

Lasertube LT722D - LT823D



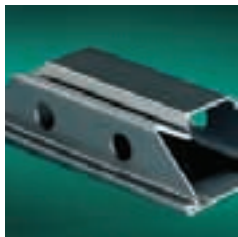
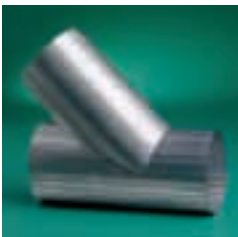


Lasertube LT722D

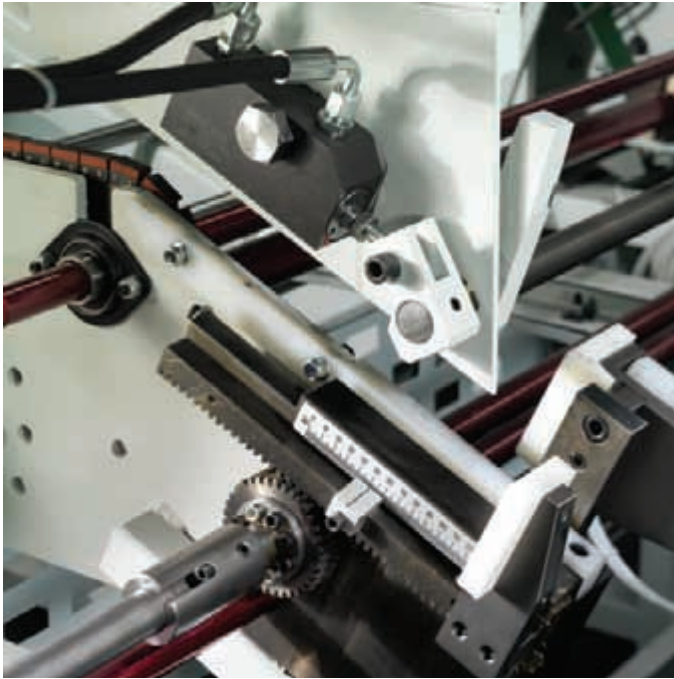


Higher productivity,
less waiting

LT722D is the eighth generation of Adige's successful Lasertube cutting systems. It sets a new industry standard for ease of use, faster set up and higher productivity. Lasertube's flexibility makes it suitable for processing both low and high volume batches of round, square, rectangle, flat oval and special shaped tubes.



Lasertube advantages



HIGHER PRODUCTIVITY

The system sets the benchmark for laser tube cutting throughput. It's parts / hour output is unmatched.



FASTER JOB TO JOB CHANGE OVER

New automated changeover features lets you set up for a new tube size in less than two minutes. There is no need for the operator to change any tube guides or supports. They only need to select the tube size and quantity, the machine does the rest.



“READY TO USE” CUTTING PARAMETERS

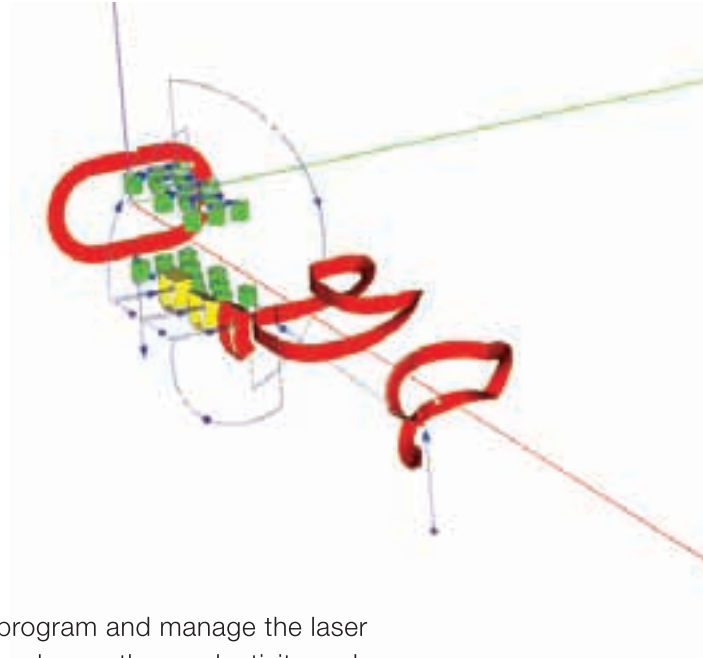
The machine is supplied with a database of ready-to-use cutting parameters. It covers the full range of material type, sizes and thicknesses. These proven cut conditions let any operator cut like an expert. Job set up is faster and less material gets scrapped in try out.



