

H120 handheld laser scanner

High performance blue
laser handheld scanner



Ultra-fast high-definition portable 3D scanning

The H120 handheld laser scanner's precise imaging resolution, speed, dynamic range and class-leading accuracy gives users greater understanding of the most detailed aspects of their parts in the shortest timeframe. In combination with LK Metrology's FREEDOM arms workflow can be optimised through rapid, reliable and accurate measurement of complex multi-material parts, both freeform and prismatic, on the shop floor or in the laboratory.

Contact us now to book your demonstration

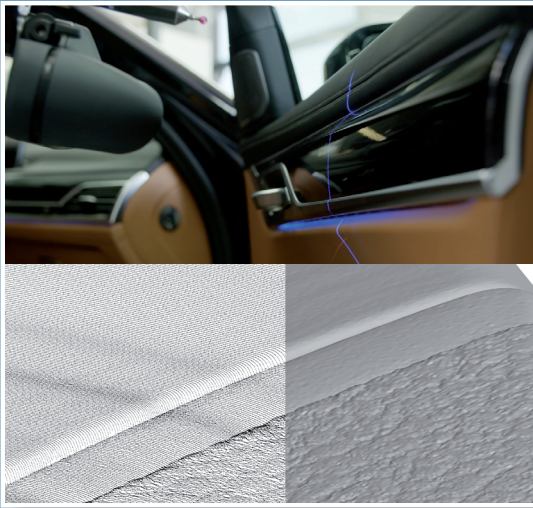
www.LKmetrology.com

UNCOMPROMISING PERFORMANCE

The H120 handheld laser scanner offers supreme scanning accuracy and productivity for demanding portable 3D inspection and reverse engineering applications. Users benefit from two thousand non-interpolated points per stripe, providing high resolution and efficiency scanning freeform surfaces and prismatic features. The sensor's high dynamic range allows scanning of practically any surface at an extremely fast frame rate up to 450 Hz and a stripe width up to 120 mm.

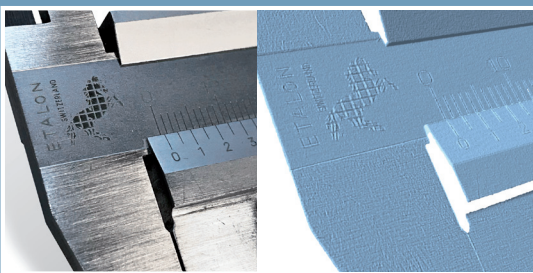
DYNAMIC RANGE

Patented Enhanced Sensor Performance (ESP4) provides automatic real-time adjustment of the laser intensity for every single point in the same image frame, eliminating the need for special settings and ensuring full data across neighbouring materials with completely different optical properties.



HIGH DEFINITION

Bespoke lens design enables the smallest structural resolution and lowest noise measurements in handheld scanning. In combination with the H120's blue laser source it becomes possible to measure incredible details such as surface texture, very sharp edges and even dust and scratches. Revealing levels of information far beyond traditional position, size and orientation – even revealing how a part was machined, stamped or moulded.



SIMPLE SETUP

- Quick release locking connector
- Plug & play configuration

DETAIL AND SPEED

- 450 Hz frame rate
- 2 000 points per line
- 35 μ m point spacing
- 120 mm laser line
- 7 μ m accuracy

DATA COVERAGE

- Low noise blue laser
- ESP4 dynamic laser optimisation

PRODUCTIVITY

- Zero warm up time
- Active thermal compensation
- Contrasting red laser rangefinder

ENHANCED PRODUCTIVITY

Even further improvements in productivity are gained due to the H120's active thermal compensation and immediate boot-up, eliminating warm-up time and guaranteeing accurate scanning performance across a wide temperature range. In addition, a contrasting projected rangefinder makes targeting the scanner very simple and intuitive.