

PHOENIX

DYNAMIC, VERSATILE LASER CUTTING

FIBER LASER
CUTTING MACHINE



WHY PHOENIX?

- High-end cutting head
- 6, 12 or 20 kW laser
- Exceptional dynamics
- Bevel head option (Phoenix FL-6525)

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OPTIMAL LASER POWER UP TO 20 kW

With 6, 12 or 20 kW, Phoenix offers the optimal laser power for your application with the best cutting speed and precision, featuring a wall plug efficiency up to 40%. Depending on the laser power, Phoenix features a 7.8" or 9.8" focusing lens, ensuring optimal beam intensity and minimizing the heat-affected zone.



PHOENIX FL-6525 WITH BEVEL HEAD

Phoenix FL-6525 features a maximum cutting range of 256" x 102" and can be equipped with a bevel head. Bevel cutting offers a fast and cost-effective way to create intricate designs or prepare material for subsequent welding operations. Bevel cutting is not available on the 20 kW model.

SPECIFICATIONS

- Sheet size formats: 120" x 60", 160" x 80", 240" x 80"
Phoenix FL-6525: 252" x 98" when straight cutting, 240" x 78" when bevel cutting
- Laser power: 6, 12 or 20 kW
- Icon-driven 19" LVD Touch-L control



AUTOMATION-READY

Phoenix is designed as automation-ready and can be combined at any time with any one of LVD's MOVit Laser Automation systems, including:

- Load-Assist
- Compact Tower
- Flexible Automation
- Tower Automation System
- Warehouse Automation System

HIGH-END CUTTING HEAD

All Phoenix models are equipped with an advanced cutting head featuring auto focus and real time monitoring. The focusing lens automatically adjusts the focus position depending on material and thickness to achieve optimal cutting speed and quality.



DANGER



Laser Radiation.
Avoid eye or skin exposure to
direct or scattered radiation.

Maximum power 12000 Watts Ytterbium Laser
Maximum power 1mW 600-700 nm

Class IV Laser Product



EXCEPTIONAL DYNAMICS

The Phoenix range achieves exceptional dynamics thanks to the gantry design and Siemens motors and drives. The frame design ensures stiffness and stability even during high acceleration, guaranteeing workpiece accuracy across a wide range of materials, from thick to thin.

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