



ACE SKYLINE
Scanning Arm
2 m to 4.5 m

- ▶ Max 200 mm laser line width
- ▶ Very high speed: up to 600.000 pts/sec
- ▶ Blue laser accuracy: 15µm

ACE
Skyline

THE PERFECT COMPANION
FOR 3D SCANNING

Kreon

ACE SKYLINE

The speed of the new scanner Skyline allows to digitize any part in record time. **Its accuracy detects the smallest details of the most complex parts.** The Skyline scanner integrated on Ace arm is an ergonomic system perfect for scanning without efforts.

► PRODUCT ADVANTAGES

Advanced scanning speed

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

High resolution and accuracy

- 2 000 points per laser line for a high resolution level.
- Optimal accuracy due to blue laser fineness, even on shiny reflective surfaces.
- Temperature compensation of the 3D scanner for its usage without pre-heating and maintaining of constant accuracy

Ease of use

- Scan longer due to the 3D scanner lightness (weight under 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: Metrolog, Polyworks, Geomagic, Powerinspect, Capps, etc.



► MAIN APPLICATIONS

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

► SKYLINE SCANNER SPECIFICATIONS

Max scanning speed	600.000 pts/sec
Accuracy	15 µm
Max laser line width	200 mm
Max frequency	300 Hz
Laser line color	Blue
Line resolution	50 µm
Stand-off distance	96 mm
Field of view	130 mm

► ACE SKYLINE SCANNING ARM SPECIFICATIONS

Arm model	Axis	Working volume	Scanning performance	Probing performance	
				Single point repeatability	Volumetric accuracy
Ace-7-20	7	2 m	0.042 mm	0.022 mm	0.032 mm
Ace-7-25	7	2.5 m	0.048 mm	0.027 mm	0.038 mm
Ace-7-30	7	3 m	0.061 mm	0.042 mm	0.051 mm
Ace-7-35	7	3.5 m	0.072 mm	0.054 mm	0.062 mm
Ace-7-40	7	4 m	0.084 mm	0.069 mm	0.074 mm
Ace-7-45	7	4.5 m	0.099 mm	0.078 mm	0.089 mm

All specifications are subject to change without notification

► HARDWARE SPECIFICATIONS

Operating temperature range: 10-45 °C

Humidity: 95%, non condensing - Power supply: universal worldwide voltage 100-250V



Kreon Technologies - Ester Technopole 19 rue Columbia, 87068 Limoges - FRANCE
www.kreon3D.com - info@kreon3d.com