



***TESA
MICRO-HITE 3D
REMOTE CONTROL
SWISS MADE***

- *MANUAL OR MOTORISED
DISPLACEMENT*
- *REPEATABILITY TO 3 µM*
- *TESA REFLEX APPLICATION
SOFTWARE*

TESA ADD A NEW VERSION TO THEIR RANGE OF SMALL CMMs – TESA MICRO-HITE 3D RC

This latest development allows fine positioning when inspecting complex manufactured parts. Being under operator's control through a joystick, the three axes are driven individually so that the measurements can be taken at the desired location with a safe positioning to the micron.

But, the possibility still exists to move each axis mechanically by means of the fine adjust device.

The joystick has a built-in electronics for activating the axes as well as capturing the measured values by simply depressing a button.

Selectable velocity

- Slow speed by increment of one micron/step. This speed is the best for measuring with use of a video camera that requires very fine positioning.
- Normal speed of 10 mm/s. This value matches the normal one used for probing the required feature.
- High speed (or displacement speed) of 20 mm/s.

TESA Micro-Hite 3D RC

- Ideal for dimensional inspection of small complex parts
- Motorised displacement of the three axes
- Mechanical fine adjust device
- Fast displacement of each axis in the manual mode
- Z-Mouse integrated into the joystick for monitoring the software without taking the eyes off the part being measured

- TESA REFLEX software
- Swiss Made
- Excellent price/performance relationship



Specifications

MH3D Remote Control 03939120
 Measuring spans (X/Y/Z): 460 x 510 x 420 mm
 Repeatability limit: 3 µm
 Measurement uncertainty (L in mm)
 U1 (0,003 + 3 • L/1000) mm
 U3 (0,003 + 4 • L/1000) mm
 Display resolution: 0,001 mm
 Velocity
 – Motorised displacement: 1 µm/step – 10 mm/s – 20 mm/s
 – Manual displacement: 760 mm/s
 Air pressure: 3,9 bars
 Air consumption: 21 lN/min
 Power supply: 115-230 Vac, 50-60 Hz, 0,3-0,7 A
 Operating temperature range: 13 to 35°C
 Electromagnetic compatibility
 Weight: 190 kg
 Overall dimensions (LxHxP):
 970 x 1620 x 930 mm
 Max. workpiece dimensions (X/Y/Z):
 600 x 750 x 430 mm
 Inspection report

Standard accessories

Fine adjust device
 TESASTAR-i
 Styli kit 03969040
 Calibration sphere
 Z-Mouse
 Air filter

One-Year Warranty



FR	TESA FRANCE SAS	13-15, av. Georges de La Tour	F-54303 Lunéville Cedex	Tél. +33 (0)3 83 76 83 76	Fax +33 (0)3 83 74 13 16	tesa-france@ch.bnsmc.com
IT	TESA Technology ITALIA s.r.l.	Via Bizzozzero, 118	20032 Cormano (MI)	Tel. +39 (0)2 663 053 69	Fax +39 (0)2 663 090 82	italia@ch.bnsmc.com
DE	TESA Deutschland – Hexagon Metrology GmbH	Netzstraße 32	D-71638 Ludwigsburg	Tel. +49 (0)7141 8747 0	Fax +49 (0)7141 8747 88	tesainfo@ch.bnsmc.com
ES/PT	TESA Technology Ibérica	Av. de Vizcaya s/n – Apart. 202	E5-48260 Ermua	Tel. +34 943 170 340	Fax +34 943 172 092	iberica@ch.bnsmc.com
UK	TESA Technology UK	Metrology House – Halesfield 13	Telford, Shropshire TF7 4PL	Tel. +44 1952 681 349	Fax +44 1952 681 391	uksales@ch.bnsmc.com
BE/LU	Pascal Siebens	Generaal de Wittelaan 17 – Bus 21	2800 Mechelen	Tel. +32 (0)15 435 301	Fax +32 (0)15 435 302	psiebens@ch.bnsmc.com
NL	Walter Roelofs	Schenhorst 38	NL-3905 VE Veenendaal	Tel. +31 (0)318 55 44 19	Fax +31 (0)318 47 91 30	wroelofs@ch.bnsmc.com

Headquarters: TESA SA – Bugnon 38 – CH-1020 Renens – Switzerland – Tel. + 41 (0)21 633 16 00 – Fax + 41 (0)21 633 17 57 – www.tesabs.ch – tesainfo@ch.bnsmc.com