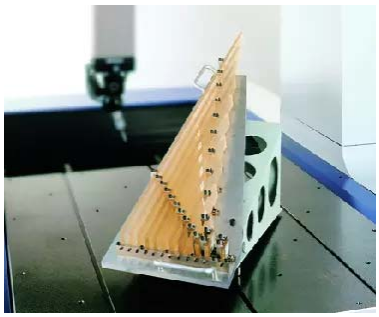
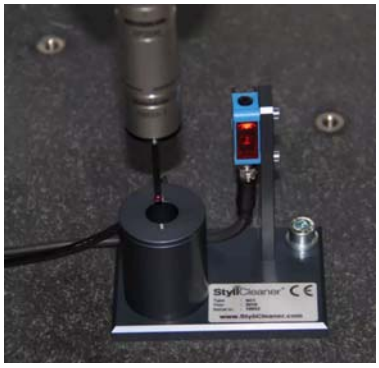
LEGEX574 CNC CMM

Item number: 356-407-10

Images





Description

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 have 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 0.23µm
- Ultra-high accuracy crystallized-glass scale with the ultra-low expansion coefficient of 0.01x10-6/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

Specification

Model:	LEGEX 574
Range:	500 x 700 x 450 mm
Accuracy:	E0, MPE from: (0,23+0,07L/100) µm
Loading Weight:	250 kg
Loading Height:	700 mm
Digital step:	0.01 µm