

PLUG'N PRODUCE 

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 specifications⁽¹⁾:

General

build value	Ø 140 mm x Z 200 mm	
shield gas input (Argon)	6 bar	
shield gas consumption (Argon)	flooding	70 l / min
	process	6 l / min
	job Ø	10 l / min
layer height	30 – 90 µm	

Laser and Optic

laser	Fibre laser 200 W / aircooled
wavelength	1070 nm
focus diameter	140 µm

Electronics

electrical input	380-480 V 50/60 Hz, max. 16 A Pmax = 4 kW, three phase
IP protection class	IP54
environment temperature	15 – 35 °C
air humidity	max. 70 %

Materials

materials	■ stainless steels, e.g. 1.4404
	■ nickel-based alloys IN625 or IN7188
	■ aluminum alloys, e.g. AlSi7Mg
	■ tool steel alloys 1.2709
	■ others on request
part density	up to 99,9 %
geometric accuracy (xy)	up to 100 µm

Dimensions

dimensions (L x W x H)	1,675 mm x 1,028 mm x 1,540 mm ⁽²⁾
weight	ca. 500 kg ~ 1,100 lbs

Software

LMI Slice AM

⁽¹⁾ subject to technical change without notice

⁽²⁾ H = 2,100 mm with the cover open

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