Technical Data

Accuracy at 20°C*
- Entire range: ±1.0 µm
- Narrow range: ±(0.6+0.1ΔD) µm

Repeatability (±2σ): ±0.11 µm
Positional error**: ±1.5 µm
Measuring region: 10 x 30 mm
Laser wavelength: 650 nm, Visible
Scanning rate: 3200 scans/s
Laser scanning speed: 226 m/s
Protection standard: IEC, FDA

* At the centre of the measuring region. DΔ = Difference in diameter between the master gauge and workpiece.
** Potential measurement error due to variation in workpiece position within the measuring region.

Optional Accessories

02AGD130: Calibration gauge set (ø1 mm, ø30 mm) **£366.00**
02AGD490: Adjustable workstage **£1670.00**
02AGD440: Centre support* **£394.00**
02AGD450: Adjustable V-block* **£471.00**
02AGD240: Air shield **£545.00**
957608: Air cleaner for air shield **£650.00**
02AGC150A: Extension relay cable 1 m **£73.00**
02AGC150B: Extension relay cable 3 m **£77.80**
02AGC150C: Extension relay cable 5 m **£82.70**
02AGN780A: Extension signal cable 5 m **£118.00**
02AGN780B: Extension signal cable 10 m **£156.00**
02AGN780C: Extension signal cable 15 m **£189.00**
02AGN780D: Extension signal cable 20 m **£267.00**

* Use with an adjustable workstage.

SERIES 544 – LSM-503S Ultra-High Accuracy Non-Contact Measuring System

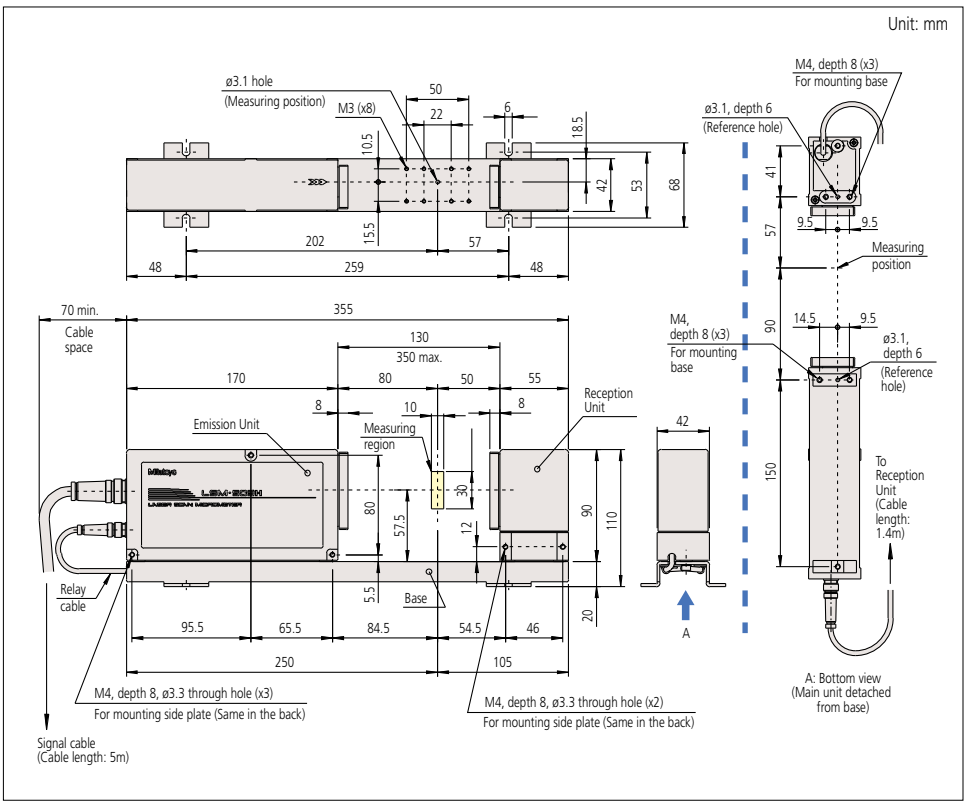
- General-purpose type with a measuring range of 0.3 mm to 30 mm.
- Provides ultra-high accuracy of ±1.0 µm over the entire measuring range and even better in the narrow range.
- Excellent repeatability of ±0.1 µm.

544-536

SPECIFICATIONS

Code No.	Range	Resolution (selectable)	Price
544-536	0.3 - 30 mm (.012 - 1.18")	0.00002 - 0.1 mm (.000001 - .005")	**£4750.00**

DIMENSIONS



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Mitutoyo operates a policy of continuous improvement that aims to provide the customer with the benefit of the latest technological advances.
Therefore the company reserves the right to change any or all aspects of any product specification without notice.
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