

KURTZ Ersa ALPHA 140

The ideal introduction to 3D printing

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 value	Ø 140 mm x Z 200 mm	
shield gas input (Argon)	6 bar	
shield gas consumption (Argon)	flooding	40 l / min
	process	6 l / min
	job Ø	10 l / min
layer height	30 – 90 µm	

Laser and Optic

laser	fibre coupled diode laser 140 W / aircooled
wavelength	915 nm
focus diameter	140 µm

Electronics

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

Materials

materials	■ stainless steels 1.4404
	■ nickel-based alloys IN625 or IN7188
	■ Aluminum alloys ²
	■ Tool steel alloys 1.2709
	■ Others on request
part density	up to 99,9 %
geometrie accuracy (xy)	up to 100 µm

Dimensions

dimensions (L x B x H)	1675 mm x 920 mm x 1508 mm
weight	ca. 500 kg ~ 1.100 lbs

Software

LMI Slice AM

¹reserve technical changes

²Optional accessories necessary