

SPEC SHEET

SCRAP 1

Laser Powder Bed Fusion Metal 3D Printer

SCRAP LABS



SCRAP 1 3D PRINTER RENDERING //
*ACTUAL FORM MAY DIFFER

SYSTEM SPECS	
Build Volume	100×100×100 mm (~4×4×4 in)
Physical Dimensions	43W×50D×57H cm (16.9W×19.7D×22.4H in)
Weight	30 kg (66 lb)
AC Input	100-240V AC, 50-60 Hz, single phase
Power Consumption	500W max (250W avg)
Working Temp	10°C to 30°C (50°F to 86°F)
Gas	Ar/N ₂ , 5 SCFH (2.4 L/min); N ₂ gen optional
Filtration	HEPA
Laser	200W @ 915 nm
Spot Size	~135 μm (~0.0053 in)
Max Scan Speed	1,500 mm/s (5 FPS)
Layer	20-100 μm (0.0008-0.004 in)
Density	+99%
Cooling	Integrated liquid and air
Firmware	Klipper (open source)
Slicers	ScrapSlicer, PrusaSlicer, OrcaSlicer
Connectivity	Browser dashboard, Ethernet, WiFi, USB
Materials	Stainless steel, Tool steel, Cu, Ni alloy, CoCr