen & with Fine Cross Hair Line
	WORK STAGE BASE	Satin Chrome Plated - Hardened Steel Base **(With Glass Stage)**
	MEASURING STROKE (X&Y)	**200 x 150mm**
	LINEAR RESOLUTION	**0.001mm**
	WORK STAGE SIZE	**375 (L) x 280(W) mm**
	ANGULAR RESOLUTION	1 Minute / 0.01 degree
	MAGNIFICATION DEVICE	10X [Turret Type – 3 Lens Mount]
	VIEW FIELD	**<30mm for 10X**
	ILLUMINATION STRUCTURE	• Profile Illumination (150W x 1) • Surface Illumination (150W x 2) • Dim & Bright Regulator • Fluorescent Colour Bulb (with UV Green Filter)
	MEASUREMENT ACCURACY	• $3.5\ \mu m + L/55\ \mu m$ (L in mm)
	ILLUMINATION ACCURACY	• Profile : 0.05% / Surface : 0.075%
	POWER	• 800 Watts
	WEIGHT ON GLASS STAGE	• **< 5 kg**
	MACHINE WEIGHT	• 120 kg (approx)
	STANDARD ACCESSORY	• Modulated Pedestal Stand - for screen easy view
READ OUT	2D – MULTI FUNCTION DIGITAL DATA PROCESSOR (ELECTRONICA, EL-500)	• Measure, Preset and Construct elements • Line, Circle, Angle, distance, rectangle • Axis Skew function • Polar & Cartesian Co-ordinate system • Data Storage (Permanent & Temporary) • Part Programming • Error Compensation Facility on Calibration Outputs – RS232
CERTIFICATION	PRODUCT CERTIFICATION ON ACCURACY	• 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. • Calibration Performed on ➢ Linear Axes Accuracy ➢ 0 – 360 degree Angular Accuracy ➢ Quadrant wise Magnification Accuracy.

VT SERIES

MAGNIFICATION LENS

DATA PROCESSOR - EL 500

NABL Accreditation
Certificate No : C-0570