

StarFiber

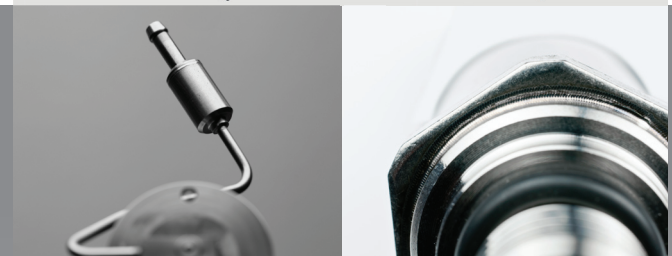
100/200/400/600

The fiber laser for fine welding

ROFIN's laser sources for welding satisfy all criteria for the optimized laser joining of workpieces. They allow very small seam geometries at very high welding speeds. The welded joints show maximum strength with minimal heat input to the workpieces. The StarFiber is a robust and compact fiber laser, especially for finest welding seams.

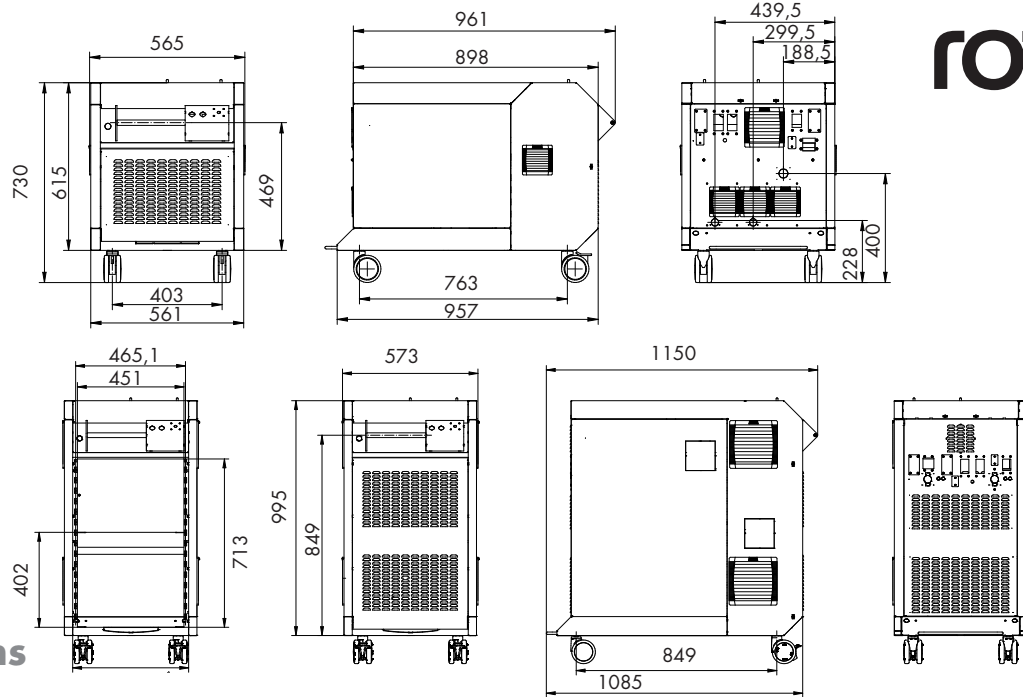
Features:

- 100 – 600 W
- Analogue power control
- High efficiency
- Smallest spot size
- Safety features (industrial standard)
- Convenient operator control
- Innovative ROFIN control unit (RCU)



ROFIN-BAASEL Lasertech

is responsible for the laser micro market within the ROFIN group. The wide range of products includes lasers and laser systems for high precision welding, cutting, structuring and drilling. The complete product development is carried out in-house in direct cooperation with customers. Numerous innovations as well as lasers and laser systems installed all over the world indicate the creative energy and product quality of the ROFIN group **for more than 40 years.**



Specifications

StarFiber OEM		100	200	400	600
Wavelength	nm	1,070			
Max. average power	W	100	200	400	600
Pulse frequency	kHz	single shot up to 170		single shot up to 50	
Pulse width	µs	1 – cw			
Beam Output					
Beam diameter	mm	5		-	
Beam divergency (86% Level)	mrad	collimated		<150	<140
Beam quality	M ²	< 1.1			
Free fiber length	m	5			
Fiber cable		QCS		RQB	QBH
Environmental and Electrical Operating Conditions					
Electric	VAC/A	208 to 240 V 1P/N/PE, AC		400 V 3P/N/PE, AC	
Frequency	Hz	50/60			
Wall plug efficiency		> 22 %			
Power consumption max.		100-600			
Cooling		Air		Water	
Weight laser source	kg	50			
Weight power supply	kg	120	130	130	250
Dimensions laser source	mm (W x H x D)	19" x 5 HU x 493		19" x 4 HU x 503	
Dimensions power supply	mm (W x H x D)	565 x 730 x 1065		572 x 1110 x 1150	
Standardized Interfaces					
Laser control via TTL signal					
Parameter set via 24V parallel I/O, Communication (serial) via Ethernet, analog (0-10 V)					
Safety shutter according to DIN EN 13849-1					
Options					
Scannersystem			x		
Pilotlaser			x		
Camera view			x		
Remote maintenance			x		

LASER MICRO

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