

FEMTA LCS-6000C LASER CLEANING SYSTEM

Laser source parameters:

Wavelength: 1080 nm (+/- 4 nm)
Spectrum width (FWHM): <20 nm (+/- 1 nm)
Average output power: 6000 W
Power stability: $\pm 1\%$
Variable repetition rate: 0 – 5000 Hz, step: 1 Hz
Pulse duration (adjustable): 2 - 200 μ s, step: 1 μ s
Start-up time: <1 min

Laser gun specifications:

Maximal scanning dimensions at focal plane: up to 2 mm x 500 mm, variable in 1 mm steps
Focus length (recommended): 100/160/210/254/330 mm
Maximal scanning speed (at focus length): 44 m/s
Laser handle dimensions and weight: 295 mm x 100 mm x 180 mm, 2.7 kg
Variable scanning speed: 1-44 m/s, adjustable in 1 mm/s steps
Scanning shapes: line pattern only.

System parameters:

Fiber cable length: from 5 m (standard), up to 20 m.
Cooling: Liquid cooled (glycol / distilled water)
Operational humidity: 10% - 80%
Operational temperature: from 0 to +40 °C
Storage temperature: from -10 to +60 °C
Power requirements: 400 V / AC 50-60 Hz, 24 kW, three phase plug
Dimensions and weight: L-1240 mm x D-620 mm x H-1060 mm, 282 kg
System operational lifetime: > 90 000 hours.
Laser category: Class 4 laser system
Certificates: CE; PL-D safety validation report;
Manufacturer: FEMTA - Industrial Laser Solutions (Lithuania)



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Package includes:

Femta LCS-6000C laser cleaning system

System maintenance and safety kit:

- Viewing card for IR radiation: (1 pcs)
- Laser safety glasses: (2 pcs)
- Respirators: (2 pcs)
- Lens cleaning kit (1 pcs)
- Technical documentation and manual

Additional options:

- Portable laser safety curtains, dimensions: 2 x 2 x 2 m, weight: 4 kg.
- Robot arm.
- Distance sensor.
- Door sensor.
- Laser operation external warning light.
- Fumes extraction and filtration unit.

Service and support:

- System operator training.
- Equipment integration into the production line, optimization and calibration services.
- Professional after-sales care - spare parts and technical personnel available.
- Warranty: 24 months.

In-stock systems shipping: 3 business days + 1 week in transit.

Manufacturing time: 4-6 weeks + 1 week in transit.



FEMTA LCS-6000C galvoscaner



Additional option: portable laser safety curtains.