



**CUTLITE PENTA**

**LME**



# LME

The **LME** laser system model combines the ability to produce at a high-quality level with high efficiency and very low operating costs. Born to meet the needs of small and medium-sized carpentry, which had for long been demanding compact machines that maintained cutting quality, accuracy and precision.

LME is Cutlite Penta's answer to satisfy this request: it maintains the linear motor architecture and the "all in one" characteristic of its older sister PLUS, the same EVO 3 cutting head, the same CNC numerical control, the operating software Smart Manager Plus and the exclusive Smart Composer software, which makes it possible to design and program on board the machine. All this makes the LME laser system one of the most versatile and reliable available in the mid-range market.

## Versatile and accessible linear motor solution

The LME is the only model in its category to mount linear motors and absolute encoders, which allow for high levels of reliability and low maintenance requirements. The attention to quality, and the concreteness that distinguishes the entire Cutlite Penta range, translate into a multiplicity of applications and a rapid return on investment, unmatched in the reference market.

## Cutting head

The EVO 3 cutting head that Cutlite Penta has designed and assembles within its own facilities stands out for performance and reliability, reduces technical gas consumption and supports prolonged periods of intensive use.

## Laser source

Fiber laser sources up to **20kW** ensure great versatility in metal cutting. The source, which stands out for high efficiency, excellent beam quality and low energy absorption, is contained in a conditioned and sealed **NEMA 12** cabinet so that it can operate even in hostile environments. The high reliability of these sources also contributes to reducing maintenance costs.

## Structure and movement

The base structure is made of electro-welded steel and machined to receive high-precision guides for linear motors, while the gantry mechanism is composed of a rigid and light steel beam. This configuration constitutes a resistant and durable apparatus, characterized by excellent movement dynamics for an introductory model to linear motor systems.

## Scrap recovery

The area below the work surface is divided into modular sections of about 500mm each that collect the scraps by channeling them towards the relative collection systems positioned under the structure. Each pair of sections is equipped with a fume suction mouth.

## Work surface

The work surface consists of a replaceable support grid. The same laser machine can be used to produce this grid using a pre-installed program in the numerical control.

LME MODEL	WORKING AREA
1010	1000×1000 mm
1020	1000×2000 mm
1515	1500×1500 mm
3015	3000X1500 mm
4015	4000×1500 mm
4020	4000×2000 mm
6020	6000×2000 mm
6025	6000×2500 mm
7020	7000×2000 mm

LASER POWER
2.000 W
3.000 W
4.000 W
6.000 W
8.000 W
12.000 W
15.000 W
20.000 W

WORKING AREA UP TO  
**7000 × 2000 mm**

POWER UP TO  
**20 kW**



ENGLISH



CUTLITE PENTA

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