



# STARPULSE 40/90/150

## STARPULSE – FOR LASER FINE WELDING

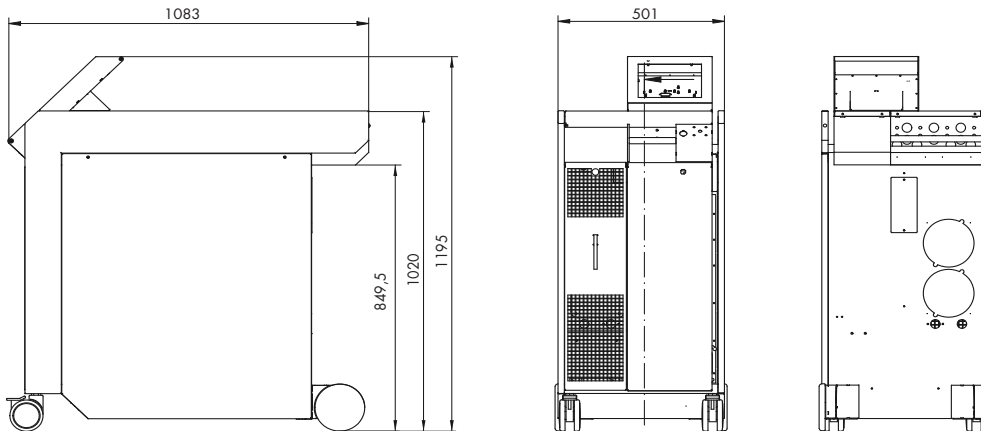
ROFIN's laser sources for welding satisfy all criteria for the optimized laser joining of workpieces. They allow very small seam geometries at very high welding speeds. The welded joints show maximum strength with minimal heat input to the workpieces. Our pulsed rod lasers feature a wide variety of innovations and unique technological characteristics.

### Features

- 40 – 150 W
- Double Closed Loop™ power control
- Patented Sweet Spot Resonator®
- Flexible pulse shaping
- Real-time pulse display
- Convenient operator control
- Innovative ROFIN control unit (RCU)
- Complete solutions for fine welding applications



# STARPULSE 40/90/150



**ROFIN-BAASEL Lasertech GmbH & Co.KG**  
 Petersbrunner Str. 1b  
 82319 Starnberg  
 Phone: +49 (0)8151-776-0  
 Fax: +49 (0)8151-776-4159  
 E-mail: sales-micro@rofin.de

**ROFIN-SINAR Laser GmbH**  
 Berzeliusstr. 87 22113 Hamburg  
 Phone: +49(0)40-7 33 63-0  
 Fax: +49(0)40-7 33 63 4100  
 E-mail: info-macro@rofin.de

**ROFIN-SINAR Laser GmbH**  
 Dieselstr. 15 85232 Bergkirchen  
 Phone: +49(0)81 31-704-0  
 Fax: +49(0)81 31-704 4100  
 E-mail: info-marking@rofin.de

## Specifications

<b>StarPulse</b>		<b>40</b>	<b>90</b>	<b>150</b>
Wavelength	nm	1064		
Output power max.	W	40	90	150
Pulse energy max.	J	35	50	70
Pulse width (FWHM)	ms	0.3 – 20		
Pulse repetition rate min.	Hz	single pulse		
Pulse repetition rate max.	Hz	200		
Beam quality	M <sup>2</sup>	25	35	45
Pulse peak power	kW	3.5	6	8
Beam divergence (full angle, for 400 µm fiber)	mrاد	110	185	240
Optical fibre	µm	200 – 600	400 – 600	
Beam profile		top hat		
<b>Environmental and Electrical Operating Conditions</b>				
Supply voltage	VAC/A	230/16	400/16	
Line frequency	Hz	50/60		
Power consumption max.	kW	3	5	6
Weight power supply	kg	150	170	
Cooling		air	water	
	l/min (15°C)	-	3	7
	ext. water temp. range	-	12 – 18	
Operational temperature	°C	15 – 35	15 – 40	
Dimensions power supply	mm (L x W x H)	1100 x 520 x 1235		
<b>Options</b>				
Scannersystem		x	x	x
Pilotlaser		x	x	x
Camera view		x	x	x
Remote maintenance		x	x	x
Welding monitoring		x	x	x
Direct Beam		x	x	

[WWW.ROFIN.COM](http://WWW.ROFIN.COM)

**Benelux:** Phone: +31 78 69310-37  
 E-mail: info@rofin-baasel.nl

**CA:** Phone: +1 905 607-0400  
 E-mail: info-canada@rofin-inc.com

**CH:** Phone: +41 32 322-1010  
 E-mail: info@rofin-lasag.ch

**CN:** Phone: +86 21 68552216  
 E-mail: info@rofin-baasel.com.cn

**ES/PT:** Phone: +34 93 4770-644  
 E-mail: info@rofin-es.com

**F:** Phone: +33 1 6911-3636  
 E-mail: info@rofin.fr

**IN:** Phone: +91 22 276125-1  
 E-mail: info@rofin.in

**IT:** Phone: +39 039 2729-1  
 E-mail: info@rofin.it

**JP:** Phone: +81 46 229-8655  
 E-mail: info@rofin-baasel.co.jp

**KR:** Phone: +82 2 837-1750  
 E-mail: info@rofin.co.kr

**SG:** Phone: +65 6482-1091  
 E-mail: reception@rofin-baasel.com.sg

**TW:** Phone: +886 2 2790-1300  
 E-mail: info@rofin-baasel.com.tw

**UK:** Phone: +44 1327 701-100  
 E-mail: sales@rofin-baasel.co.uk

**US:** Phone: +1 734 455-5400  
 E-mail: info@rofin-inc.com

Find further representatives and partners on: [www.rofin.com/worldwide](http://www.rofin.com/worldwide)



PREZISILASER-FAKTOREN  
 VERMEIDEN SIE DIREKTE AUGEN-ODER HAUT-EXPOSITION  
 BEI DIREKTER ODER STREUUNG  
 BELEUCHTUNG  
 CLASS II LASER PRODUCT

