

The Alpha 140 combines innovative additive manufacturing technology with particularly simple operation at low system costs. The Alpha 140 offers an optimal solution for the tool-free production of metal parts, especially for small and medium-sized companies.

Technical specifications¹

General

build volume	Ød = 140 mm x 200 mm		
shield gas input (Argon)	6 bar		
shield gas consumption	flooding	40 l / min	
	process	5 l / min	
	job Ø	10 l / min	
layer height	50 – 90 µm		

Laser and Optic

laser	diodlaser 200 W / aircooled
wavelength	915 nm
focus diameter	140 µm

Electronics

electical input	230 V 50 Hz, max. 16 A Pmax = 3 kW, singlephase
IP protection class	IP54
environment temperature	15 – 35 °C
air humidity	max. 70 %

Dimensons

dimensions (l x w x h)	1675 x 815 x 1508 mm ³
weight	ca. 500 kg ~ 1.100 lbs

Materials

materials	stainless steel 1.4404 tool steel 1.2709 nickel-based-alloy IN625 aluminum AlSi10Mg* (*system upgrade necessary) for more materials please contact
part density	up to 99.9 %
geometrie accuracy (xy)	< 100 µm

Software

SliceGen AM



¹ Reserve technical changes