

# New Game Changer in 3D Printing



## TECCAM 300 and 400 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

	TECCAM 300	TECCAM 400
Build Envelope Capacity	300 x 350 x 350mm	450x 450 x 350m
Maximum Part Weight	35 kg	35 kg
Accuracy	<p>Accuracy may vary depending on parameters, part geometry and size, pre-processing or post-processing methods, materials and environment.</p> <p>Part size &lt; 25 mm: ±0.025 mm Part size ≥ 25 mm: ±0.1% x L</p>	<p>Part size &lt; 25 mm: ±0.025 mm Part size ≥ 25 mm: ±0.1% x L</p>
Beam Size VSZ Variable Spot Size	Standard Beam 0.10– 0.20 mm or Small Beam 0.06 – 0.10 mm ,optional	Standard Beam 0.10– 0.20 mm
Scanning Speed	16m/s (Maximum) ; 8 -10m/s (Typical)	12m/s (Maximum) ; 6 -10m/s (Typical)
Layer Thickness	0.05 mm minimum; 0.25 mm maximum	0.05 mm minimum; 0.25 mm maximum
Weight	775 kg 70 kg initial fill inside; density 1	1085 kg 140 kg initial fill inside; density 1
Machine Size WxDxH	1105×1052×1965 mm	1331×1368×2140 mm

## TECCAM 300 / 400

Laser	Solid-state frequency tripled Nd: YVO <sub>4</sub>
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
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

