

PHOENIX

DYNAMIC, VERSATILE LASER CUTTING

FIBER LASER
CUTTING MACHINE



WHY PHOENIX?

- High-end cutting head
- Optimal laser power up to 20 kW
- Exceptional dynamics
- Phoenix FL-6525 with bevel head option

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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 200 or 250 mm focusing lens, ensuring optimal beam intensity and minimising the heat-affected zone.



PHOENIX FL-6525 WITH BEVEL HEAD

Phoenix FL-6525 features a maximum cutting range of 6510 x 2600 mm 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.



AUTOMATION-READY

Thanks to its shuttle tables, Phoenix perfectly combines with all 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.

SPECIFICATIONS

- Sheet size formats: 3050 x 1525 mm, 4065 x 2035 mm, 6160 x 2035 mm
Phoenix FL-6525: 6400 x 2500 mm when straight cutting, 6100 x 2000 mm when bevel cutting
- Laser power: 6, 12 and 20 kW
- Icon-driven 19" LVD Touch-L control



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 remarkable workpiece accuracy across a wide range of materials, from thick to thin.