

BC04

Beam Combiner for Camera - Pyrometer



Typical Applications

Laser Cladding (DED, LMD, EHLA*)

3D Manufacturing

Laser Hardening

*EHLA is a process patented by Fraunhofer Gesellschaft zur Foerderung der Angewandten Forschung eV, Rheinisch Westliche Technische Hochschule RWTH

On-axis meltpool temperature measurement and synchronous visualization and image recording

Features

Adjustable spot position

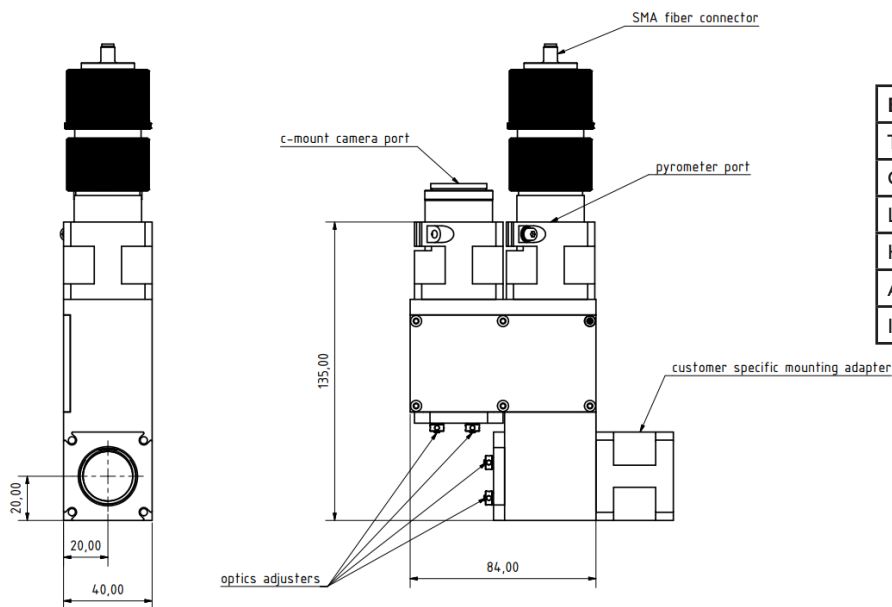
C-Mount for Camera

Customized mechanical interface, suitable for many brand optics

Technical Data

	BC04 (adjustable Beam combiner) 55-003610
Lens:	25mm (1") Achromatic Lens
Spectral range Laser:	800nm to 1100nm
Spectral range camera:	450nm to 650nm
Camera interface:	C-Mount
Spectral range pyrometer:	1650nm to 2400nm
Pyrometer optics interface:	30,5mm
Ambient temperature:	max. 75°C, depending on the camera
Dimensions:	approx.:
Weight:	approx: 700g
CE label:	According to EU directives for electromagnetic immunity
Conformity:	The RoHS Directive 2011/65/EU of 2011-06-08 with supplement from 2015-03-31 is fulfilled
Order number:	55-003610
Scope of delivery:	Beam Combiner BC04 (Camera and pyrometer optics are not included)
	The pyrometer optics is, in principle, included in the separate pyrometer order.
Ordering information:	Beamcombiner BC04 + Adapter for brand-optics

Dimensions



Adapters for brand-optics

Brand	Order #
Trumpf	55-003609
Coherent	55-003675
Laserline	00-003766
KUKA	50-000363
ACunity	55-003676
IXUN	55-003766

Other customized adapters on request



You are solely responsible for selecting the appropriate product for your application, validating and testing your application, and ensuring your application meets applicable standards, and any other safety, security, or other requirements.
Data are subject to be changed without notice.

ultimate laser processing

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