

# ALTO 6.5.5

Optimized metrology  
for small parts



ALTO 6.5.5 with PH20

**ALTO provides the best balance of price and performance  
for your cost, accuracy and throughput needs**

Optimized for the new challenges of dimensional quality control, where parts are becoming smaller, designs more complex and design limits are narrowing. ALTO is ideal for production areas and quality control rooms where space is limited.

**Contact us to book your demonstration**

[www.LKmetrology.com](http://www.LKmetrology.com)

# ALTO 6.5.5

ALTO is a compact CMM with ingenious space-saving features such as the half-gantry design with no over-hanging guideways, fully integrated electronics, retracting PC screen arm and open access from three sides for easy part loading. Supplied with automated stylus changing as standard, ALTO is available with a standard motorized indexing probe head, or the latest high-performance 5-axis probe system for maximum efficiency.

## Probe heads

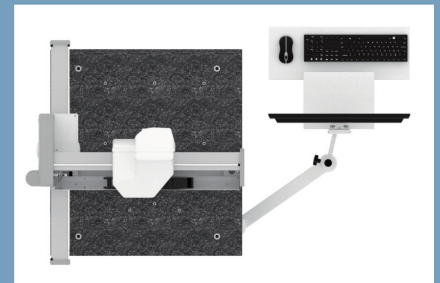
|                  | PH6M                                                                              | MH20i                                                                             | PH10T PLUS                                                                        | PH10M PLUS                                                                        | PH20                                                                              |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                  |  |  |  |  |  |
| Head Type        | Fixed (vertical)                                                                  | Indexing manual                                                                   | Indexing Head                                                                     | Indexing Head                                                                     | 5-axis continuous                                                                 |
| Head Positions   | -                                                                                 | 168                                                                               | 720                                                                               | 720                                                                               | Infinite                                                                          |
| Angular Tilt     | -                                                                                 | 0° to +90° in 15° steps                                                           | 0 to +105° in 7,5° steps                                                          | 0 to +105° in 7,5° steps                                                          | ±115°                                                                             |
| Angular Rotation | -                                                                                 | ±180 in 15° steps                                                                 | 0 to +180° in 7,5° steps                                                          | 0 to +180° in 7,5° steps                                                          | Infinite                                                                          |
| Touch Probe      | TP20, TP200                                                                       | Integral                                                                          | TP20, TP200                                                                       | TP20, TP200                                                                       | Integral                                                                          |
| Scanning Probe   | SP25M                                                                             | -                                                                                 | -                                                                                 | SP25M                                                                             | -                                                                                 |

## Performance

|                     |                          |
|---------------------|--------------------------|
| Measure Volume      | 600 x 500 x 500 mm       |
| Volumetric Accuracy | from 2.5 µm + 3,0 L/1000 |
| Repeatability       | from 2.3 µm              |
| Probing Accuracy    | from 2.5 µm              |
| Velocity            | from 500 mm/s            |
| Acceleration        | from 1,500 mm/s²         |



ALTO 6.5.5 with PH20 5 axis head



### ✓ Compact CMM

LK employs high-tech aluminium alloy for the structure and guideways of its Aluminium Technology range of CMMs.



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### ✓ Half-gantry Design

With access from three sides for part loading, ALTO is ideal for production areas or quality control rooms.



### ✓ Integrated Electronics

Fully integrated electronics and retracting monitor arm, with optional desk unit with controller mounting (for PH20 only).