TUBE SUPPORT AND MEASUREMENT

Each raw bar is automatically measured for length during the loading cycle and then supported during the cutting process. The CNC controlled supports are located both upstream and downstream of the cutting head. This helps insure part accuracy and consistency.

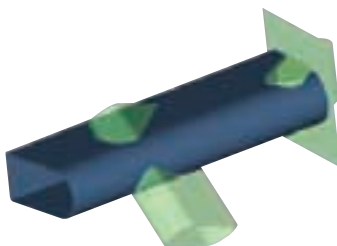
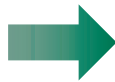
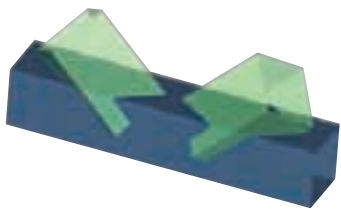
Artube, the difference



SOFTWARE TO DESIGN, PROGRAM AND MANAGE

Artube is a dedicated CAD-CAM software suite used to design, program and manage the laser tube cutting process. The software has been written by Adige to enhance the productivity and efficiency of the Lasertube family of machines.

It allows for the seamless importation of .step, .iges, .x_t formatted 3D CAD files. Artube lets you go from a drawing to a finished part in less than 10 minutes.

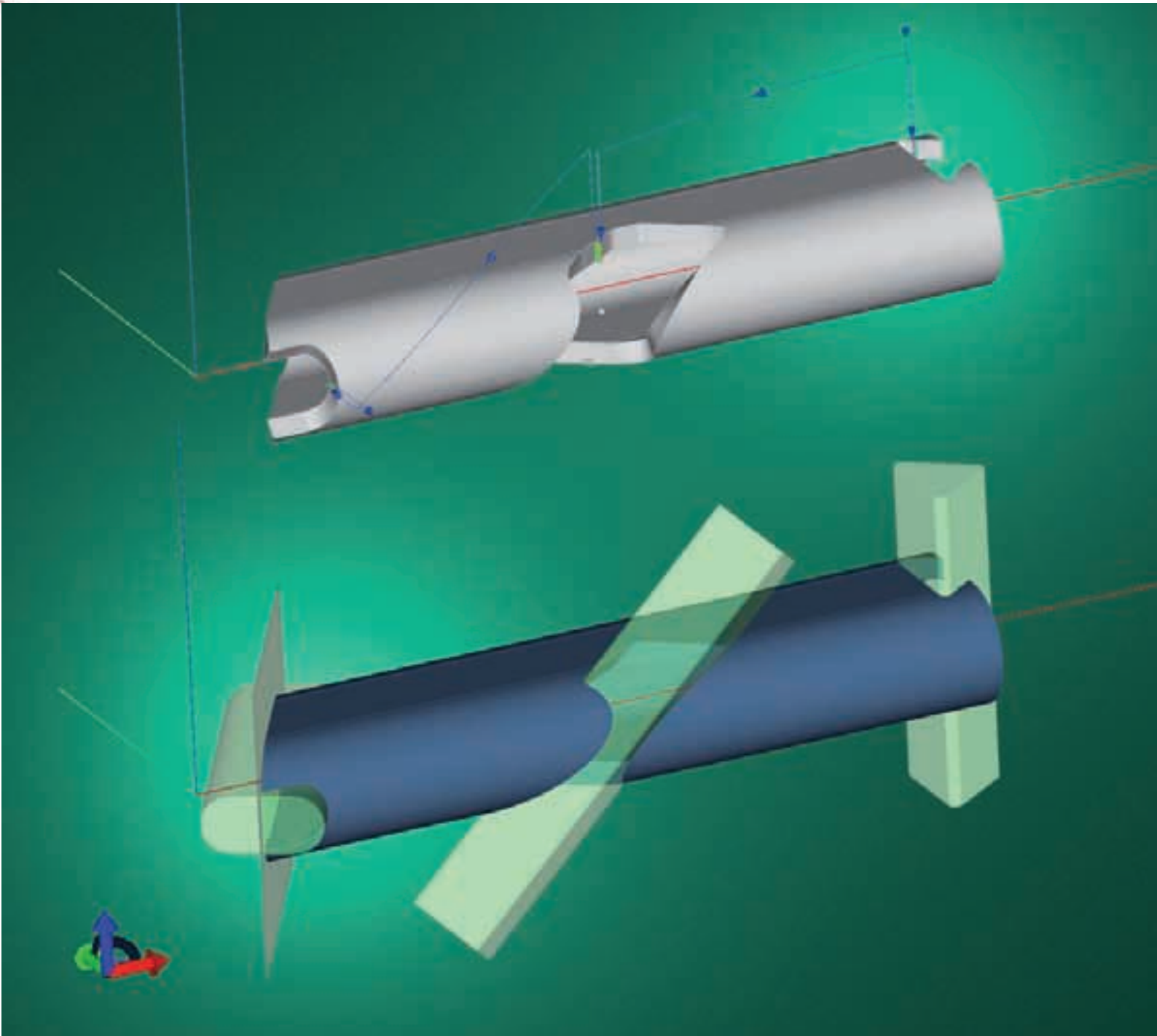


ASSEMBLER: DESIGN COMPLETE TUBULAR FRAMES

Parametric software module used to create complete 3D tubular frames or assemblies.

CAD-CAM: DESIGN SINGLE COMPONENTS

Software module used to directly draw and design single tubular components.



Customized cutting parameters





ANTI SPATTER DEVICE

The optional anti spatter device is designed to prevent dross and spatter from adhering to the ID of round tubes.



OPEN PROFILES

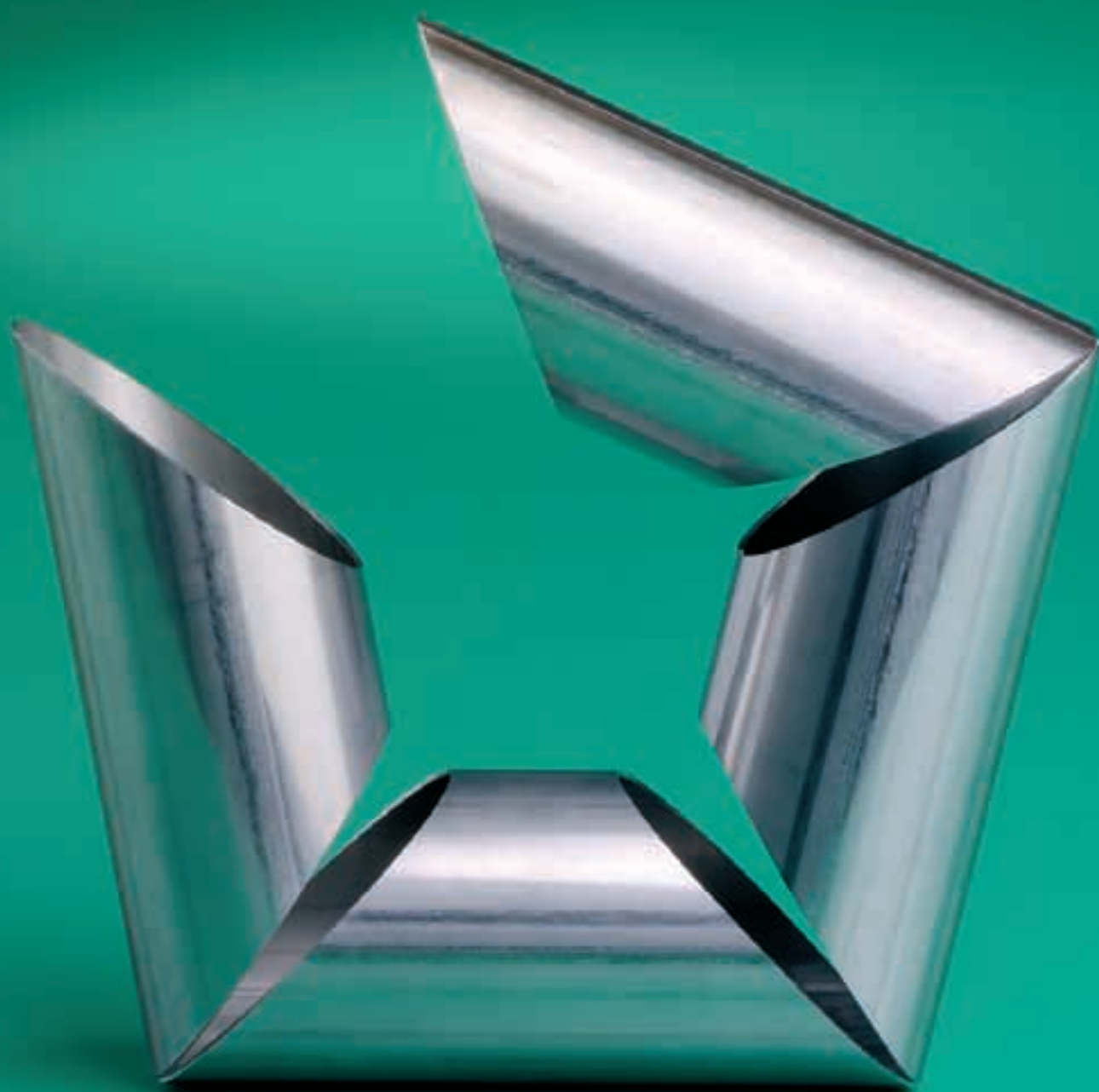
The Open Profiles option provides the capability to automatically cut angle iron, 'c' or 'u' shaped sections and flat bar.



