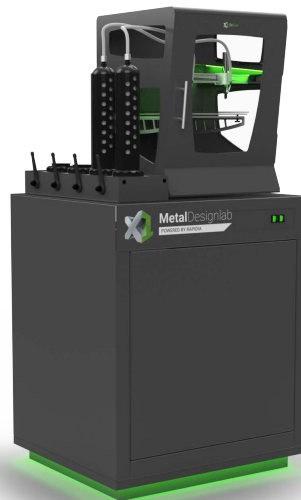


## X1 METAL DESIGNLAB™ PRINTER

The world's fastest, office-safe metal 3D printer



The X1 Metal Designlab™ by Rapidia is made possible with Hydrofuse™, an innovative water-based paste containing metal or ceramic powders. The Metal Designlab can print 100% solid metal of any thickness, delivering maximum strength parts suitable for a wide variety of demanding pre-production and end-use applications.

### TECHNICAL SPECIFICATIONS

Build Envelope	Volume	Materials	Max Build Rate	
200 x 280 x 150 mm (7.75" x 11" x 6")	8400 cm <sup>3</sup> (511 in <sup>3</sup> )	316L, 17-4PH, more to come	40cc/h (2.4in <sup>3</sup> /hr)	
Print Accuracy	External Dimensions	Weight	Power	# of print heads
± 1% dimensional tolerance	178 x 70 x 157 cm (31 x 27.5 x 62 in)	100 kg; 120 kg with four full metal cartridges	110-125 VAC, 50/60 Hz, 12 A max	Two independent heads

*Specifications subject to change without notice*

### SYSTEM BENEFITS

- The original two-step bound metal printing process. Eliminates chemical or lengthy thermal debinding requirements, driving final part delivery times to a simple overnight sintering.
- More metals plus ceramics. Today, we offer 17-4PH and 316L stainless steels, but other metals and ceramics are on the way and are simple to swap out with our HydroFuse™ canisters.
- Highly affordable. When you eliminate binder, you eliminate a debinding unit and expensive solvents.
- Our printer is as easy as an entry-level plastic system. Our software is a breeze and the process mirrors printing plastic. All of our metals are bound in our paste, so there's no loose powder.
- Completely office safe and office friendly. By eliminating 98% of the binders, we also eliminate debinding odors in the office. Our process has no solvents, no fumes, no odors or no need to dispose of waste polymer.