New Game Changer in 3D Printing

TECCAM 600 and 800 Breaks new barriers in 3D-Print

*Cost-effective ownership throughout entire life cycle.
*Freedom to collaborate and innovate: open design for materials and machine access.
*Printed parts demonstrate excellent sidewall quality and fine detail, contributing to lower post-finishing requirements.

System Features

- Scanning speed can reach 16 m/s.
- Key components from international top brands. Laser; "Optowa" Scanner "Scanlab"
- "VSZ" Variable Spot Size Automatic control
- Granite/Marble recoater frame , Z frame and Laser frame for enhanced very high stability.
- CE certification By TÜV.
- Slim Design

Technical Data

Specifications updated 2021 are subject to change;

	TECCAM 600	TECCAM 800
Build Envelope Capacity	600 x 600 x 400mm	800× 800 × 500m
Maximum Part Weight	45 kg	55 kg
Accuracy **Accuracy may vary depending on parameters, part geometry and size, pre-processing or post-processing methods, materials and environment.**	Part size ＜ 25 mm: ±0.05 mm Part size ＜ 150 mm: ±0.10 mm Part size ≥ 150 mm: ±0.1% x L	Part size ＜ 25 mm: ±0.07 mm Part size ＜ 150 mm: ±0.15 mm Part size ≥ 150 mm: ±0.15% x L
Beam Size **VSZ** Variable Spot Size	Standard Beam 0.075– 0.800 mm	Standard Beam 0.075– 0.800 mm
Scanning Speed	16m/s (Maximum)； 8 -10m/s (Typical)	16m/s (Maximum)； 8-10m/s (Typical)
Layer Thickness	0.05 mm minimum; 0.25 mm maximum	0.05 mm minimum; 0.25 mm maximum
Weight	1250 kg 240 kg initial fill inside; densety 1	1950 kg 500 kg initial fill inside; densety 1
Machine Size WxDxH	1180×1290×2240 mm	1400×1490×2470 mm

TECCAM 600 / 800

Laser	Solid-state frequency tripled Nd: YVO_4
Wavelength	355 nm
Controller	TECCAM
Part Preparation	All open systems
Operating Systems	Windows 10
Input Data File Format	STL
Network Type and Protocol	Ethernet, IEEE 802.3 using TCP/IP and NFS
Electrical Requirements	240 VAC, 50/60 Hz, single phase, 13A
Laser Warranty	12 months
Recoater Frame	Granite/Marble
Systems Control	Closed-loop
Power (nominal)	Typically 250 ~ 350 mW on the target surface of the material under nominal optical path condition
Operating Environment：	
Temperature Range	(22–29 °C)
Maximum Change Rate	1 °C/hour
Relative Humidity	< 60 % non-condensing (Resin normal < 45%)
Accessories ：	
Additional bulild platform	Optional
Processing and Finishing	Post-Curing Unit (optional)
System Warranty	12 months warranty

TECCAM

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