



## FIBER LASER DIAMOND LINE

Diamond Line lasers are innovative systems for **3D marking**. They can follow the profile of the object always keeping the proper focus. Thanks to a special structure, these machines can **engrave rounded surfaces**, both in case of regular geometric shapes (as spheres, cones, cylinders, inclined planes...) both in case of **uneven and complex profiles**.

As all our products, Diamond Line lasers are equipped with the best fiber sources on the market. They comply to the highest quality standards, the speed and accuracy of the marking are incomparable.

With this laser the only limit is your imagination!

*3D marking of rounded surfaces,  
regular geometric shapes or uneven  
and complex profiles.*

*Focus Range 40mm!*



**LASEREVO**

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Champagne Boule engraved with Diamond Line laser- diameter 395 mm



Wine bucket engraved with Diamond Line laser - diameter 290 mm

All our systems can be customized basing on customers' requests. We provide **Class I protection cover**, equipped with inspection windows made of a special certificated glass, that prevents YAG radiation.

We can also supply special systems for positioning, blocking and marking the pieces. Diamond line lasers are perfect for any design application or in those cases when a complex surface marking is requested. Our technical staff will provide you the best support.

*Customizable systems with protection cover and special positioning and blocking devices.*

## TECHNICAL DATA

|   |  |
|---|--|
| <b>Laser Source</b><br>Ytterbium Pulsed Fiber Laser | <b>Focus Range</b><br>40mm                                   |
| <b>Wave lenght</b><br>1064 nm                       | <b>Marking Field</b><br>160x160mm                            |
| <b>Output power</b><br>30W- 50W- 100W               | <b>Cooling system</b><br>Air                                 |
| <b>Pulse width</b><br>90-120 ns                     | <b>Power Supply</b><br>230 Vca single-phase 50/60Hz          |
| <b>Pulse frequency</b><br>30-200 KHz                | <b>Power consumption</b><br>400W                             |
| <b>Pulse energy</b><br>1 mJ                         | <b>Materials</b><br>Metals, plastics,<br>varnished materials |



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