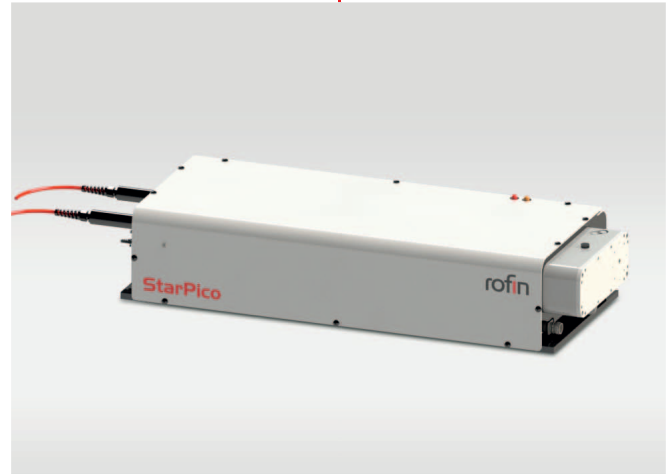


StarPico

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

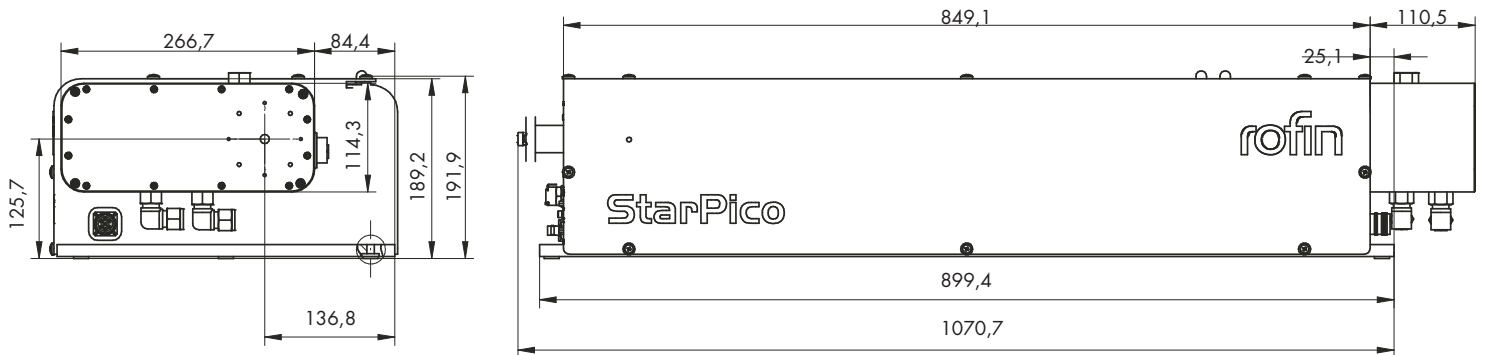
Optimized process quality and productivity

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

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.**

StarPico



Specifications

StarPico		50
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 ²	< 1.4
Pulse peak power	MW	25
Beam diameter (1/e ²)	mm	2.0
Beam divergence (full angle)	mrad	< 1.0
Polarization		Linear vertical
Environmental and Electrical Operating Conditions		
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 371 x 985, StarPico 50
Dimension power supply cabinet	mm (h x w x l)	1.114 x 573 x 1.150
Options		
Complete beam delivery accessories for filament cutting, drilling, structuring, ablation and marking applications		
Power supply as 19" rack mount units for integration		

LASER MICRO

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