

Cutting optics

Dynamic laser cutting machines require lightweight, intelligent cutting heads. Even installed in the smallest possible space, the ProCutter offers a fully-integrated sensor system that monitors the cutting process and provides the user with relevant information. The head ensures that each component can be reproducibly manufactured at a high standard of quality.

ProCutter For all tasks

- Lightweight and slim design
- Motorized focal point adjustment
 - For automatic adjustment and puncture
- Continuous protective glass monitoring
- Fully closed, dust-protected beam path, with protective glass
- LED display - operating status feedback
- With integrated proximity sensors for surface tracking
- Monitoring of cutting gas pressure at the nozzle end



ProCutter - Technical data

max. laser power	6 kW (with wave lengths of 1030 - 1090nm)
electronics	Lasermatic®
focal length collimation FC	100 mm
focal lengths FF	125 mm, 150 mm, 175 mm, 200 mm
NA _{max}	0.13 at FC100
vertical adjustment range	FC100/FF125: +6 mm/-9 mm; FC100/FF150: +9 mm/-13 mm; FC100/FF175: +12 mm/-18 mm; FC100/FF200: +15 mm/-20 mm
dimension (WxD)	92 x 115 mm
weight	4.2 kg (straight version, FF 125 mm)

ProCutter Zoom For dynamic laser cutting machines

- Zoom lens for diameter adjustment with auto focus
- Motorized focal point adjustment
 - For automatic adjustment and puncture
- Continuous protective glass monitoring
- Fully closed, dust-protected beam path, with protective glass
- LED display - operating status feedback
- With integrated proximity sensors for surface tracking
- Monitoring of cutting gas pressure at the nozzle end



ProCutter Zoom - Technical data

max. laser power	6 kW (with wave lengths of 1030 - 1090nm)
electronics	Lasermatic®
focal length collimation FC	150 mm
magnification ratio	1.25 / 1.5 / 1.75 / 2 / 2.25 / 2.5
dimension (WxD)	92 x 115 mm