

**Specifications**

Resolution 0,1  $\mu\text{m}$   
 Accuracy<sup>(1)</sup>  $\text{MPE}_E : (1.7+0.3L/100)\mu\text{m},$   
 $(1.7+0.4L/100)\mu\text{m}$  <sup>(2)</sup>  
 $\text{MPE}_p : 1,7 \mu\text{m}$   
 $\text{MPE}_{\text{THP}} : 2,3 \mu\text{m}$  (50s)  
 Work table material Black granite  
 Work table tapped insert M8 x 1.25 mm  
 Workpiece Max. height : 545 mm  
 Max. loading : 180 kg  
 Scales High accuracy linear encoder  
 Guide system Air bearings on each axis  
 Max. drive speed 520 mm/sec  
 Max. acceleration Each axis : 1333  $\text{mm/s}^2$   
 Max. combined acceleration : 2309  $\text{mm/s}^2$

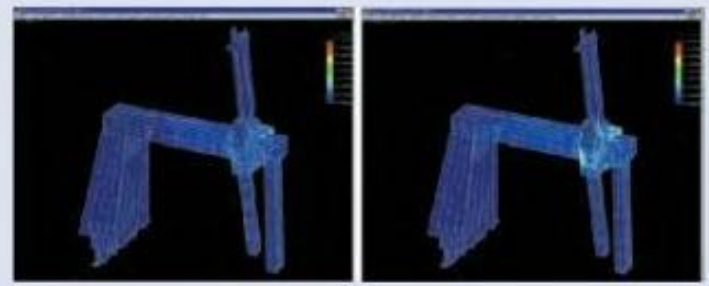
<sup>(1)</sup> According to ISO 10360-2 (2002) methods when using the SP25M probe system with a  $\varnothing 4 \times 50$  mm stylus.  
 L= measured length (mm).  
<sup>(2)</sup> Guaranteed accuracy temperature range : 16°C - 26°C.



Temperature compensation system (photo : temperature sensors)



Joystick controller (optional)



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	2.0 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**