

Kreon

- French company
- 3D measuring solutions
- Research & development
- 30 years of experience
- Worldwide distribution network



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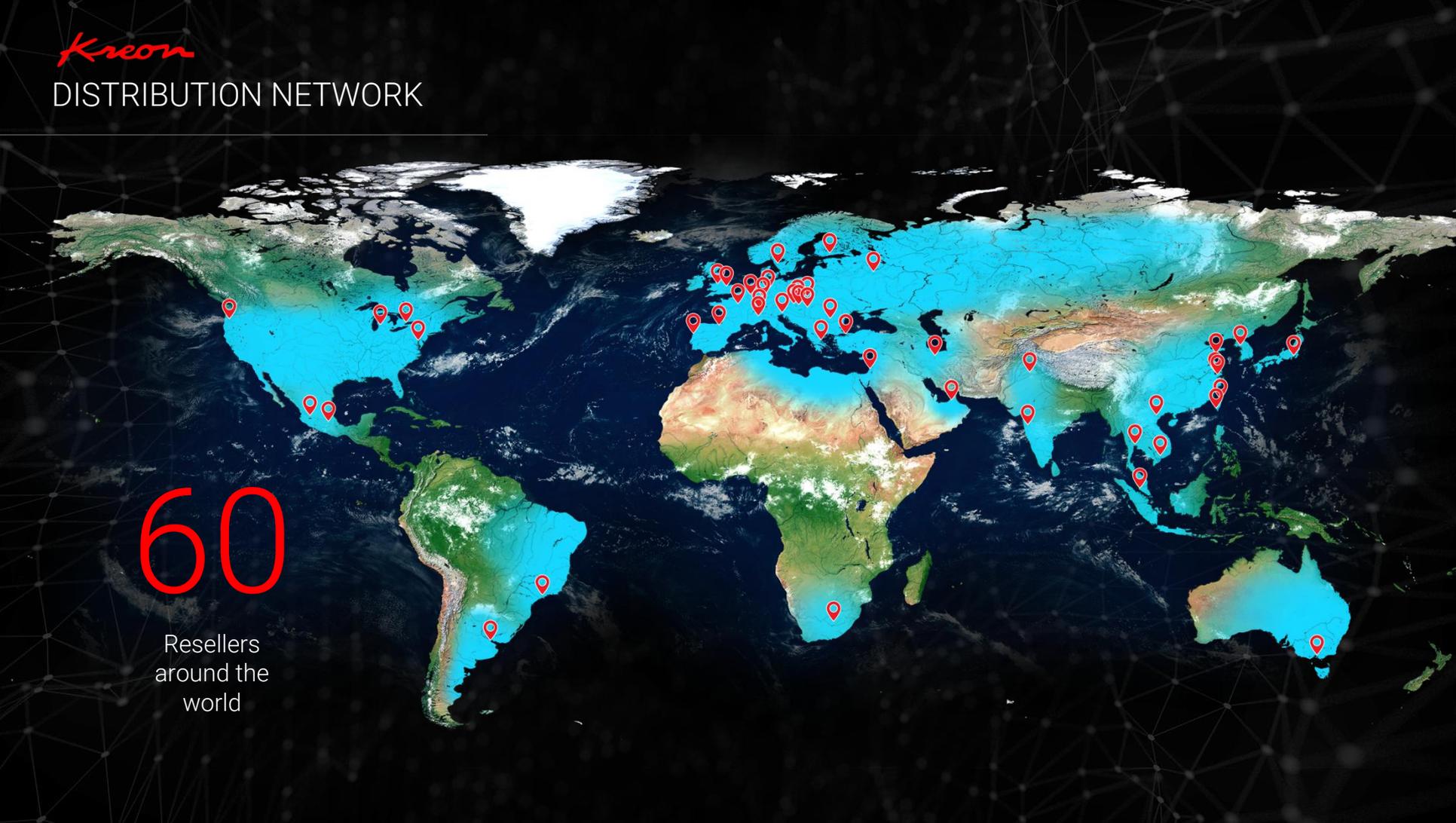
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Kreon

DISTRIBUTION NETWORK

60

Resellers
around the
world





KREON 3D MEASURING SOLUTIONS



▶ Measuring arms

High technology arms for scanning and probing



▶ 3D scanners

Various scanners for all applications



▶ Tracking solutions

Manual and automated solutions

Kreon



ACE MEASURING ARM RANGE

Portable CMM

Kreon

ACE SKYLINE SCANNING ARM



ACE MEASURING ARM WITH SKYLINE 3D SCANNERS

Three scanners available
Depending on your needs



- **Save more time**
Wide laser line up to 200 mm*, high speed and frequency.
- **Scan the exact reality**
High resolution (up to 25 μm^*) and accuracy (up to 9 μm^*), HD camera, 2000 pts per line*.
- **Scan any part**
Ready for any surface, whatever the appearance, color or brightness.

