

MOTOCONO®

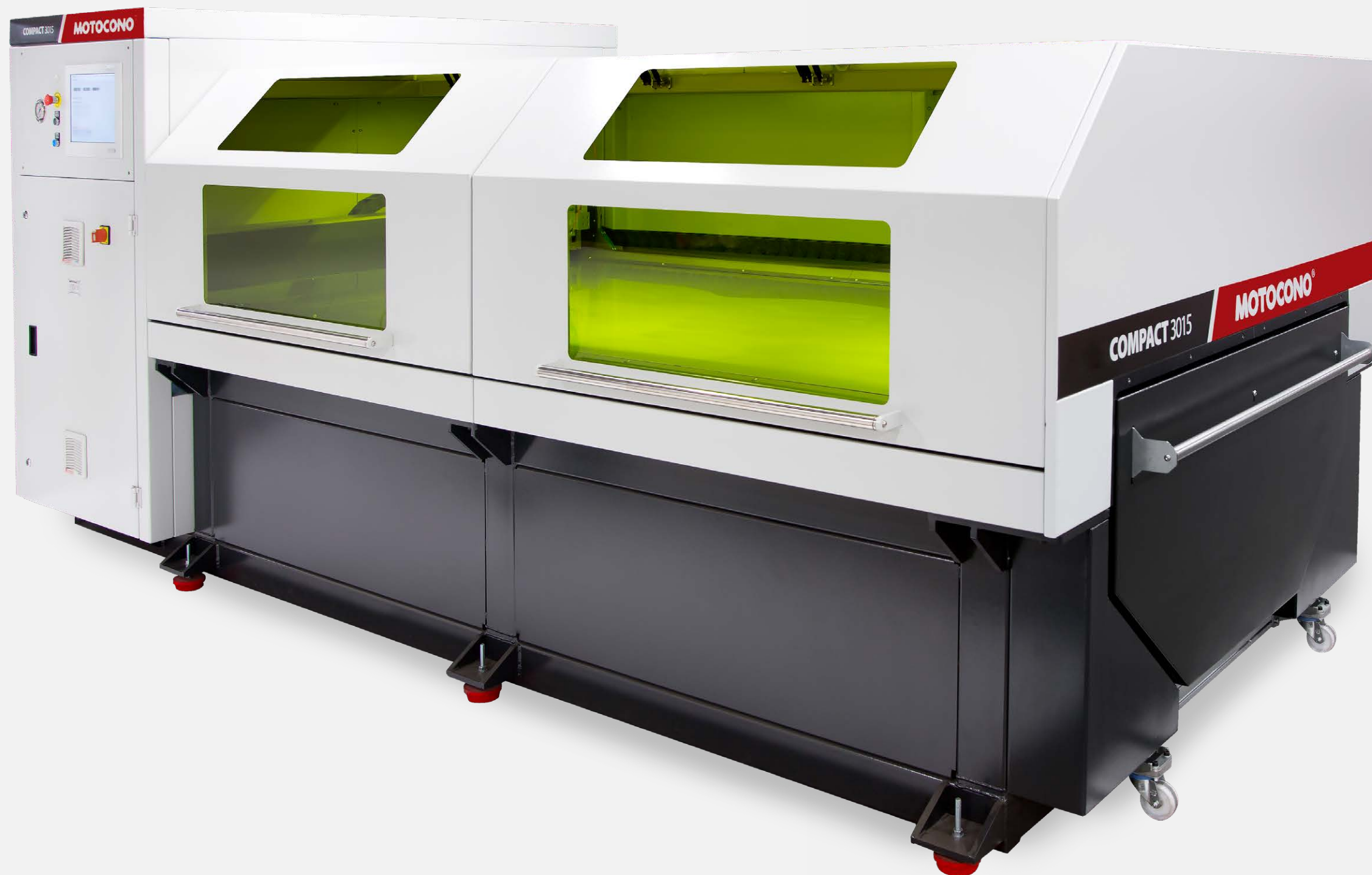
**LASER CUTTING MACHINE
FOR METAL SHEET**

