

# STARPICO

## THE INDUSTRIAL SOLUTION FOR LASER MICRO MATERIAL PROCESSING

The StarPico is a versatile tool providing excellent results in industrial laser applications such as high precision filament cutting, surface structuring, drilling and marking of almost all materials without thermal damage.

This reduces the number of process steps, increases yields and facilitates new features and applications in industries such as electronics, semiconductor, micro technology and medical device manufacturing.

### ROFIN makes the difference

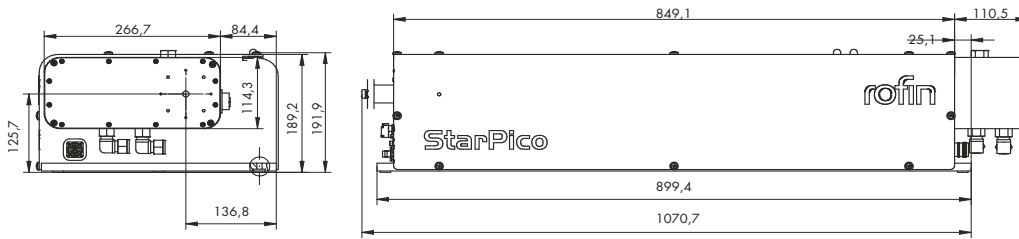
- ROFIN Hybrid MOPA architecture
- Robust design
- ROFIN global on-site support
- Easy system integration and maintenance

### Optimized process quality and productivity

- 15 ps pulse width
- 50 W laser power
- 400 µJ pulse energy
- Wavelength: 1064 nm
- Programmable Burst Mode (patented)
- Repetition rate from single pulse to 30 MHz
- Integration packages for various applications



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## Specifications

<b>StarPico</b>		<b>50</b>
Wavelength	nm	1064
Max. output power	W	50
Max. pulse energy	µJ	400
Pulse width (FWHM)	ps	≤15
Min. pulse repetition rate	Hz	1
Max. pulse repetition rate	MHz	30
Single pulse selection	MHz	up to 4
Beam quality	M <sup>2</sup>	< 1.4
Pulse peak power	MW	25
Beam diameter (1/e <sup>2</sup> )	mm	2.0
Beam divergence (full angle)	mrاد	< 1.0
Polarisation		Linear vertical
<b>Environmental and Electrical Operating Conditions</b>		
Electric	VAC/A	400 / 16
Frequency	Hz	50/60
Max. Power consumption	kVA	2.2
Weight output module	kg	60
Weight power supply cabinet	kg	230
Operational temperature	°C	18 – 35
Dimensions output module	mm (H x W x L)	198 x 352 x 1131
Dimension power supply cabinet	mm (H x W x L)	1114 x 573 x 1150
<b>Options</b>		
Complete beam delivery accessories for filament cutting, drilling, structuring, ablation and marking applications		
Power supply as 19" rack mount units for integration		

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