**Depending on the model of the Skyline scanner*

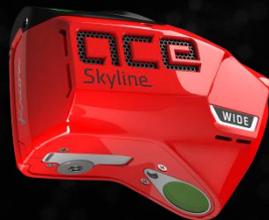
*Volumetric accuracy of Ace Skyline from 0,043 mm
With Skyline Eyes scanner and Ace+ 2,5 m.*

[VIDEO](#)

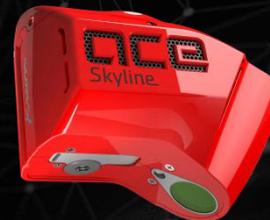
NEW RANGE OF SKYLINE SCANNERS



SKYLINE
EYES



SKYLINE
WIDE



SKYLINE
OPEN

Max scanning speed	600.000 pts/sec	600.000 pts/sec	200.000 pts/sec
Accuracy (2 σ)	9 μ m	15 μ m	15 μ m
Line resolution	25 μ m	50 μ m	50 μ m
Max laser line width	100 mm	200 mm	100 mm
Max frequency	300 Hz	300 Hz	200 Hz
Laser line color	Blue	Blue	Blue
Points on laser line	2 000	2 000	1 000

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ACE MEASURING ARM



Ace 6 axes



Ace 7 axes



Kreon scanners
and probe ready



ISO
Standard



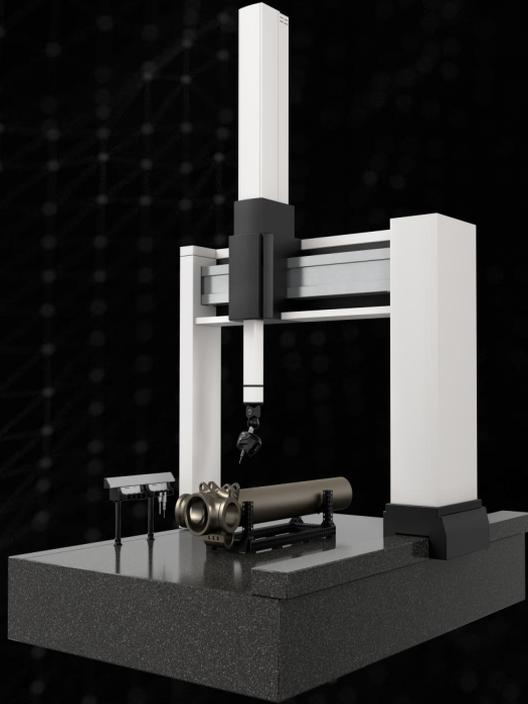
Temperature
regulated

Volumetric accuracy

6 axes: from **35** μm

7 axes: from **33** μm

- ▶ Portable: battery, WiFi, temperature compensation, universal Brunson attachment
- ▶ Easy to use: quick set-up, counterbalanced, infinite joint rotation, no warm-up, lightness of the handling, probe auto detection
- ▶ ISO 10360-12 compliance
- ▶ Compatible with leading metrology software



SCANNERS FOR CMMs

Reach high productivity levels

Kreon

SCANNERS FOR CMMs



Perfect integration on CMM's

- **Kreon 3D scanners**

A wide range of Kreon 3D scanners are compatible on CMM's: Zephyr III, Zephyr II Blue and Solano CMM.

- **Scanning and probing**

Scanning and probing in the same measuring range with the probe integrated under Kreon scanner.

- **CMM compatibility**

Zephyr III scanners are compatible with a very large number of CMMs on the market.

- **Automating**

CMM and scanner controlled by a single software.
Possibility of offline programming.
Automated tool change: Rack Auto change ACR3.

- **Multiorientation**

Scan all faces of parts with PH10 (T, M and MQ) motorized head.

SCANNERS FOR CMMs



ZEPHYR III
50



ZEPHYR III
150



ZEPHYR II
BLUE



SOLANO CMM

Max scanning speed

600.000 pts/sec

600.000 pts/sec

250.000
pts/sec

40.000
pts/sec

Accuracy (2σ)