SHEETCUT HL



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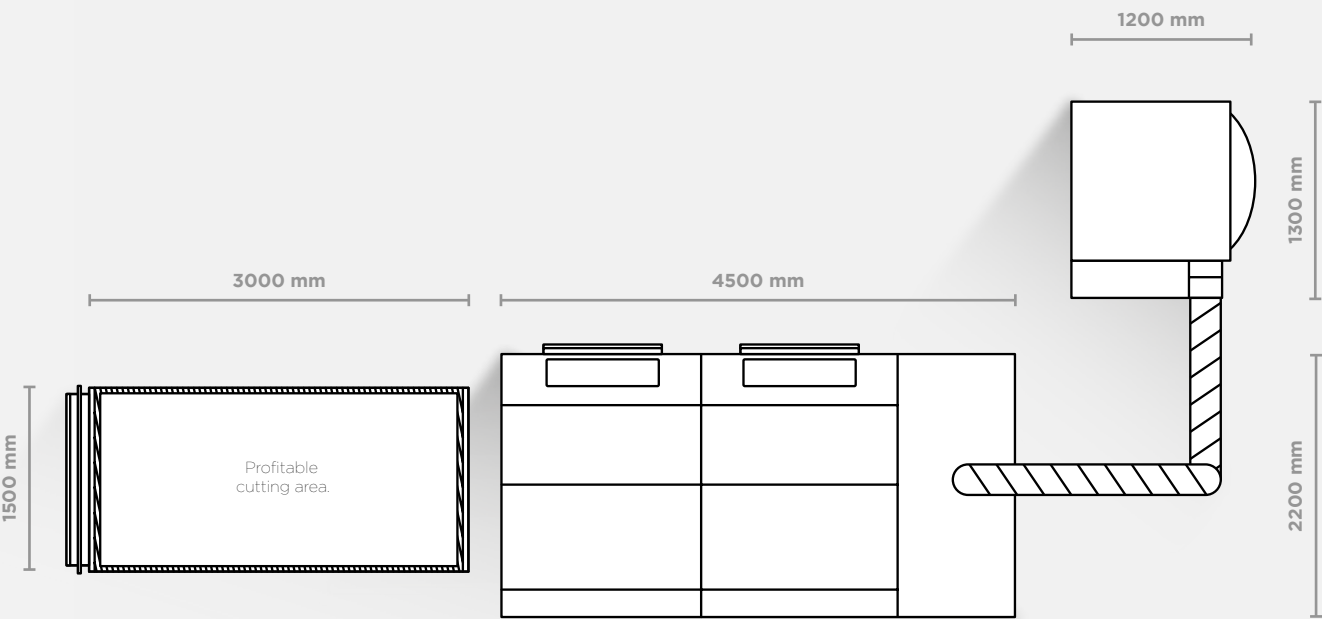
COMPACT DESIGN

LASER CUTTING MACHINE FOR METAL SHEET

+ MAXIMUM SPACE OPTIMIZATION

The SheetCut HL is a fiber laser cutting machine with a compact design; all components are integrated within the structure (without peripherals). Thanks to its compact design it can be fitted up in smaller workshops. Its weight is only about 3000 Kg.

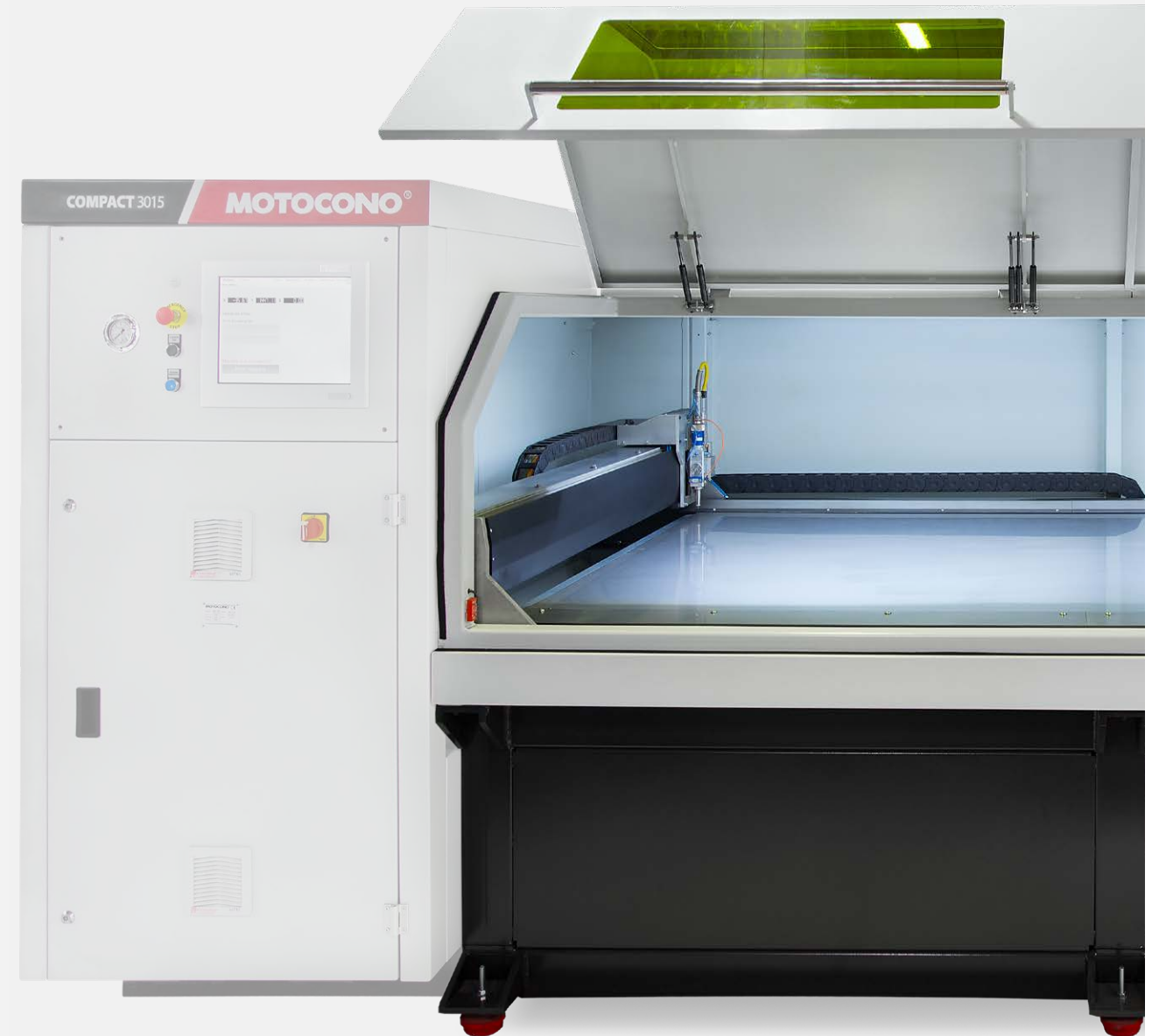
The profitable cutting area is 3000x1500 mm.



