

# EVO 0550

The laser module with fixed optics

- ▶ Highest economic efficiency
- ▶ Small footprint
- ▶ Highest quality of production
- ▶ Easy integration



The **EVO 0550** is a fixed-focus, compact laser module for welding plastics. The welding head has been optimised for integration into an automation environment.

The robust design and a control option via common fieldbus systems enable efficient project planning and flexible use in production.

The laser module can be equipped with different configurations and optics. The quality of the weld can be ensured by various online monitoring modules, such as temperature monitoring with pyrometer.

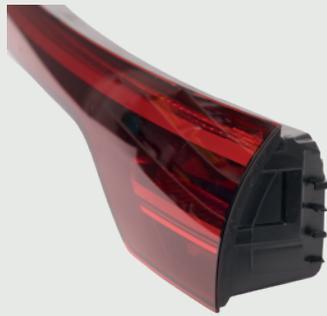
The **EVO 0550** goes through the unique CQC calibration concept of Evosys Laser GmbH, which ensures the comparability of the systems.

## Technical data

Laser class	4						
Laser wavelength	980 nm						
Laser power	up to 400 W						
Laser spot	5 mm						
Integrated pilot laser	Yes						
Operating distance	200 mm (further on request)						
Power supply	200-400 V AC / 3 PH / N / PE 50/60 HZ						
Configuration	Fully integrable laser module Interfaces for data exchange EVOSYS Industrial control						
On demand	Visualisation on the touch panel Control designed for expansion to up to 2 laser modules Temperature control NGO special optics Remote maintenance module						
Dimension and weights (WxDxH)	<table border="0"> <tbody> <tr> <td>Welding head</td> <td>2.36 x 6.69 x 6.89 " / 3,30 lbs</td> </tr> <tr> <td>Control/switch cabinet</td> <td>23.62 x 47.24 x 47.24 " / 265 lbs</td> </tr> <tr> <td>Control/plug-in</td> <td>19" x12 HU x 21.65 " / 88 lbs</td> </tr> </tbody> </table>	Welding head	2.36 x 6.69 x 6.89 " / 3,30 lbs	Control/switch cabinet	23.62 x 47.24 x 47.24 " / 265 lbs	Control/plug-in	19" x12 HU x 21.65 " / 88 lbs
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MEDICAL



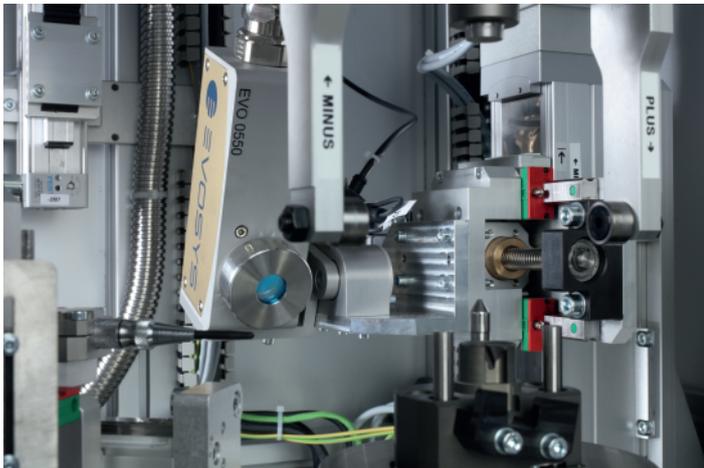
AUTOMOTIVE



LASER PLASTIC WELDING

## Layout description

The **EVO 0550** is a flexible, integrable laser module. Thanks to its space-saving design, it fits into almost any production environment. All components, such as the laser, control and supply unit, are integrated in a control cabinet or 19-inch rack.



Integration example: Laser module **EVO 0550** for radial welding



Easy operation with Evosys HMI

EVOSYS is the ideal partner for laser welding of plastics. Whether a simple off the shelf machine or complex customized systems, we will convert your challenges into solutions.

We are the specialists when it comes to bringing the latest optical technology into your production!

## CONTACT

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