5 μ m

14 μ m

10 μ m

30 μ m

Line resolution

15 μ m

50 μ m

50 μ m

140 μ m

Max laser line width

50 mm

150 mm

70 mm

100 mm

Max frequency

300 Hz

300 Hz

250 Hz

90 Hz

Laser line color

Blue

Blue

Blue

Red

Points on laser line

2 000

2 000

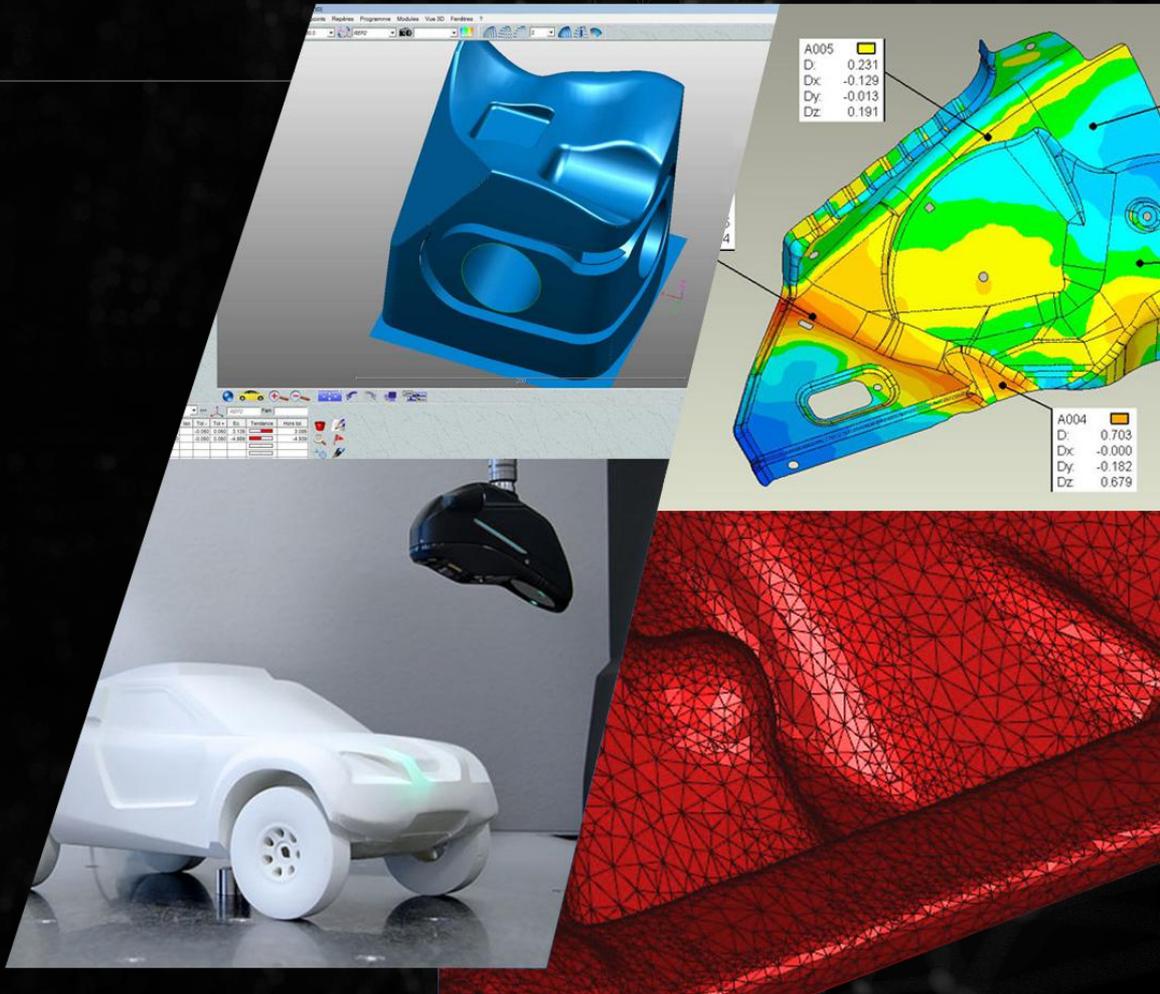
1 000

450



APPLICATIONS

- Reverse engineering
- Cad based inspection
- First article inspection
- 3D measurement
- Rapid prototyping
- Quality control
- Fast inspection
- And much more





POLYGONIA PLUGIN

SOFTWARE COMPATIBILITY

- ArcoCAD
- CAPPS
- Geomagic:
Control X - Design X - Wrap
- Inca3D
- Metrolog:
X4 – EVO – I-Robot
- PolyWorks:
Inspector - Modeler
- PowerINSPECT
- PowerSHAPE
- SpatialAnalyzer
- TeZetCAD
- Verisurf

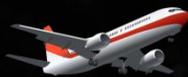
Polygonia SDK

Polygonia SDK offers all the necessary development tools to interface Kreon scanners with any arm or machine in a third-party application.





Automotive



Aeronautics



Consumer goods



University

KREON CUSTOMERS

Activity sectors



Kreon
AUTOMOTIVE



PSA PEUGEOT CITROËN



MARKIV

IVECO



DELPHI



GRUPPO
PROMA



Great Wall



THAILAND
AUTOMOTIVE
INSTITUTE

Johnson
Controls



faurecia



JAC
MOTORS



BUSAN
TECHNO PARK



CHERY



HAMA



wdi

AVTO
DIAMOND

FITT



Brilliance Auto
华晨汽车



TRW

MOPISAN
AUTOMOTIV PARTS

ThyssenKrupp

SAE Institute

EDAG



潍柴动力
WEICHAI POWER

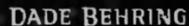
SAB



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AERONAUTICS







UNIVERSITY & RESEARCH CENTERS

