

CORRIGENDUM FOR FORM TESTER

The Roundness Tester is used for measurement of Form parameters i.e. Circularity, Cylindricity, Straightness, Squareness, Concentricity, Eccentricity, Coaxially, Flatness etc.

Sl. No.	Description	Original Specifications	Changed Specifications	Essential Or Specify (original)	Essential Or Specify (changed)
1.	Configuration	Floor Based System	Anti-vibration based table	Essential	Essential
2	Resolution	10µm or better		Specify	Specify
3	Resolution	10µm or better		Specify	Specify
4	Roundness Error as per DIN / EN ISO 1101 (Filter 15 UPR, LSC)	0.02 µm + 3.2 µm/mm measuring height or finer	0.02 µm + 0.0005 µm/mm measuring height or finer	Essential	Essential
5	Axial Run out Error as per DIN / EN ISO 1101	0.03 µm +3.2 µm/mm measuring radius or finer	0.03µm+ 0.0005 measuring radius or finer	Essential	Essential
6	Maximum Component Weight	30 kg or more	50 kg or more	Essential	Essential
7	Acceptance Criteria	<p>Should meet all requirements of specifications satisfactorily as given in the enclosed Acceptance Criteria and the Scope of Supply as per purchase order enclosure.</p> <p>Customer Acceptance Tests will be conducted for a period of around 1 week at supplier's place. (Note: All the travel expenses including to and fro Air fare, lodging to be borne by the supplier).</p> <p>Final acceptance is based on acceptance tests conducted by IIT Tirupati as per the enclosed Acceptance Criteria.</p>	Not Required	Essential	Not Required

8	Performance Warranty	The equipment should have warranty for 36 months including material and labor from the date of installation, commissioning and acceptance at IIT TIRUPATI.	For replacement of defective parts, the total cost including transportation and replacement should be borne by the supplier. However, IIT can give import exemption certificate for availing concessional customs duty	Specify	Essential
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CORRIGENDUM FOR SURFACE ROUGHNESS AND CONTOUR TESTER

The Surface Roughness & Contour Tester is contact type measurement where the stylus is used for scanning the surface and result will be analyzed using software's.

The Surface Roughness & Contour Tester is used for measurement of Roughness, Waviness, Profile, Step Height and Contour measurements.

Sl. No.	Description	Original Specifications	Changed Specifications	Essential Or Specify (original)	Essential Or Specify (changed)
1	Traverse Length (max/min)	50 mm and above	100 mm and above	Essential	Essential
2	Traverse speed (Max)	60 mm/sec		Essential	Specify
3	Measuring speed	Up to 20 mm/sec		Essential	Specify
4	Pick up Interval	0.016 um	0.1 um	Essential	Essential
5	Straightness accuracy (Pt)	0.3um / 50 mm or better	0.4 um / 100 mm or better	Essential	Essential
6	X-axis accuracy	5 um / 50 mm or better	5 um / 100 mm or better	Essential	Essential
7	Crash protection for stylus, Arm & machine detector			Specify	Essential
8	Auto stylus tip radius compensation in	11-point compensation technique. Worn stylus can be used in contour without	Calibration for roughness & contour	Essential	Essential

	software	any error.			
9	Gauge Range with 100 mm stylus	60 mm for contour / 240mm stylus & 2mm for Roughness/70mm stylus	60 mm for contour & 1.5 mm for Roughness	Essential	Essential
10	Probe Tilt Angle	$\pm 9^\circ$ or more	$\pm 45^\circ$ Manual	Essential	Essential
11	Standard Stylus	2 μm / 60° for Roughness 25 μm / 24° for contour	2 μm / 60° or 90° for Roughness 25 μm for contour	Essential	Essential

12	Active Anti vibration Platform with environment enclosure.		Anti-vibration Platform	Specify	Specify
13.	Acceptance Criteria	Should meet all requirements of specifications satisfactorily as given in the enclosed Acceptance Criteria and the Scope of Supply as per purchase order enclosure. Customer Acceptance Tests will be conducted for a period of around 1 week at supplier's place. (Note: All the travel expenses including to and fro Air fare, lodging to be borne by the supplier). Final acceptance is based on acceptance tests conducted by IIT Tirupati as per the enclosed Acceptance Criteria.	Not Required	Essential	Not Required
14.	Installation & Commissioning	Installation & Commissioning should be done free of cost at IIT TIRUPATI by the trained engineers		Specify	Essential
15	Performance Warranty	The equipment should have warranty for 36 months including material and labor from the date of installation, commissioning and acceptance at IIT TIRUPATI.	For replacement of detective parts, the total cost including transportation and replacement should be borne by the supplier. However, IIT can give import exemption certificate for availing concessional customs duty	Specify	Essential