



MESSER 
Cutting Systems

POWERBLADE®
POWERFUL, DYNAMIC
AND PRECISE

POWERBLADE®

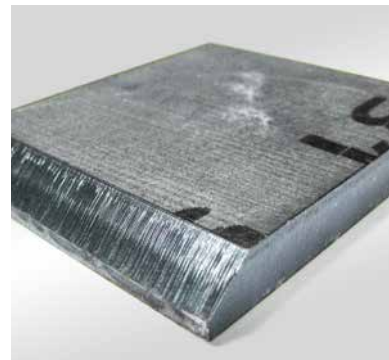
USER-FRIENDLY,
LOW MAINTENANCE, ENERGY EFFICIENT



The new Global Control with 24" touch screen monitor offers much room, a clear operator guidance and can be flexibly configured if required



The infinitely rotating bevel head with magnetic collision protection enables bevel cuts up to 50°



Y weld preparation bevel on 10 mm mild steel, 45° with 3 mm land



Two laser heads operating it possible to double the c



POWERBLADE® THE ADVANTAGES



in parallel make
cutting output



The full enclosure and shuttle table
guarantee absolute laser safety for the
fibre laser



- Large area processing with fibre Laser
- Working widths up to 4500 mm, working lengths up to 50 m
- Highly dynamic; simultaneous speeds up to 140 m/min, highest acceleration up to 1 g
- Track designed for laser requirements, grouted after levelling
- Highest positioning and repetitive accuracies
- Fibre laser resonator installed separately
- Efficiency of 20 % higher than for a CO₂ Laser
- Laser beam guidance through glass fibre lines
 - No optical beam path
 - No loss in beam path
 - No power losses through deflection mirrors, direct linking in the Z axis
 - No beam path purging required
 - Lowest maintenance costs
- Real time laser power control and laser power monitor generate minimum hole piercing times
 - Narrowest cutting kerf
 - Fine precision micro stitches
- Infinitely rotating bevel head
- Continuously adjustable bevels from -45° to + 50°
- Optimised fast operating cycles
- Automatic calibration after nozzle change
- Various marking processes
- On request: combination with plasma and drilling head

And many more...

POWERBLADE®

Technical Data (all dimensions in mm)

PowerBlade®	4200	5000	6000	6500
A Track width	4200	5000	6000	6500
B Working width	2600	3200	4200	5150
C Total width	5780	6580	7610	8110
D Table height	720	720	720	720

Laser Power

optionally 2 - 6 kW

E Total height	3100	3100	3100
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Total length

customer-specific

