



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
- ▶ Accuracy: 15µm
- ▶ Blue laser

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, providing a 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 using it 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 (2σ)	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	Axes	Working volume	Scanning performances	Probing performances*	
				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

* According to ASME B89 4.22 standard

▶ HARDWARE SPECIFICATIONS

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

