

Formtracer Extreme SV-C3000CNC / SV-C4000CNC

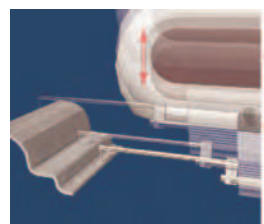
Series 525 - Surface and Contour Measuring Instrument

SV-C3000CNC

Model	SV-C3000CNC-S	SV-C3000CNC-S.	SV-C3000CNC-H	SV-C3000CNC-H.
No.	525-522-2*	525-524-2*	525-542-2*	525-544-2
Z2-axis vertical travel	300 mm	300 mm	500 mm	500 mm
Y-axis table unit	-	Installed	-	Installed
α -axis unit	Installed	Installed	Installed	Installed

SV-C4000CNC

Model	SV-C4000CNC-S	SV-C4000CNC-S.	SV-C4000CNC-H	SV-C4000CNC-H.
No.	525-622-2*	525-624-2*	525-642-2*	525-644-2*
Z2-axis vertical travel	300 mm	300 mm	500 mm	500 mm
Y-axis table unit	-	Installed	-	Installed
α -axis unit	Installed	Installed	Installed	Installed



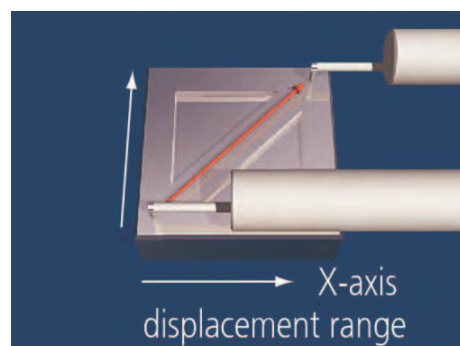
Z2-axis



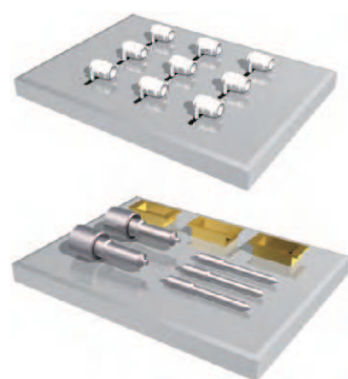
Y-axis



α -axis



Through 2-axis simultaneous control in the X and Y directions



Specifications

Optional Accessories

Mechanism	Diaphragm air spring
Natural frequency	2.5 - 3.5 Hz
Levelling	Automatic control with mechanical valves

Air supply pressure	390 KPa
Max. loading capacity	350 kg

Dimensions (WxDxH)	1080 x 995 x 718 mm
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Mass	315 kg
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Y-axis table unit

Measuring range	200 mm
Resolution	0,05 μ m
Scale unit	Reflective-type linear encoder
Drive speed	200 mm/s (max. CNC)

0 - 60 mm/s (joystick)	
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Max. loading capacity	20 kg
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Traverse straightness	0,5 μ m / 200 mm
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Linear displacement accuracy (at 20°C)	$\pm(2+2L/100)$ μ m, contour mode
L : Dimension between two measured points (mm)	

Table size	200 x 200 mm
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Dimensions (WxDxH)	320 x 646 x 105 mm
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Mass	35 kg
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Additional Specifications

Software FORMTRACEPAK

Allows control of the optional motor-driven Y-axis table and rotary table for efficient measurement automation.

Contour evaluation can be performed using analysis of level differences, angle, pitch, area and other characteristics based on surface roughness data. An original inspection certificate can be created by setting the print format to selected requirements.

