



open technologies

Optical 3D Scanner

OPTICAL 3D SCANNER

i n d u s t r i a l l i n e



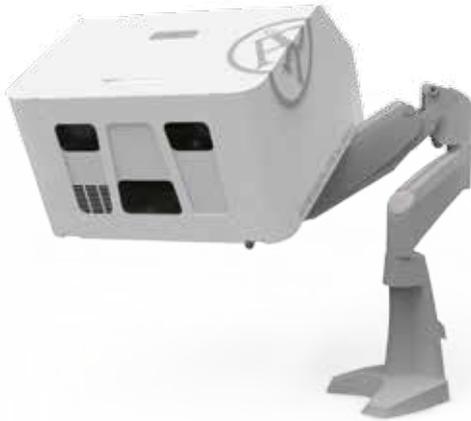
3D SOLUTIONS

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www.scanner3d.it/en



auRum3D



auRumLT

Open Technologies **Aurum** series is the line of 3d digitizer designed for the jewelry segment. However its performances are highly appreciated anywhere the need is to scan small parts. Tooling or Mini Figures design became major applications as well.

Aurum scanners are well known for their sensitivity to details, they are the ultimate solution for whoever is looking in the domain of 3d scanners for the highest possible result and accuracy.

Both **Aurum 3D** and **Aurum LT** are desktop solutions, scanning process is highly automated, most of the times users efforts are limited to model positioning and a simple mouse click. Alignments are automatic, shapes complexity is no longer an obstacle.

Another State Of the Art equipment, by Open Technologies.

AURUM 3D	FEATURES	AURUM LT
110 x 80 mm	Field of view	110 x 95 mm
2 x 3.1 MPixels	Camera Resolution	2 x 1,31 MPixels
53	Point Spacing	86
4 kg	Weight	10 kg
LED	Light Source	LED
OPTICAL REVENG	Scanning Software	OPTICAL REVENG

GENERAL SPECIFICATIONS

- CE certification
- Output: .STL, .OBJ, .PLY, .OFF, Curves and section in .Iges
- Connectivity: USB2, HDMI Optical Head, USB rotary table

HARDWARE SPECIFICATIONS

- Light source: LED
- Working Temperature: 16 - 28 °C
- Power supply: 110-220 volt
- Power Consumption: 80w
- Weight: 4kg aurum 3d
10kg aurum lt
- Size: 50 x 29 x 48 cm (LT)
23,5 x 23,5 x 14 cm (3D)



OPTICAL **REVENG24** SOFTWARE FEATURES

OpenTechnologies' Optical Reveng:

- Automatic Alignments: Features based, Targets, 3 Points, Turning table axis alignment
- Photogrammetry based alignment: Constrain your 3d Data in a photogrammetry dataset
- Customized Mesh generation profiles
- Plane Based Alignment

Mesh repair features including:

- Mesh Optimization
- Noise reduction
- Edges sharpening
- Decimation
- Remeshing
- Color propagation
- Defeature
- Manifold
- Hole filling and bridging
- Intersections repair

Outputs:

- Point clouds: .pc/.asc/.xyz/.pts/.npts/.vtx/.e57/.pcd/.pwn
- Meshes: STL Binary and Ascii / PLY Binary and Ascii / OBJ wavefront / OFF Binary and Ascii
- Polylines: .lges of planar sections or Curves

OPEN TECHNOLOGIES' ACCESSORIES

- Rotating manipulator TRM05 e TRM010
- Spray Matting powder
- Targets
- Flight Case
- Stative stand mod. Manfrotto Salon



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