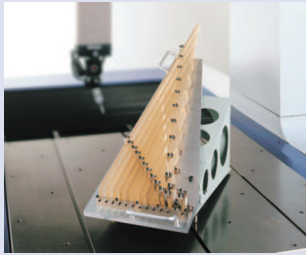


Specifications

Accuracy	E0, MPE from: (0,23+0,7L/1000) μm
Max. drive speed	200 mm/s (3-axis)
Digital step	0,01 μm



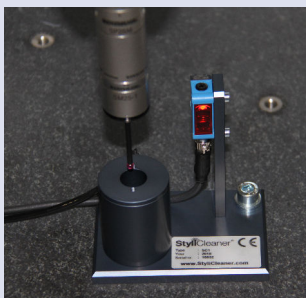
Optional joystick-box M2 with speed adjustment knob



CMM calibration using a virtually zero thermal expansion glass gauge



Mitutoyo offers you over 1000 styli products plus highly specialised equipment for your measuring task.



StylisCleaner always Reliable and Clean Stylus

LEGEX Series

LEGEX [Takumi Model] Series

The LEGEX Series is an ultra-high precision CNC coordinate measuring machine.

A fixed bridge structure and precision air bearings running on highly rigged guideways, ensure superior motion stability and ultrahigh geometrical accuracy. Drive systems placed in the "Center of gravity" of the sliders, gives best possible dynamic performance. In addition, an active anti-vibration stand has been utilized to provide ultra-high accuracy.

The construction is designed for thermal stability, low expansion crystallized glass scales and temperature compensation, results in guaranteed high accuracy within a temperature range of 19 °C to 21 °C.

Main benefits:

- Rigorous analysis of all possible error-producing factors, and elimination or minimization of their effects, delivers unsurpassed accuracy of 0.23 μm
- Ultra-high accuracy crystallized-glass scale with the ultra-low expansion coefficient of $0.01 \times 10^{-6}/\text{K}$ is used on each axis
- The fixed bridge structure and precision air bearings, running on highly rigid guideways, give you superior motion stability and ultra-high geometrical accuracy
- UC480 controller supporting Multi-sensor and SMS functionality (Smart Measuring System)
- You can use several different types of optional probe systems, including Mitutoyo's high precision MPP310Q scanning probe



LEGEX Takumi

LEGEX Models:

No.	Model	Range [mm]	Comments
356-407-10	LEGEX 574	500 x 700 x 450	Anti vibration stand
356-417-10	LEGEX 774	700 x 700 x 450	Anti vibration stand
356-427-10	LEGEX 776	700 x 700 x 600	Anti vibration stand
356-437-10	LEGEX 9106	900 x 1000 x 600	Anti vibration stand