COMPACT S5

polyga

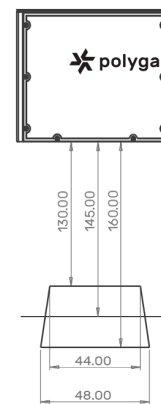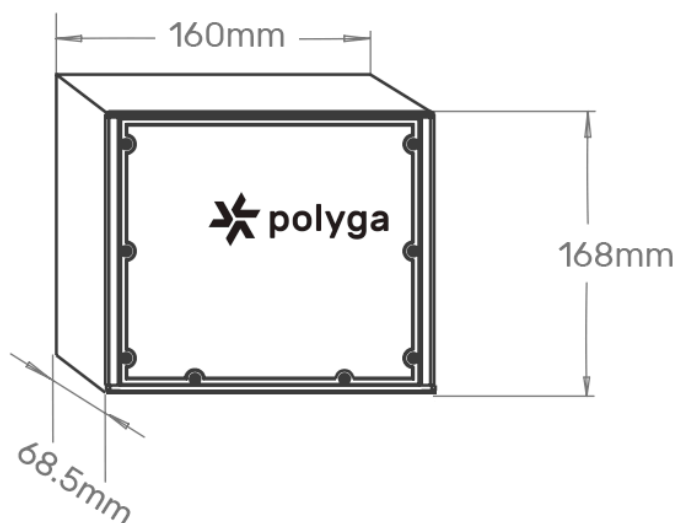## Polyga S5 MACRO Scanner | Reliable X Macro

Capture The Smallest Details

The Compact S5 Macro is an industry ready 3D scanner that enables engineers to digitize parts 1 to 5 centimeters in size at 5 micron accuracy. It generates high-resolution 3D scans in under a second, and comes in a rugged enclosure.
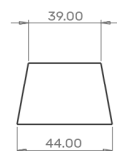
Powerful features are accessible through the software SDK (SBSDK) which enables easy integration of the scanner into industrial automation or robotics systems.

Features

- 5-Micron Accuracy
- Industry Ready
- Instant Scan
- Extreme Detail
- ColorScan Technology
- Built to Last
- Flexible Integration
- Multi Sensor Setup
- Industrial Mounting Options

160mm

168mm

68.5mm

130.00 145.00 160.00

44.00

48.00

Top View

39.00

44.00

Side View

Technical Specs

DIMENSIONS	Product dimensions	W = 160 mm H = 68.5 mm L = 168 mm
ACCURACY & RESOLUTION	Accuracy	5µm
	Point to point distance	0.021mm
	3D resolution, up to	Up to 5 million
FIELD OF VIEW	Standoff	130mm - 160mm
	Minimum field of view, D / H × W	130mm standoff 59mm / 39mm x 44mm
	Maximum field of view, D / H × W	160mm standoff 65mm / 44mm x 48mm
SCAN SPEED	3D reconstruction rate for real-time	250 ms
TEXTURE	Texture capture support	Yes
	Texture resolution	5.0 Megapixel
	Colors	Yes
	Photo texture support	Yes
PROJECTOR & CAMERA	Light projector	LED projector
	Capture camera	2 x 5.0 Megapixel Cameras
CONNECTIVITY	Input / Output	USB 3.0
COMPUTER REQUIREMENTS	Support OS	Windows 10, 11 x 64. Not compatible with Netbooks or Macintosh computers.
	Minimum computer requirements	Any Intel Core or AMD Ryzen CPU with 16+ GB of RAM
		Dedicated DirectX 9.0c compatible GPU
FREE DISK SPACE	Recommended free disk space	1 TB or more; 7200 rpm
	Minimum free disk space	50 GB or more
OUTPUT FORMATS	3D mesh	3D3, ASC, OBJ, PLY, STL, FBX
POWER SOURCE	Power source	12V ⎓ 6A AC/DC Power