CUTLITE PENTA

PLUS EVO

PLUS EVO

The range of **PLUS** laser systems is the result of the experience that Cutlite Penta has accumulated thanks to its continuous commitment to precision and innovation. Designed and built to fully reflect our highest standards, this family of systems combines superior quality, high productivity and low operating costs, ensuring impeccable results and unparalleled reliability, continuing to redefine the limits of what the market expects from fiber laser cutting technology, particularly with regard to the thicknesses treated and the expected return on investment.

The quality of movement is ensured by the best linear motors available on the market, which combined with the fiber laser source and a robust structure, built with high quality materials, guarantee the longevity of the PLUS system with constant performance over time: Cutlite Penta knows well that to withstand the daily demands of industrial production, the value of a laser cutting machine is measured starting from its reliability, for this it lays the foundations of its flagship model. The peculiar characteristics of the PLUS range by Cutlite Penta, allow it to obtain unmatched cutting results from a qualitative point of view, especially as the thickness increases, for all the most used materials, from carbon steel to stainless steel, maintaining these results constant over time, and now, thanks to a further lightening of the gantry **the PLUS EVO returns even better dynamic performances compared to previous versions**.

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, and on the PLUS model is available with bevel option up to +/-50°.

Laser source

Fiber laser sources allow great versatility and allow cutting multiple types of metals. High efficiency, excellent beam quality and low energy absorption are its peculiar characteristics. The source is contained in a conditioned and sealed **NEMA 12** cabinet so that it can operate even in hostile environments. Such a degree of reliability guarantees extremely reduced maintenance costs.

Structure and movement

The base is an **electro-welded steel structure**, thermally stabilized, which is then machined to receive the high-precision guides and linear motors. The supports on which the steel beam rests are made of cast aluminium alloy. In the latest EVO version, the steel beam is even stiffer and lighter and is driven by linear motors with absolute inductive encoders to achieve even higher dynamic performance.

Scrap recovery

The area below the work surface is divided into **modular sections** of about 500 mm each, which collect the scraps channeling them towards the relative collection systems positioned under the structure. Each section is equipped with two suction mouths.

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.

PLUS EVO MODEL	WORKING AREA
4525	4500×2500 mm
6520	6000X2000 mm
6525	6500×2500 mm
6530	6500×3000 mm
8020	8000×2000 mm
8025	8000×2500 mm
8030	8000×3000 mm
9030	9000×3000 mm
12030	12000×3000 mm
13030	13000×3000 mm
14025	14000×2500 mm
14030	14000×3000 mm
15020	15000×2000 mm
15030	15000×3000 mm
16535	15000×3000 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
30.000 W
40.000 W
50.000 W
60.000 W

WORKING AREA UP TO

16500 × 3500 mm

POWER UP TO

60 kW

Measurements may vary in size according to the customer's needs. Contact us for more information.

ENGLISH

CUTLITE PENTA

CUTLITE PENTA S.p.A

Phone: (+39) 0574 874301
Email: contacts@cutlitepenta.it

Head Office:
Via Guimaraes, 7/9
59100 – Prato

Registered Office:
Via Baldanzese, 17
50041 – Calenzano (FI)