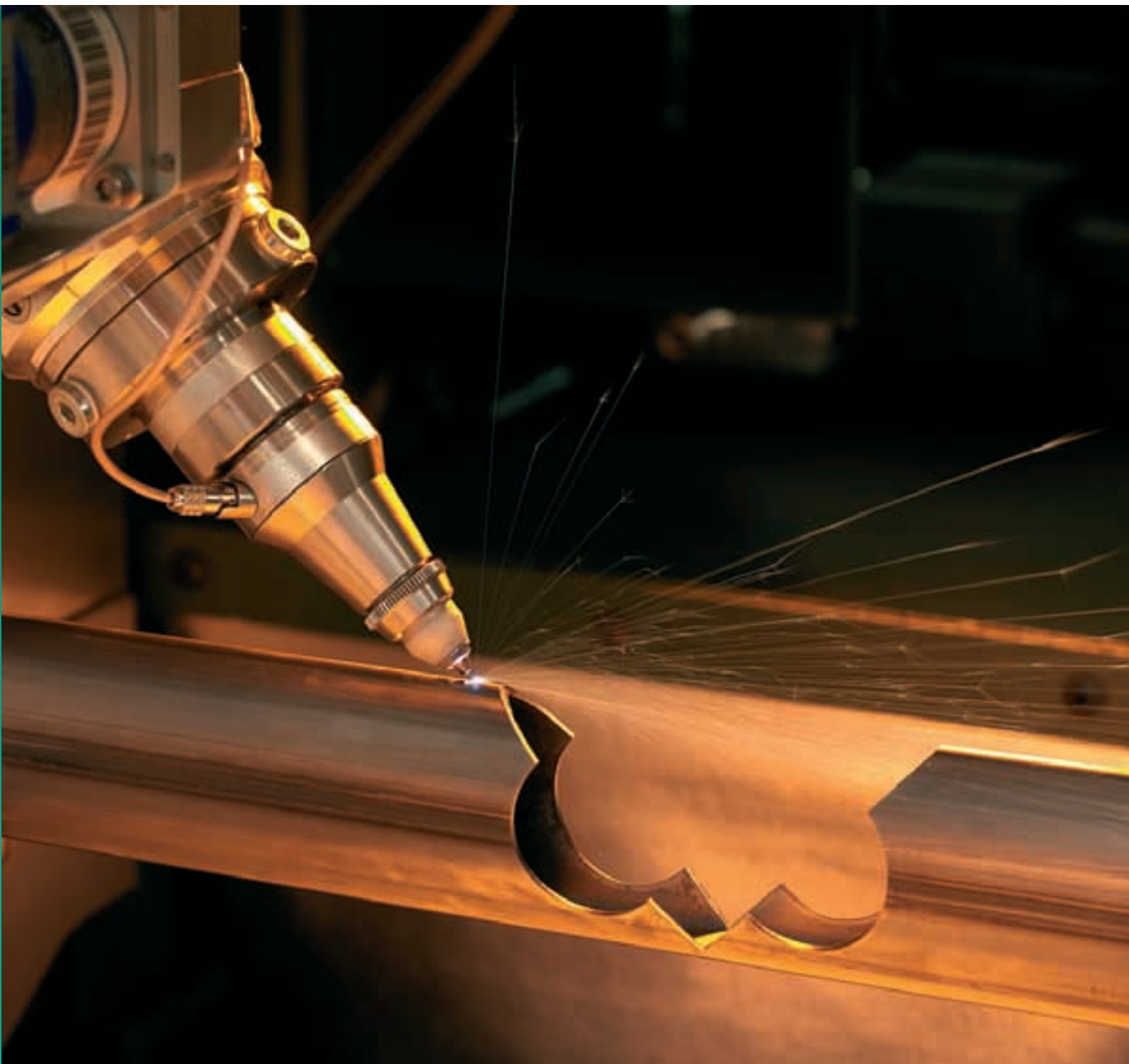
"READY TO USE" CUTTING PARAMETERS

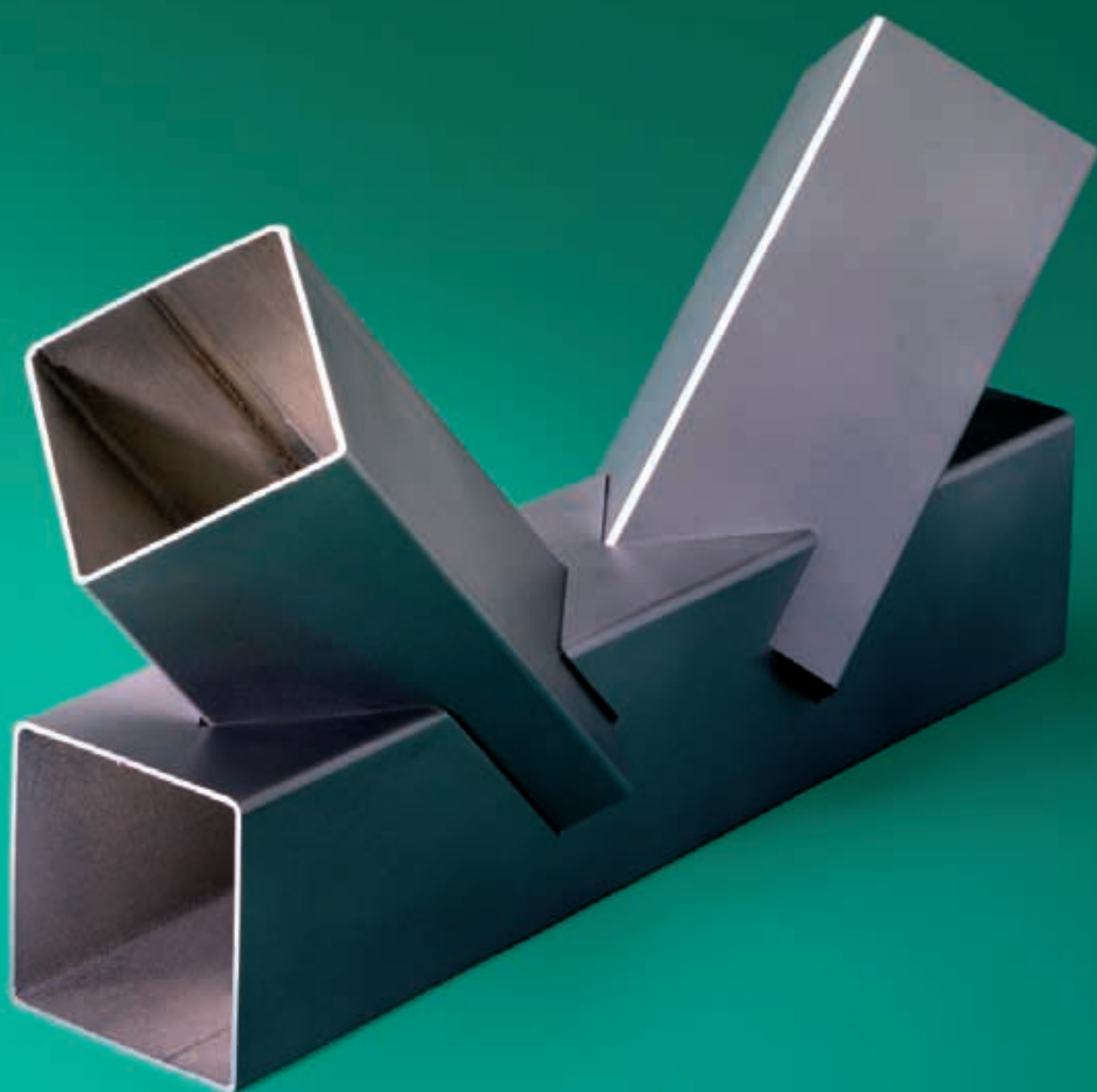
A data base with all cutting parameters is supplied standard with the machine including tube of different size, shape, thickness and materials. This saves material waste and set up times and enables a higher degree of independence from the operator's know-how.

