

Surface Measuring System **SURFTEST** **SV-3200 Series**

Form Measurement

New Options Enhance Multifunctionality and User-friendliness for Higher Throughput



Surface Measuring System

SURFTEST

SV-3200 Series

Features

- This high-accuracy, multi-functional stylus type 2D surface roughness tester delivers best-in-class positioning speed (X-axis: up to 80mm/s, Z-axis: up to 30mm/s).
- Powerful options added to the accessory lineup allow a big reduction in total setting, measurement and evaluation time required.



New Option 1 3D Surface Roughness Measurement

It is capable of 3D Surface Roughness/Contour measurement and analysis*1 by using X-direction 2D measurement data and high accurate Y-axis positioning table, 3D/Y-axis table*2.

*1 Require option software FORMTRACEPAK-PRO or MCubeMap

*2 Does not support Y-direction 2D measurement and X/Y-direction inclined measurement.



New Option 2 Easy Drive Unit Alignment

Optional accessory that tilts the drive unit to allow its easy alignment with a large or heavy workpiece that cannot be mounted on the auto-leveling table.

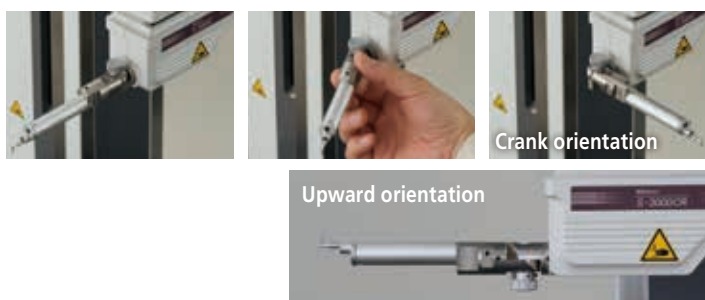


New Option 3 Adaptable Detector Orientation

Optional holders are available that allow manual change of the detector's orientation.

Optional Detector Holders

Code	Type	Remarks
S-3000	-	Standard accessory
S-3000C	Crank	Option
S-3000CR	Crank, upward	Option
S-3000MR	Upward	Option, long type



The crank orientation enables surface roughness measurement of a crankshaft (in the axial direction).

The upward/downward orientation enables roughness measurement on an upper/lower surface of a hole without needing an extra setup. Furthermore, S-3000MR provides a 100mm longer reach than the other holders, thus enabling measurement in a deep hole (in its upward or downward orientation).

Specifications

Model No.	SV-3200S4	SV-3200H4	SV-3200W4	SV-3200S8	SV-3200H8	SV-3200W8
Measuring range	X-axis	100mm			200mm	
	Z1-axis (detector)	800µm / 80µm / 8µm				
Z2-axis (column) traverse range	300mm	500mm	300mm	500mm		
X-axis inclination angle	±45° (only for a model with the X-axis leveling device)					
Detector detection method	Differential inductance					
Resolution	X-axis	0.05µm				
	Z1-axis (detector)	0.01µm, 0.001µm, 0.0001µm				
	Z2-axis (column)	1µm (ABS scale)				
Drive speed	X-axis	0 to 80mm/s and manual operation				
	Z2-axis (column)	0 to 30mm/s and manual operation				
Straightness	(0.05+0.001L) µm			(0.1+0.002L) µm		
Measuring force	Depends on model No. (suffix -1: 0.75mN; -2: 4mN)					
Stylus tip	Depends on model No. (suffix -1: 60°, R2µm; -2: 90°, R5µm)					
Base size (width x depth)	600x450mm		1000x450mm	600x450mm		1000x450mm
Base material	Gabbro					

Mitutoyo

Mitutoyo Asia Pacific Pte. Ltd.

Company Reg No. 197800892N

24 Kallang Avenue, Mitutoyo Building, Singapore 339415

Tel: (65) 6294 2211 Fax: (65) 6299 6666

E-mail: mapsg@mitutoyo.com.sg

www.mitutoyo.com.sg | www.mitutoyo.com.my

www.mitutoyo.co.th | www.mitutoyo.co.id

www.mitutoyo.com.vn | www.mitutoyo.com.ph



Mitutoyo (Malaysia) Sdn. Bhd.

Mah Sing Integrated Industrial Park,
4, Jalan Utarid U5/14, Section U5,
40150 Shah Alam, Selangor, Malaysia
Tel: (60) 3-7845 9318
Fax: (60) 3-7845 9346

E-mail: mmsb@mitutoyo.com.my

Penang Branch

Tel: (60) 4641 1998 Fax: (60) 4641 2998

Johor Branch

Tel: (60) 7352 1626 Fax: (60) 7352 1628

Mitutoyo (Thailand) Co., Ltd.

76/3-5, Chaengwattana Road, Kwaeng
Anusaawaree, Khet Bangkaen,
Bangkok 10220, Thailand
Tel: (66) 2080 3500
Fax: (66) 2521 6136

E-mail: office@mitutoyo.co.th

Chonburi Branch

Tel: (66) 2080 3563 Fax: (66) 3834 5788

ACC Branch

Tel: (66) 2080 3565

PT. Mitutoyo Indonesia

Jalan Sriwijaya No.26
Desa cibatu
Kec. Cikarang Selatan
Kab. Bekasi 17530, Indonesia
Tel: (62) 21-2962 8600
Fax: (62) 21-2962 8604

E-mail: ptmi@mitutoyo.co.id

Mitutoyo Vietnam Co., Ltd.

1st & 2nd Floor, MHD1 Building,
No. 60 Hoang Quoc Viet Road,
Nghia Do Ward, Cau Giay District,
Hanoi, Vietnam
Tel: (84) 24-3768 8963
Fax: (84) 24-3768 8960

E-mail: mvc@mitutoyo.com.vn

Ho Chi Minh City Branch

Tel: (84) 28-3840 3489

Fax: (84) 28-3840 3498

Hai Phong City Branch

Tel: (84) 22-5398 9909

Mitutoyo Philippines, Inc.

Unit 1B & 2B LTI,
Administration Building 1,
Annex 1, North Main Avenue,
Laguna Technopark, Biñan,
Laguna 4024, Philippines
Tel: (63) 49-544 0272

Fax: (63) 49-544 0272

E-mail: mpi@mitutoyo.com.ph