AQUILON
3D laser scanner

- Extreme accuracy: 5µm
- Double camera
- Ultra fast: 1 000 000 pts/sec

Aquilon

ACCURACY WITHOUT
COMPROMISE

Kreon

AQUILON 3D LASER SCANNER

Developed to satisfy the most challenging industrial applications, the 3D laser scanner Aquilon is **the most performant one from Kreon product range**. With its two cameras, the scanning is fast and accurate, there is no surface to resist.

PRODUCT ADVANTAGE

Extreme accuracy
The Aquilon's accuracy reaches 5 microns on CMM thanks to point acquisition realised with the help of two cameras. Therefore, the smallest intervals are easily detected.

Aquilon can be integrated on any system: measuring arms, CMMs or even robots.

AQC - Auto Quality Check
The AQC function allows to configurate the acquisition data quality and offers as well spectacular system's performance gains and better accuracy.

5 µm*

TECHNICAL SPECIFICATIONS

Max scanning speed	Max accuracy (2σ)	Laser line length
1 000 000 pts/sec	5 µm	50 mm

SCANNER SPECIFICATIONS

Line resolution	25 µm
Stand-off distance	60 mm
Fiel of view	75 mm
Temperature compensation	Yes
Max frequency	500 Hz
Typical probing error (MPEp)**	5 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,PH10T, 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, PowerInspect, PolyWorks, Capps, Geomagic, 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

* according to Kreon procedure and depending on CMM

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