ZEPHYR II BLUE
3D laser scanner

▸ Compatible with CMMs and arms

▸ Blue laser accuracy: 10 µm

▸ Very fast: 250 000 pts/sec

ZEPHYR II BLUE

THE EXPERT FOR SHINY SURFACES

Kreon®

ZEPHYR II BLUE 3D LASER SCANNER

Developed for the most challenging applications, Zephyr II Blue realises fast and accurate measurements. **Its blue laser is particularly adapted for reflective surfaces and dark parts.**

▶ PRODUCT ADVANTAGE

Reflective parts
The blue laser technology enables Zephyr II Blue to scan the reflective parts, as the lustrous metal or the black varnished with an excellent precision.

Zephyr II Blue can be integrated on any system: measuring arm, CMM or even robot.

Being connected to Ace 7-axis arm, Zephyr II Blue changes the colour and becomes red and black.

▶ TECHNICAL SPECIFICATIONS

Max scanning speed	Max accuracy (2σ)	Laser line length
250 000 pts/sec	10 µm	70 mm

▶ SCANNER SPECIFICATIONS

Line resolution	50 µm
Stand-off distance	75 mm
Field of view	75 mm
Temperature compensation	Yes
Max Frequency	250 Hz
Typical probing error (MPEp)*	10 µm
Multi stylus test accuracy (MPEal)*	15 µm

▶ MACHINE SPECIFICATIONS

Machine interface	Articulated arms, CNC, machine tools, manual and driven CMMs
Probe compatibility under the scanner	Hard probe, Renishaw TP 2/20/200
Renishaw compatibility	MIH,PH10 T, PH10M/MQ Multiwire and IS1-2
PC communication	USB

All specifications are subject to change without notification.
* According to EN/ISO 10360-2 or VDI 2617 part 6.2 for CMM with accuracy of 2,5 µm + L/350 or better.

▶ COMMON KREON LASER SCANNERS FEATURES

Polygonia software and plugin
Scanner interoperability with major third-party programs: Metrolog, PolyWorks, Geomagic, PowerInspect, Capps, Inca 3D, etc.

AQC (auto quality check)
Automatic compensation of the different material's optical characteristics during scanning.

Integrated probe under the scanner
Probing and scanning operate simultaneously in the same software without removing the scanner.

▶ MAIN APPLICATIONS

- Dimensional analysis
- Quality control
- Rapid prototyping
- First article inspection
- Reverse engineering
- Surface acquisition