



POWERBLADE

Powerful, dynamic and precise

The PowerBlade is characterised by extreme dynamic performance and accuracy. With working widths of over 4 m and track lengths of 40 m and more, the laser cutting machine is predestined for large format plates.

APPLICATIONS

With the modern fibre laser technology, extremely powerful drives, precise linear guides in both longitudinal and transverse directions and a multifaceted bevel head, the PowerBlade is equipped for a wide range of applications.

As well as vertical cuts, the widest range of bevel cuts can be combined in one part, for example to produce optimum weld seam preparations – and all that in one operation. The on board colour camera enables the process to be viewed over the entire working area. Thus the laser cutting machine PowerBlade stands out due to its unsurpassed flexibility.

THE LASER

The laser is characterised by a high efficiency as well as a robust and long lasting construction. The laser beam is carried in the energy chain through a glass fibre. So the high beam quality and with it the cut results are consistent over the entire working area. No adjustment and no beam path purging is needed right the way up to the cross carriage. At the same time, the laser resonator does not have any negative effect on the machine dynamics, as it is installed statically beside the machine.

Guided by the Global Control, the PowerBlade is thus extremely user friendly and economical. The machine thus meets all expectations for simple operation, low costs and high reliability.

TECHNICAL DATA

Track width	4200 mm	5000 mm	6000 mm
Working width	2500 mm	3000 mm	4100 mm
Maximum speed	100 m/min	100 m/min	100 m/min
Acceleration up to	7 m/s ²	7 m/s ²	7 m/s ²
Laser consumption	2400 Watt / 3000 watt	2400 Watt / 3000 watt	2400 Watt / 3000 watt