

# **NOVOLAS** Basic AT Compact

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LEISTEM NOVOLAS

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The compact, cost effective laser system for plastic welding.





# **NOVOLAS Basic AT Compact**

### The System

The laser system NOVOLAS Basic AT Compact is an air-cooled and thus especially compact laser system. It is specially designed for integration into production lines and manufacturing cells. The 19"-housing of a depth of 500 mm includes a fiber-coupled laser module (single-emitter high-power laser-diodes) with an optical power of 40 W. It is equipped with a front display for process state and system diagnosis. It can be used as a tabletop unit and may be combined with all fiber-coupled optics of the NOVOLAS product line. The mutually matched components provide high process stability as well as cost-saving production.

#### Applications

The NOVOLAS Basic AT Compact may be configured according to the needs of the customer. It may be upgraded by a wide range of accessories and options. With is optical power of 40 W, the Basic AT Compact is specially suited for contour welding applications with standard and GLOBO-Optics as well as simultaneous welding of welding areas up to 100 mm<sup>2</sup>.

- Cost-effective
- Compact
- Flexible
- Versatile
- Suited for integration
- Air-cooled
- Easy to maintain



#### **Technical Data**

Laser type		Diode laser
Laser power	W	40
Aiming beam		Power LED, to be engaged and disengaged independently
Fiber coupling		Fiber 600 µm NA 0.22
Data interface		Digital / Analog I/O, RS232, RS 422/485, USB, Ethernet
Voltage	V~	110 - 230 ± 10%
Frequency	Hz	$50 \pm 1\%$ or $60 \pm 1\%$
Current max.	А	6
Mains cable (supplied)		IEC-connector
Cooling		Air cooling
Ambient temperature	°C	10 to 40
Dimensions (W / D / H)	mm	482.6 x 500 x 266.7 (6 HE)
Weight	kg	approx. 35
Laser safety class		4



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