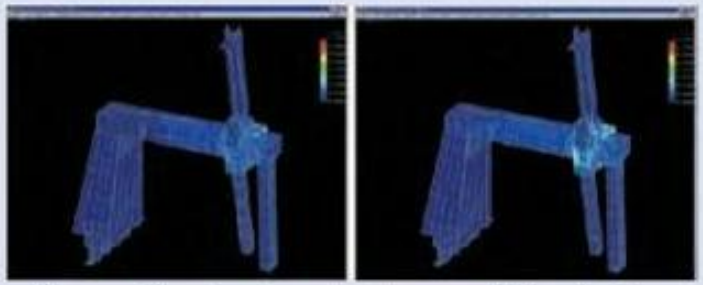
Specifications

Resolution	0,1 µm
Accuracy(1)	MPE_E : (1.7+0.3L/100)µm, (1.7+0.4L/100)µm (2) MPE_P : 1,7 µm MPE_{THP} : 2,3 µm (50s)
Work table material	Black granite
Work table tapped insert	M8x1.25mm
Scales	High accuracy linear encoder
Guide system	Air bearings on each axis
Max. drive speed	520 mm/sec
Max. acceleration	Each axis : 1333 mm/s² (1000 mm/s² 9108, 9168 and 9208) Max. combined acceleration : 2309 mm/s² (1732 mm/s² 9108, 9168 and 9208)

(1) According to ISO 10360-2 (2002) methods when using the SP25M probe system with a ø4x50 mm stylus.
L= measured length (mm).
(2) Guaranteed accuracy temperature range : 16°C - 26°C

Temperature compensation system (photo :

Joystick controller



The machine structure has been optimized using FEM (Finite-element Method) and modal analysis

Guaranteed accuracy temperature environment*

Temperature range		18°C - 22°C	16°C - 26°C
Temperature change	Per hour	1.0 K	1.0 K
	Per 24 hours	2.0 K	5.0 K
Temperature gradient	Vertical	1.0 K/m	1.0 K/m
	Horizontal	1.0 K/m	1.0 K/m

***When using temperature compensation system**