# LS5
# The most complete sheet laser cutter

The only sheet metal laser cutting machine that can be turned into a tube laser cutting machine

## LS5 - Compact and configurable sheet metal laser cutter

LS5 is one of the markets' most complete solutions, designed to evolve with your needs. No worries about the space required: LS5 has a very compact and configurable layout to fit the available space and processing requirements.

- sheet metal formats: 3000 x 1500 mm (10’ x 5’), 4000 x 2000 mm (13’ x 6.5’), 6000 x 2000 mm (20’ x 6.5’)
- in-line or transverse pallet change
- fiber laser source up to 8 kW
- machinable materials: mild steel, stainless steel, aluminium, copper, brass, galvanized
- very compact layout

# A compact solution with outstanding performance

An innovative, compact machine, with performance comparable to top-of-the-line models.

# A compact solution with outstanding performance

Compact and very configurable: this is the distinguishing feature of the LS5. LS5 is available with a transverse or in-line pallet changer with sizes up to 6000 x 2000(20’ x 6.5’). Add automatic sheet metal loading and unloading or a storage tower for automated material type and thickness changeovers. LS5 is one of the markets’ **most complete solutions**.

# Add tube processing in the future

The LS5 is unique because it can grow to perform double duty by adding a tube cutting module. A fully automated tube loading, cutting and unloading system can be added at any time. The tube cutter shares the same laser and cutting head and axis of the sheet laser. This gives you a low cost entry into automated tube cutting or satisfies the demands of your production mix when the need for two separate laser systems is not justified.

# The advantages of fiber laser cutting:

## More efficiency and less power consumption

The increased electrical efficiency of fiber laser technology drastically slashes the electrical consumption of the system which means a monthly savings on your utility bills and a reduction in the initial investment in electrical equipment and services.

## Superior performance on thinner materials

The faster speed of nitrogen fiber laser cutting on thin walled more than doubles machine productivity compared to $CO_2$: mild steel and medium thickness stainless steel are the materials that typically benefit the most from fiber laser technology.

## No laser maintenance needed

The fiber laser does not require routine maintenance or rebuilding procedures. No laser gas is needed. Laser beam quality is stable over time and is available immediately upon start up.

## New materials and new opportunities

Copper and brass, materials which were off-limits with $CO_2$ technology can be easily cut with fiber laser. Even tricky to cut aluminum and galvanized steels have no limits. Fiber technology offers new opportunities and a more robust production method for difficult materials.

# Loading and unloading: quiet and capable

All electric pallet changing is faster and quieter than the cheaper hydraulic type loaders.

It is available for different sheet metal sizes, up to 6000x2000 (20' x 6.5'), and can be configured to process most sizes loading from either behind and or in-line to adapt to the available floor space.

# Ergonomics: made to be used

The LS5 has outstanding access to the cutting area. Large access doors are arranged along the entire length of the machine. The suspended CNC operator console helps reduce the machine's footprint while making it easy for the operator to get the best view of the operations.

# Special nozzles: the difference where least you expect

BLM GROUP has developed specific cutting nozzles for various applications. The nozzles are specifically developed to enhance machine performance.

Cutting quality and process robustness are greatly improved with these special nozzles. One of the many reasons to consider an LS5.

# On board help

Are you a new user or do you only need a quick refresher?

The machine's CNC contains the help you need; instruction manuals, maintenance tutorials, exploded drawings to identify spare parts, and video guides for 'how to use' tutorials.