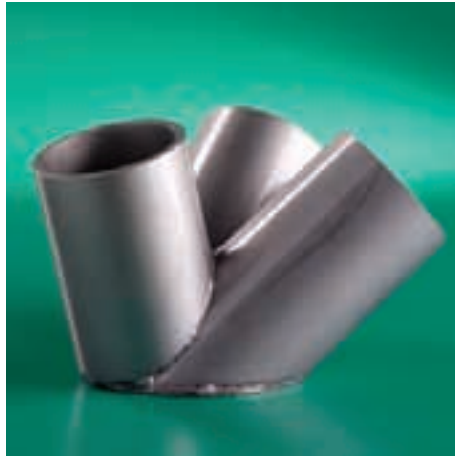




Non-orthogonal cutting capability, Lasertube LT823D







The **LT823D** provides tilt head cutting at angles up to 45°. The fully programmable angle cutting feature is suitable where the faces of the cut pieces must match perfectly or where the components are to be brazed or welded without any filler material.

FEATURES

- programmable non orthogonal cuts up to $\pm 45^\circ$
- programmable and fully automatic machine cycles
- automatic change over in less than 2 minutes
- laser cutting technology tables developed specifically for non orthogonal cutting.

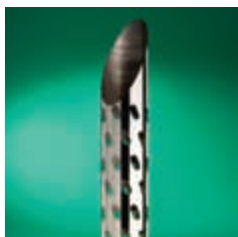


Technical Data

Round tube	min. 12 mm - max. 140 mm (opz. min. 10 mm - max. 152,4 mm) (0.5" to 5,5" - optional to 6.0")
Square tube	min. 12 x 12 mm - max. 120 x 120 mm - (0.5" to 4,75")
Rectangular, flat oval, D-shaped, elliptical tube	min. 10 x 12 mm - max. 140 x 100 mm - (up to 3" x 5.5")
Standard material	mild steel - stainless steel - Al alloy (others on demand)
Tube lengths	min. 3200 mm - max. 6500/8500 mm - (min. 10.5' - max. 21'3" or 27.10')
Loader weight	4000 kg - (up to 8800 lbs.)
Unload lengths	3500 mm - 4500 mm - 6500 mm - (up to 11'5" or 14'8" or 21'3")
Digitally controlled axis	nr. 8 LT722D - nr. 9 LT823D
Digital CNC	Siemens 840D
CO2 laser resonator	1500 W - 2000 W - 2500 W - 3000 W (higher on demand)
Options	anti spatter device, booster, weld seam detector, cylindrical hole feature, special tube shape and open profiles

LASER RESONATOR

The Lasertube comes equipped with a Rofin diffusion-cooled CO2-Slab-Laser. The Rofin Slab laser produces an extremely high quality beam (K-Factor > 0.9-0.8) which creates unsurpassed cutting performance. The proven design enjoys high reliability due to the elimination of moving parts in the resonator. Low operating costs are achieved through low gas consumption and high electrical efficiency. Routine maintenance and cost of ownership are kept to a minimum.





BLM GROUP



LASERTUBE CUTTING SYSTEM

tube bending

endforming

sawing, deburring and washing

cutting & end machining

laser cutting for sheet and tube

handling

3d measuring

manufacturing cell

non touch measuring systems

process control software

ADIGE

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