

Adige Lasertube LT 8 3500 Watt

Year 05/2014

Machine hours: about 46.000 / 23.000h - June 2020



Laser source: ROFIN SINAR DC 035 3500 Watt

The LT8 system is equipped with a Rofin Sinar Slab laser from the DC series, which, thanks to the following features, enables optimum cutting quality at low operating costs:

- High radiation index (K factor > 0.9)
- No moving parts, therefore very low maintenance costs
- Minimal gas and electricity consumption.

Control

Siemens Sinumerik 840D Solution Line

Tube parameters

Max. diameter round tubes: 220 mm
Max. side length rectangular tubes: 200 mm
Max. tube length loading: 8.500 mm
Max. tube length unloading: 6.500 mm
Max. tube length: 35 kg/m

Seamline detection

The LT8 is equipped with optical seamline detection for the correct positioning of the machining.

Irregular cross sections and open profiles

Thanks to the effective and efficient processing of irregular cross sections and open profiles, LT8 is also suitable for innovative applications.

Booster

Inspection and management of the cutting process are also guaranteed with the LT8 by means of highly developed devices - including the booster device for optimal laser piercing.

3D

With large pipes, three-dimensional machining is a decisive criterion for the performance of a system. The LT8 has a 3D head for angle cutting with the highest quality and accuracy.



Technological database

LT8 users can rely on a complete, reliable and based on ADIGE's many years of experience in laser cutting technological database benefit from cutting parameters.

Nesting

Thanks to special functions such as online nesting, remnant optimization and reduction and entire bar processing, the bar is used optimally.

2 IN

Two different loading stations guarantee more flexibility in the management of production lots. The system can be set up for processing open profiles and flat material in an automatic process; Two automatic loading stations, front and rear, both equipped with measuring sensors; Three possible loading designs available (bulk loader, loading table for individually manually stored bars, step loader). Each loader can be connected to any tube loading station and is available in the 8500 mm version; Two different cross-sections can be managed simultaneously using the bypass function; There are additional protective elements in the machine for processing heavy pipes or stainless steels provided to avoid possible damage to the pipe surface.

4 OUT

Four unloading positions for separate unloading of the cut pieces. The use of specially developed software processes allows the rod to be optimized and used, thereby reducing the final waste to only 110 mm. Four possible unloading positions for sorting out the different, cut parts. Parts are supported by universal supports at every production step - for extremely precise machining even of long, heavy and / or complex parts. Reduced cycle times and intactness of the pipe surface are guaranteed by the special extraction pliers on the unloader.



