



Ace measuring arm &
Skyline scanners:

Skyline Skyline Skyline
EYES - WIDE - OPEN

ACE
Skyline

THE PERFECT COMPANION
FOR 3D SCANNING

Kreon®

ACE SKYLINE SCANNING ARM

Ace Skyline combines two of the most advanced Kreon® solutions, the Ace arm and the Skyline 3D scanner, providing a high performance system for contact and non contact 3D measurements.

The speed of the Skyline 3D scanner allows to digitize any part in a blink of an eye. **Its accuracy detects the smallest details of the most complex parts.** Being integrated on Ace arm, the Skyline scanner is an ergonomic system, perfect for scanning without efforts.

SAVE MORE TIME

with a reliable, performant and easy to use system, at an incredible acquisition speed.

SCAN ANY PART

dark or clear, dull or shiny, big or small or all at once. Its freedom of movement enables an access to internal or back side of difficult or closed volumes.

SCAN ANYWHERE

in a metrology room, a workshop, on a machine tool or even outside, due to temperature compensation

CONTROL WITH CONFIDENCE

the freeform parts with the extreme accuracy of Skyline scanner and the geometrical elements with the probe integrated under the scanner.

"All you need ...

Portable

Integrated battery
Wi-Fi connexion for probing
Temperature compensation
Universal Brunson attachment

Safe

Axes' limits autodetection
Stable magnetic rest position
Parking position amortizer
Laser class 2M (no protection needed)

Easy to use

Quick set up
Freedom of movement
Short learning curve
No warm-up time
Compatible with leading metrologic software

Flexible

Removable scanner
Probe diameter autodetection
Ergonomic handle
«Push and Pull» trigger

