



## SOLANO CMM 3D laser scanner

- ▶ Driven CMM ready
- ▶ Contact and non-contact measurement
- ▶ Economic solution

# SOLANO CMM

SCANNING FUNCTIONALITY UPGRADES  
CMM WITH A COMPETITIVE PRICE

*Kreon*

# SOLANO CMM 3D LASER SCANNER

The Solano CMM is equipped with a red laser and enables to scan most industrial parts on CMM. It provides a simple solution for contact and non-contact measurement.

## ▶ PRODUCT ADVANTAGES

### Probe integration

Being integrated under the scanner, the probe enables probing and scanning at the same time, it is really useful for alignment works.

### PH 10 compatibility

Solano CMM compactness, combined with PH10 motorised head flexibility, easily deals with complex shape parts with hard-to-access zones.

### Software and controller compatibility

Software: Metrolog, ArcoCAD, Capps DMIS, Rational DMIS, Inca3D etc.  
Controller: Metrologic, Renishaw, Pantec, Deva etc.

## ▶ TECHNICAL SPECIFICATIONS

Max scanning speed  
**40 000 pts/sec**

Accuracy ( $2\sigma$ )  
**30  $\mu$ m**

Laser line length  
**100 mm**

### ▶ SCANNER SPECIFICATIONS

Line resolution	140 $\mu$ m
Stand-off distance	50 mm
Field of view	100 mm
Max frequency	90 Hz
Typical probing error (MPEp)*	30 $\mu$ m
Multi stylus test accuracy (MPEal)*	30 $\mu$ m

### ▶ MACHINE SPECIFICATIONS

Machine interface	Driven CMMs
Probe compatibility under the scanner	Hard probe, Renishaw TP 2/20/200
PC communication	Ethernet

*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  $\mu$ m + 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

