

| <b>Fiber laser cutting machine TI-2010F</b> |  |
|---|--|
| <b>Laser source</b>                         | Fiber laser (standard CW fiber)  |
| <b>Laser power</b>                          | 300W – 1kW   |
| <b>Effective work area</b>                  | 2000 x 1000 mm   |
| <b>Max. speed</b>                           | 500 mm/s   |
| <b>Controller + software</b>                | DSP controller system and laser software (laser works)   |
| <b>Motors</b>                               | Easy servo closed loop system  |
| <b>Cooling system</b>                       | 6000-series active industrial cooling  |
| <b>Repeatability</b>                        | < 0.05 mm  |
| <b>Life Focus System</b>                    | The special laser head is controlled by a controller that cooperates with the machine controller. The focus height can be adjusted from 0.5 mm to 5 mm from the metal surface. The height control is automatically controlled by a capacitive sensor. Cutting gas such as oxygen or Nitrogen can be used and is operated by a separate valve during cutting. |
| <b>Additional features</b>                  | Auto focus, compressor (24liter), electrical valve for cutting gas   |
| <b>Laser Beam guiding</b>                   | Fibre cable  |
| <b>Focus lens</b>                           | Special fiber optics   |
| <b>Worktable</b>                            | Cutting bars   |
| <b>Safety</b>                               | Door switches, main switch, on/off key, door locks, emergency stop, laser protection during cooling problems, LFS protection   |
|   |  |
| <b>Communication</b>                        | USB, Ethernet  |
| <b>Compatible computer system</b>           | Windows XP, Vista, 7, 8 and 10   |
| <b>Supported file format</b>                | BMP, PLT, DST, DXF en AI   |
| <b>Workable materials</b>                   | Mild steel, Stainless steel and other metals   |
|   |  |
| <b>Operation temperature</b>                | 10 – 45°C  |
| <b>Moisture</b>                             | 5 – 95%  |
| <b>Power usage</b>                          | Depending on laser power en options. Max 10 kW   |
| <b>Dimensions</b>                           | 3100 (b) x 1700 (d) x 1900 (h) mm  |
|   |  |
| <b>Warranty</b>                             | 24 months for construction and electronics, 12 months for fiber laser source   |

