



STARFIBER 100/200 OEM

THE FIBER LASER FOR FINE WELDING, CUTTING AND DRILLING

ROFIN's StarFiber, a robust and compact fiber laser source, satisfies all criteria for optimized industrial laser material processing.

For laser joining, the StarFiber allows very small seam geometries at very high welding speeds. The welded joints show maximum strength with minimal heat input to the workpieces.

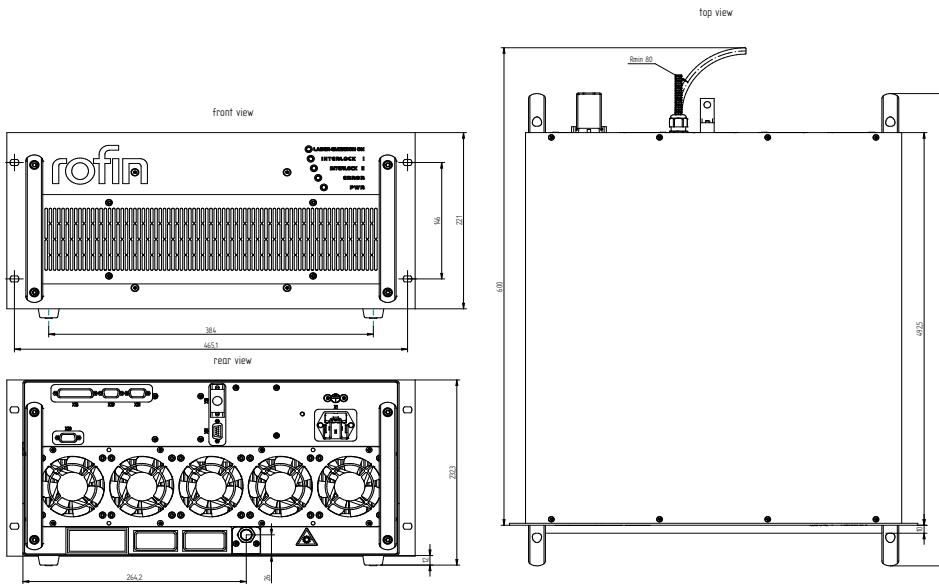
Laser fine cutting and drilling with StarFiber results in clean cuts with low heat affected zones and high edge qualities.

Features

- 100, 200 W
- High efficiency
- Fast electronic shutter
- Smallest spot size
- Excellent power stability
- Safety features (industrial standard)
- Analogue power control
- Wide range of ROFIN application packages for fine cutting, welding and drilling



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Specifications

StarFiber OEM		100	200
Wavelength	nm	1070	
Output power max.	W	100	200
Pulse frequency	kHz	single shot up to 170	
Pulse width (FWHM)	µs	0.5 – cw	
Beam diameter (1/e ²)	mm	5 +/- 0.5	
Beam divergence (full angle)		collimated	
Beam quality	M ²	< 1.1	
Free fiber length	m	5	
Fiber connection		QCS	
Environmental and Electrical Operating Conditions			
Supply voltage	VAC/A	110 to 240 V 1P/N/PE, AC	208 to 240 V 1P/N/PE, AC
Line frequency	Hz	50/60	
Wall plug efficiency max.	max.	22 %	
Power consumption max.	W	750	1.500
Cooling		air	
Weight laser source	kg	50	
Dimensions output module	(L x W x H)	5 HU x 19" x 493 mm	
Standardized Interfaces			
Communication via RS-232 interface			
Laser control via TTL signal (Gate)			
Power control RS-232 or analog input (0-10 V)			
Safety shutter according to DIN EN 13849-1			

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