



THE PERFECT COMPANION FOR 3D SCANNING



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

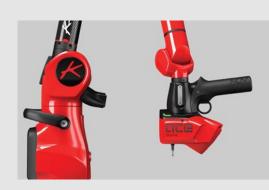
High resolution and accuracy

- ▶ 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

HARDWARE SPECIFICATIONS

Operating temperature range: 10-45 °C

Power supply: universal worldwide voltage 100-250V

Humidity: 95%, non condensing - IP51



^{*} According to ASME B89 4.22 standard