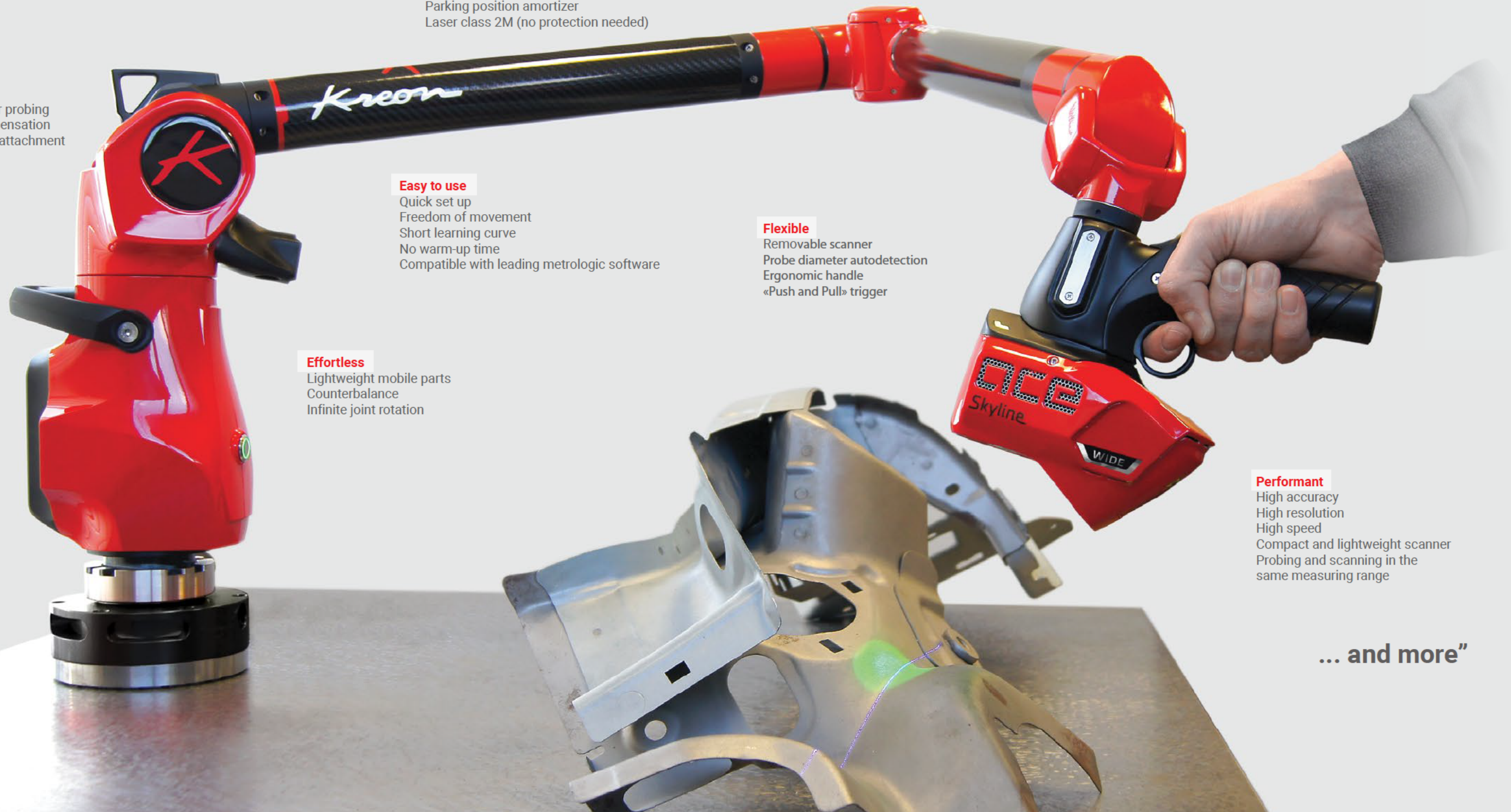
Effortless

Lightweight mobile parts
Counterbalance
Infinite joint rotation

Performant

High accuracy
High resolution
High speed
Compact and lightweight scanner
Probing and scanning in the same measuring range

... and more"



A THREE SCANNERS' RANGE

Skyline scanners integrate high level technologies developed by Kreon for more than 25 years. In addition to their outstanding performance, they are reliable, stable, robust and suitable for most working environments.

Based on the same technological platform, Skyline 3D scanners are performed in three models: the Skyline **Eyes**, **Wide** and **Open**.

	Accuracy	Scan rate	Speed	Resolution
SKYLINE Eyes				
Wide				
Open				

Find out specifications at the next page

To better capture reality, keep
“EYES WIDE OPEN”

ADVANCED SCANNING SPEED 200mm* laser line

- ▶ Decreased number of scan passes on the part given to max 200 mm laser line*
- ▶ Faster movement of the 3D scanner assured by the increased frequency
- ▶ Acquisition speed of 600,000 points/sec, allowing to quickly get the dense point cloud*
- ▶ Ergonomic “push and pull” handle, providing a fabulous scanning efficiency

HIGH RESOLUTION 25µm* AND HIGH ACCURACY 9µm*

- ▶ 2,000 points per laser line for a high resolution level*
- ▶ Optimal accuracy, even on shiny reflective surfaces, due to blue laser fineness
- ▶ Temperature compensation of the 3D scanner to avoid pre-heating and to maintain a constant accuracy

EASE OF USE

- ▶ Scan longer owing to the 3D scanner lightness (weight less than 400 g)
- ▶ Reach and scan the hard-to-access zones of each part, thanks to compactness
- ▶ Visualize precisely the ideal scanning distance with the LED indicator
- ▶ Remove the scanner rapidly and without any tool to accelerate the probe mounting

Software used for probing and scanning:
Polyworks, Metrolog, Geomagic, PowerInspect, Capps, etc

