

Raise3D S200-C Technical Specifications

Construction	Workload Envelope (W × D × H)	200× 200× 200 mm (7.87 × 7.87 × 7.87 inch)
	Machine Size (W × D × H)	1434 × 1137 × 1974 mm (54.46 × 44.76 × 77.72 inch)
	Net Weight	About 800 kg (1760 lbs)
Electrical	Power Requirement	380-400 VAC, 50/60 Hz, 3 Phase (5 Wire), 45 A / 30 kW Peak Draw
Environmental Conditions	Relative Humidity	≤ 50%
	Ambient Temperature	5°C to 35°C
	Altitude	≤ 1000 m
	Grounding	Must Be Equipped with a Ground Wire
	Compressed Air Piping	Must Use Purified Compressed Air (Filtering Precision Less Than 40), Pressure Range: 0.4-0.7 MPa
	Process Gas	Argon and Nitrogen Purity ≥ 99.999%, Pressure Range: 0.1-0.4 MPa
General	Cooling Water	Temperature: 25 to 28°C, Pressure Range: 0.2-0.3 Mpa
	Sinter Running Time	About 20 hours
	Peak Internal Temperature	1450°C (2642°F)
	Overheating Protection	1500°C
	Trays	Adjustable Multi-level Trays (6-position)
	Gas Types	Argon, Nitrogen
	Max Heat Load	14 kW
	Sintering Workload	5832 cm ³ (356 in ³)
	Atmosphere	Partial-pressure Sintering (Vacuum-enabled)
	Thermal Uniformity	±5°C at Sintering Temperatures
	Safety Control	Front-mounted E-stop Over-temperature Protection
	Sound Pressure Level in the Operator's Position	L _{PA} =49.9 dB(A)
	Sound Power Level	L _{WA} =58.8 dB(A)
Material	Metal FFF Printing	Ultrafuse® 316L; Ultrafuse® 17-4PH
	Metal Injection Molding (MIM)	Low Alloy Steel; Stainless Steel; Special Alloy; Soft Magnetic Alloy; Tool Steel
Software	Remote Software	ideaMaker for Metal, RaiseCloud
Platform Support	Network Connectivity	WLAN and Ethernet
	Onboard Control	7-inch Touchscreen Display
	Browser Requirements	Accessible via Any Web Browser
	Automation	Auto-generated Temperature and Pressure Profiles Live Job Progress Tracking