

Metal X.

Complete 3D Metal Printing System.

The Metal X 3D printing system, consisting of 3D printer, washing station and sintering furnace, significantly accelerates your design innovation and delivers metal components overnight. Forget 20th century manufacturing and create everything from industrial spare parts to injection moulds and working prototypes.

Thanks to the innovative **Atomic Diffusion Additive Manufacturing Technologie (or ADAM for short)** the components achieve outstanding mechanical properties and enormous rigidity even in the z-direction.

Contact: www.mark3d.com/en | printstronger@mark3d.co.uk |
0800 193 36500 or simply scan the adjacent QR code.



Metal X		
Price	3D printer with Washing Station & Sinter Furnace 2 including 3 years success plan	£ POA
	3 years success plan	£ POA
	EIGER Software Cloud Online version included	✓
	EIGER Software Desktop Online version included	✓
	Optional: EIGER Software On Premise version incl. 1 year Support	£ 3,950
	Additional year's Support EIGER Software	£ 800
3D printer Features	Print technology	Atomic Diffusion Additive Manufacturing (ADAM)
	Working Space [X, Y, Z]	300 x 220 x 180 mm
	Dimensions [W x D x H]	575 x 467 x 1,120 mm, 75 kg
	Power	100-240VAC, 2400W (20A peak), IEC60320 Type C20
Characteristics component	Maximum component size	250 x 183 x 150 mm
	Maximum component weight	10 kg
	Density	max. 94,5 % bis 99,7 % (depending on material)
	Infill	closed honeycomb structure and solid material
Software	Software	Cloud-based
	Security	Two Factor Authentication, Administrator Organization
Materials	Available Materials	1.4542 (17-4 PH); 1.2344 (H13); 1.2363 (A2); 1.2379 (D2); 1.7744 (Inconel 625); Copper
	Material	Bound Powder

For more information on the Metal X, please visit www.mark3d.com/en/3d-printers/metal-x/

Prices quoted may change and are subject to VAT & shipping.

Washing Station	
Supported Materials	All available Materials
Cleaning Fluid	Hexane (Temperature class according to ATEX: T3)
Service	Manual filling of the green compacts, Solvent filling by pump
Workholding	Stainless Steel Basket
Washing size [W x D x H]	500 x 900 x 1635 mm
Washing volume	28,5 l

Sinter Furnace 2	
Supported Materials	All available Materials
Heater element	Kanthal
Maximum temperature	1300° C
Sintering Capacity	Rectangle with top radius – 248 mm inner diameter x 406 mm length
Sintering Volume	12.135 cm ³
Sintering Area	1.644 cm ²
Gas types	Argon and Argon-Hydrogen mixed gas
Retort	High purity refractory retort (Carbon Free)
Sintering Surface	Ceramic
Environmental Requirements	external exhaust not included (100 - 150 CFM)
Input	230V, 1 Phase, 32A
Overtemperature	Protection System included
Dimensions [W x D x H]	1370 x 810 x 1520 mm
Weight	350 kg

Materials		
Product	Size	Price
1.4542 (17-4) Stainless Steel	200 cm ³	£ 105
1.2344 (H13) Tool Steel	200 cm ³	£ 185
1.2363 (A2) Tool Steel	200 cm ³	£ 184
1.2379 (D2) Tool Steel	200 cm ³	£ 185
Copper	200 cm ³	£ 240
1.7744 (625) Inconel	200 cm ³	£ 265
Ceramic Support Material	200 cm ³	£ 80