

MOTOCONO®

**LASER OR PLASMA CUTTING
MACHINE FOR METAL DUCTS**

TUBCUT H



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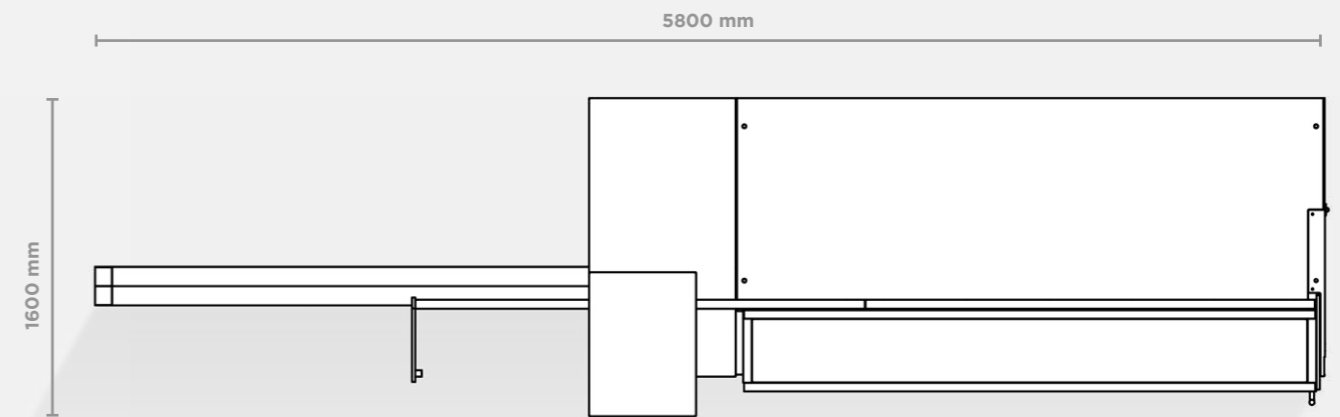


COMPACT DESIGN

LASER OR PLASMA CUTTING MACHINE FOR METAL DUCTS

The TubCut H is laser or plasma cutting machine for ventilation ducts, mainly used in air conditioning installations or smoke extraction systems, normally produced in galvanized or Inox.

Thanks to its compact design it can be fitted up in small workshops.
Its weight is only about 1800 Kg.



TUBE LOADING

+ LATERAL LOADING

Starting from standard round ducts as raw material, easily clamped on the machine lathe, all those shapes necessary for the typical HVAC figures (elbows, T, U, and others) can be cut.

The tube is attached only at one end, avoiding any fixed support along the duct.

+ SUCTION SYSTEM

The suction inside de tube takes place exactly at the cutting point, avoiding the projection of the cutting process to affect the inner of the duct.



