

# StarLite X 120/240

## Integration made easy

The StarLite X is the innovative complement of the industry-proven StarShape line equipped with the latest sealed-off CO<sub>2</sub> laser technology from ROFIN. With its compact and clear design and easy handling, the StarLite X is the ideal integrated system solution for system building of cost-efficient laser-based processing machines.

### Modular und compact

The StarLite X is provided as a basic configuration which can easily be integrated. Optional enhancements such as laser housing including safety package, various beam deflection systems and a graphic editor for more complex 2-dimensional processing make it a fully operable laser system solution.

For system manufacturer with laser know-how, the StarLite X as OEM version is the ideal kit for a flexible and cost-effective integration in a production environment. The compact version can easily be housed without making any further manipulation of the beam path. The operation and control of the StarLite X is handled with the proven ROFIN VLM software.

### Laser and aplikation

The StarLite X is based on the ROFIN sealed-off CO<sub>2</sub> laser technology of the latest generation in two different versions for different applications, for either high peak power or reliable average power (CW).

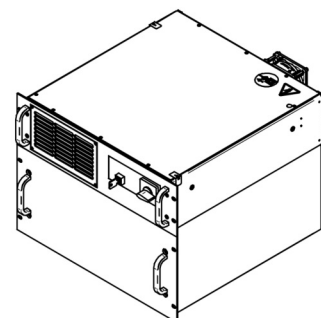
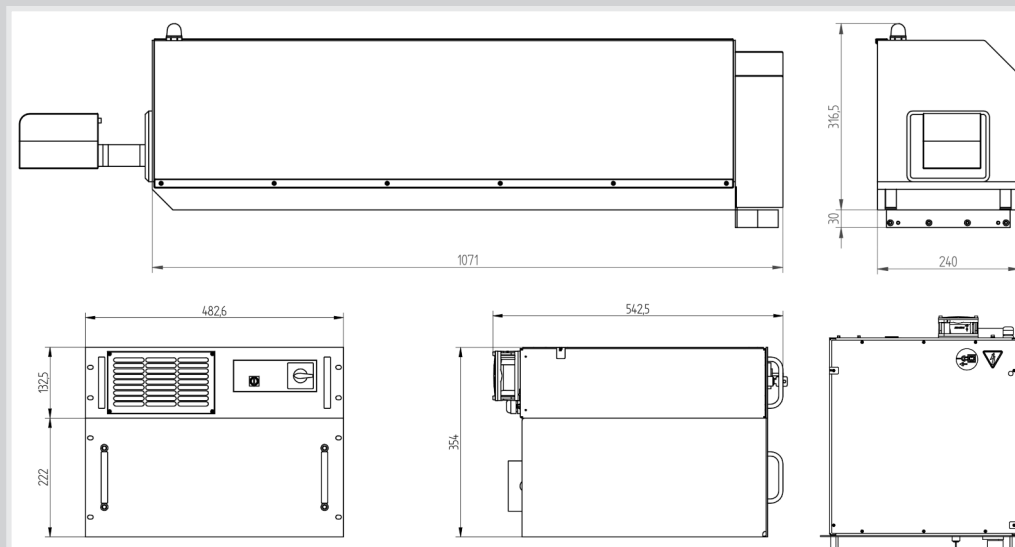


State-of-the-art galvo scanner technology with 2 or 3 axes make the package perfect. The StarLite X is one more proof for the many years of experience in the field of large work spaces (for 3-axis-systems up to 1500 x 1500 mm). Plastics, glass, paper or natural materials like leather, rubber or wood, the CO<sub>2</sub> laser of the StarShape line open up a wide spectrum for micro material processing, for free-form contours, text or surface treatment.

**Your application is very welcome in our application lab. The StarLite X is ready for you!**

*Within the ROFIN group, ROFIN-BAASEL Lasertech is responsible for the laser micro market. The wide range of products includes 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 worldwide and more than 38,000 lasers and laser systems in use all over the world indicate the creative energy and product quality of the ROFIN group for more than 35 years.*

# StarLite X 120/240



## Specifications

Laser System	StarLite X 120	StarLite X 240
Type	CO <sub>2</sub> laser, sealed-off slab, no gas supply	
Wavelength	9.35 / 10.6 / 10.25 μm	9.35 / 10.6 / 10.25 μm
Beam quality	K > 0.8	K > 0.8
Power	120 W	240 W
Pulse frequency	0 – 100 Hz	0 – 100 Hz
Pulse length	2 – 400 μs	2 – 400 μs
<b>Beam Allocation</b>		
Principle	galvo deflector system with free programming of scribing patterns in the processing field of each deflector unit	
Choice of deflector unit	each deflector unit can be controlled individually via control software	
Optics	f-theta lenses or dynamic focus system	
Focal length	f-theta lenses 100 mm, 200 mm, 300 mm, 360 mm, 480 mm	
Interface	dynamic focus system up to 1.500 mm digital, scanner controller with USB bus	
<b>Software</b>		
User interface	graphics oriented with integrated CAD system	
Operating system	Windows XP	
Languages	all commands / menus in a choice of 3 languages (D, E, F)	
Options	on-the-fly processing	
<b>Utilities</b>		
Electrical	230 V 1/N/PE 50/60 Hz 2.4 kVA	230 V /N /PE 50/60 Hz 4.8 kVA
Cooling	water cooling	
Cooling optional	external chiller	
Cooling capacity	5,000 W max. 4 l / min at 19 – 25°	7,500 W max. 5 l / min at 19 – 25°
<b>Dimensions / Weight</b>		
Laser head with deflector unit (WxDxD)	240x347x1260	240x347x1460
Weight processing unit	18 kg	18 kg
Supply unit	19", 8 HE	19", 8 HE

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