SHEET LOADING

+ LOADING CARRIAGE

The SheetCut HL incorporates a practical removable support table that can be moved to the loading point of the sheet, saving costs on automatic mechanisms and inside the workshop.



+ LATERAL LOADING DOORS

The practical lateral doors allow the loading, unloading and adjustment of the laser head to be carried out in an accessible way.

Another 3 doors give easy access to the electrical cabinet, laser generator and chiller.

It also incorporates a sophisticated system of safety sensors that stop the machine to protect the operator against possible laser reflection.

CUTTING HEAD

+ HIGH CUTTING SPEED

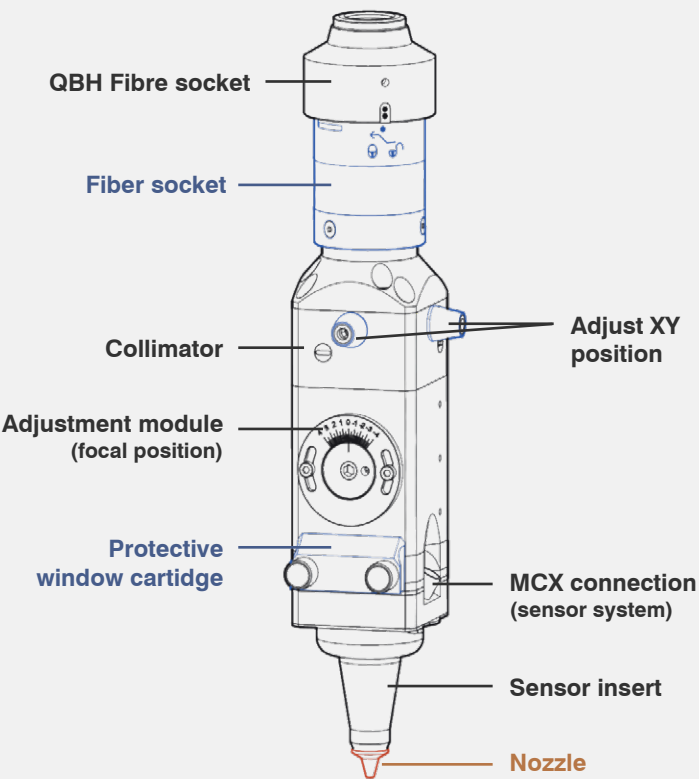
The machine has the possibility to use from 1 kW up to 2 kW laser sources, resulting into high cutting speeds in thin materials.

It's able to cut carbon steel, inox, galvanized and aluminum sheets.

+ ACCURACY AND SAFETY

Its linear motors together with the encoder, both of SINA Drives, allow a movement precision of ± 0.02 millimeters per meter.

It is also possible to control the height of the cutting head, and incorporates an automatic collision detection to prevent damage to the head or the machine.



PERIPHERAL

+ FIBER LASER SOURCE



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.

+ 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 CUTTING QUALITY

The SheetCut HL is able to cut diverse thicknesses and types of materials, like carbon steel, inox, galvanized, aluminum, bronze and brass.

The maximum cutting thickness is up to 6 mm, depending on the material.

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