*maximum values depending on the Skyline scanner model

SKYLINE EYES

THE MOST ACCURATE



catches the eye on the most
challenging parts and
applications

SKYLINE WIDE

THE FASTEST



is wide-awake to scan large
surfaces at high speed

SKYLINE OPEN

THE MOST AFFORDABLE



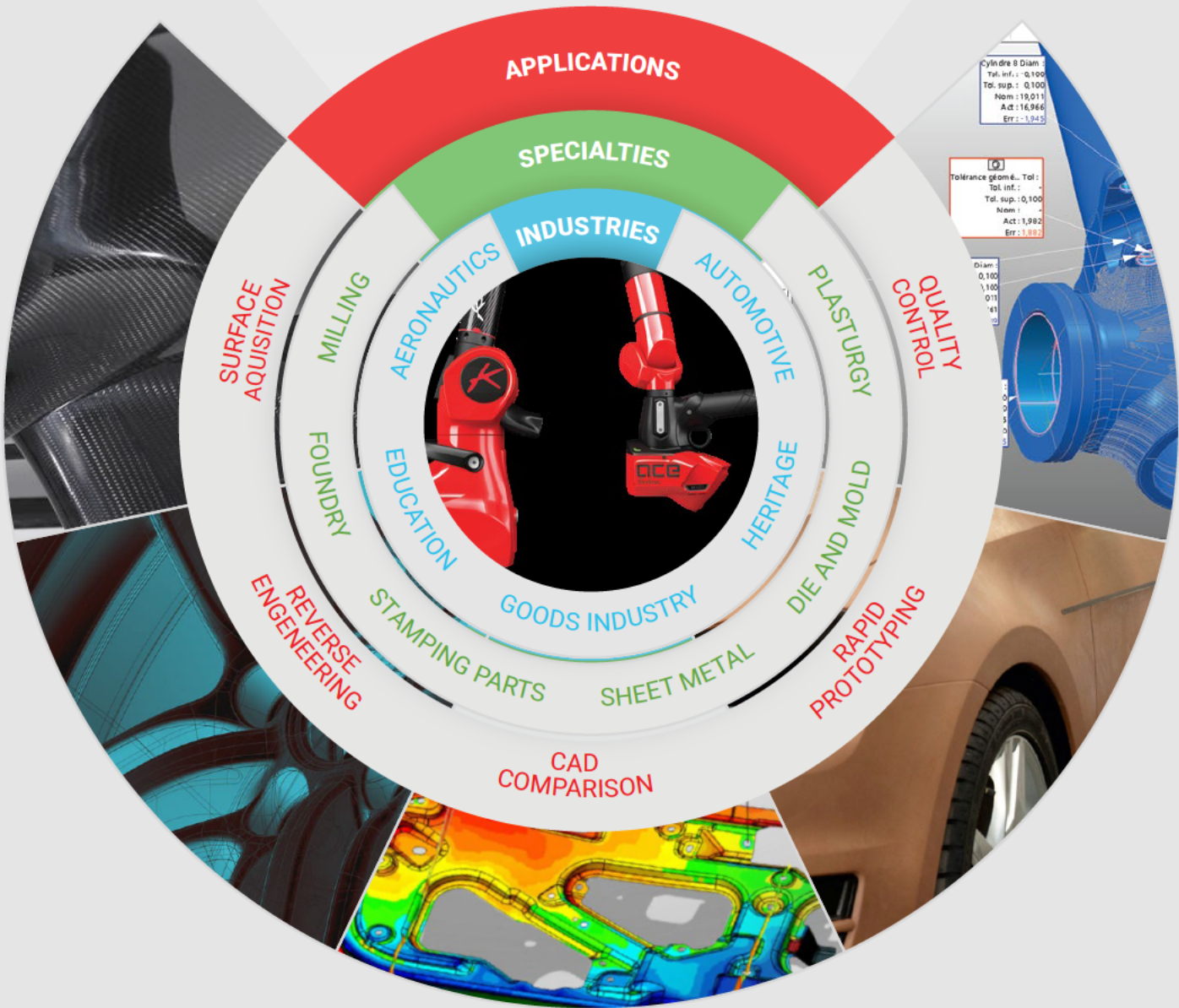
is open to any kind of
project and application



APPLICATIONS

Kreon fulfills the needs and expectations of demanding customers regarding quality control, 3D measurement, deviation viewing, providing highly effective measurement solutions since many years.

Ace Skyline optimizes
all your 3D measurement
processes



SPECIFICATIONS

SKYLINE SCANNERS RANGE

	EYES	WIDE	OPEN
Max scanning speed	600.000 pts/sec	600.000 pts/sec	200.000 pts/sec
Accuracy* (2σ)	9 μm	15 μm	20 μm
Max laser line width	100 mm	200 mm	100 mm
Max frequency	300 Hz	300 Hz	200 Hz
Laser line color	Blue	Blue	Blue
Line resolution	25 μm	50 μm	50 μm
Stand-off distance	90 mm	85 mm	85 mm
Field of view	80 mm	110 mm	110 mm
Led indicators	Yes	Yes	No
Temperature compensation	Yes	Yes	No

All specifications are subject to change without notification
*According to ISO 10360-8 standard

ACE SKYLINE SCANNING ARM

Arm model	Axes	Working volume	Scanning performances			Probing performances*	
			Ace Skyline Eyes	Ace Skyline Wide	Ace Skyline Open	Single point repeatability	Volumetric accuracy
Ace-7-20	7	2 m	0.038 mm	0.042 mm	0.047 mm	0.022 mm	0.032 mm
Ace-7-25	7	2.5 m	0.044 mm	0.048 mm	0.053 mm	0.027 mm	0.038 mm
Ace-7-30	7	3 m	0.057 mm	0.061 mm	0.066 mm	0.042 mm	0.051 mm
Ace-7-35	7	3.5 m	0.068 mm	0.072 mm	0.077 mm	0.054 mm	0.062 mm
Ace-7-40	7	4 m	0.080 mm	0.084 mm	0.089 mm	0.069 mm	0.074 mm
Ace-7-45	7	4.5 m	0.095 mm	0.099 mm	0.104 mm	0.078 mm	0.089 mm

All specifications are subject to change without notification
* According to ASME B89 4.22 standard

Operating temperature range: 10-45 °C
Power supply: universal worldwide voltage 100-250V
Humidity: 95%, non condensing
IP51

Arm size	2 m	2.5 m	3 m	3.5 m	4 m	4.5 m
Part size						
Accuracy						





60

