CONCEPTLASER
a GE Additive company

M2 cusing Multilaser Metal laser melting system

Machine technology for safe processing
of aluminum and titanium alloys.

Standard design available
in grey, optional in white.

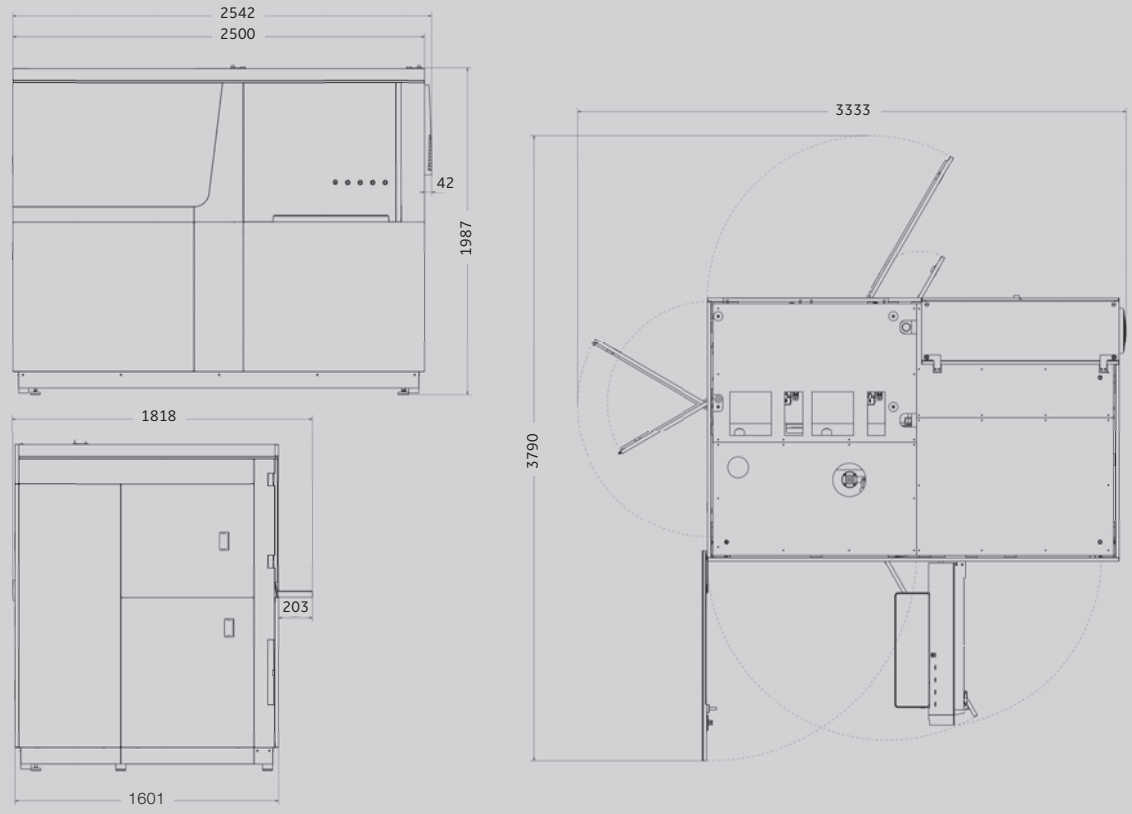
M2 cusing Multilaser TECHNICAL DATA

Build envelope LaserCUSING®	250 x 250 x 280 mm³ (x, y, z)
Layer thickness LaserCUSING®	20 – 80 µm
Production speed LaserCUSING®	2 – 35 cm³/h (depending on material / laser power)
Laser system	2 x 200 W (cw), optional 2 x 400 W (cw)
Scanning speed	7 m/s, 4,5 m/s for variable focus move
Focus diameter	50 µm, optional variable focus move (50 µm – 500 µm)
Reference clamping system (optional)	EROWA, System 3R / others on request
Connected loads	Max. power consumption 7.4 kW Power supply 3/N/PE AC 400 V, 32 A, compressed air 5 bar
Inert gas supply	2 gas connections provided N_2 generator external (optional)
Inert gas consumption	< 1 m³/h
Filtering system	integrated, with a 20 m² filter surface
Dimensions	2542 x 1818 x 1987 mm³ (W x D x H)
Weight	approx. 2.400 kg
Operating conditions	15 – 35°C

LaserCUSING® materials		
	CL 20ES	Stainless steel (1.4404)
	CL 31AL	Aluminium alloy (AlSi10Mg)
	CL 41TI ELI	Titanium alloy (TiAl64V ELI)
	CL 42TI	Pure titanium Grade 2
	CL 50WS	Hot-work steel (1.2709)
	CL 91RW	Stainless hot-work steel
	CL 92RW	Precipitation hardening stainless steel (17-4 PH)
	CL 100NB	Nickel-based alloy (Alloy 718)
	CL 101NB	Nickel-based alloy (Alloy 625)
	CL 110CoCr*	Cobalt-chromium alloy (F75)*
	remanium® star CL	Cobalt-chromium alloy (by Dentaurum)
	rematitan® CL	Titanium alloy (by Dentaurum)

*The material is currently being prepared. Other materials on request.

08/2017 | Subject to technical changes.
Photos: uwe-muehlhaeusser.de
Machine layout: newkon.info
Artwork: brandnew-design.de



Concept Laser GmbH
An der Zeil 8
D 96215 Lichtenfels

T: +49 (0) 95 71. 1679 200
F: +49 (0) 95 71. 1679 299
info@concept-laser.de