CUTTING HEAD

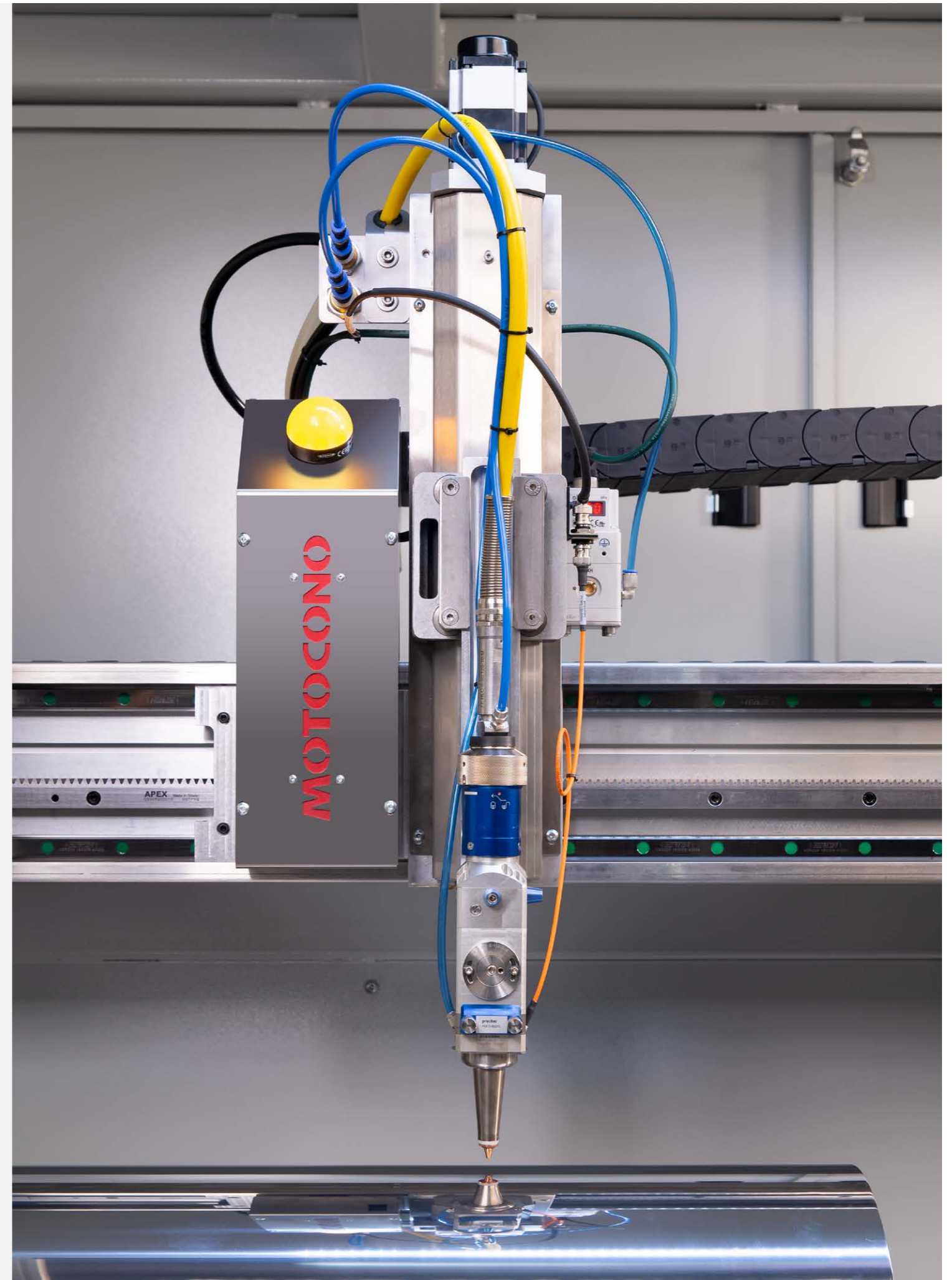
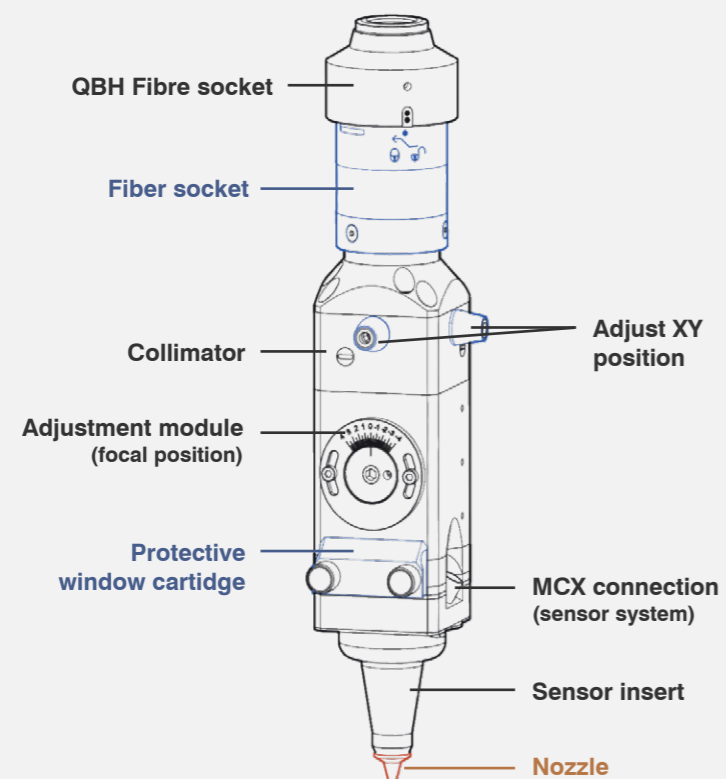
+ CUTTING TECHNOLOGY

The machine has the possibility to use laser generators up to 2 Kw or plasma source. It is able to cut carbon steel, inox, galvanized and aluminum tubes.

+ ACCURACY AND SAFETY

4 servomotors acting on helical pinion and racks drive the machine, offering a silent motion and highly accurate finish.

It is also possible to control the height of the cutting head. The machine incorporates a collision detection system to prevent damage to the head or the machine.



PERIPHERAL



+ FIBER LASER GENERATOR

We work in collaboration with IPG Photonics, world leader in laser sources development, in order to provide their YLR line for 1 kW, 1.5 kW and 2 kW modules.

It also has the possibility to integrate a plasma air/air or high definition generator.



+ CHILLER COOLER

The SMC manufacturer provides us with their HRS line, which controls accurately the temperature of the laser generator and the fiber connector.

Its sizes are compact and its cooling capacity is high, being the maintenance very simple.



+ SUCTION FILTER

The ECO line from Sideros incorporates 4 cartridges for the retention of metal particles and smokes generated in the cutting process. The filtered air obtained is 99,99% clean and particle-less.

Sideros has more than 30 years' experience in 52 countries, insuring the quality of the brand.

Although most of our customers install the filter inside the workshop, we offer too an outdoors model resistant to the climate elements.

SOFTWARE & CNC

+ CUTEXPERT SOFTWARE

The powerful CutExpert nesting program maximizes the profit of the material, key factor to increase the cost-effectivity of the production. However, the automatic nesting allows also the possibility of manual intervention.

The 15" Eurosoft touch screen has an intuitive interface that doesn't require any previous computing knowledge for the operator, besides it reduces the training period, making it possible to start operating in a few hours.



- + REMOTE ASSISTANCE
- STANDARD PIECES LIBRARY
- + USB CHARGE

CUTTING QUALITY



+ MATERIALS, THICKNESS AND DIAMETERS

FEASIBLE DIAMETERS	Ø80 - Ø600 mm
FEASIBLE LENGHT	Up to 2000mm
MAXIMUM THICKNESS	Up to 3mm

The TubCut H is able to cut materials such as carbon steel, galvanized, aluminium and inox.

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