



MESSER 
Cutting Systems

LASERMAT® II

THE SPECIALIST FOR LASER PROCESSING IN XXL FORMAT

LASERMAT® II

THE APEX OF QUALITY



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°



Bevel example in Mild Steel: 15 mm 45° YDS and 30° VAS (cut quality depends upon material)



On request customer specific is possible: e.g. Bevel cutting



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THE ADVANTAGES

- Large area processing with the CO₂ Laser: on-board resonator
 - Working widths up to 4500 mm, working lengths up to 50 m
 - Beam path length compensation guarantees the highest cut quality over the entire working area
 - On-board laser protection hood (Laser protection class 1) permits direct crane loading even with large special formats or parts.
 - A total enclosure, as required for fibre lasers, is not necessary
 - Highly dynamic; simultaneous speeds up to 140 m/min, acceleration up to 0.5 g
 - Track designed especially for laser, grouted after alignment and levelling
 - Robust linear guides
 - Highest positioning and repetitive accuracy
 - Optimised fast process cycles
 - Real time laser power control generates the shortest hole piercing times and the finest micro-stitches
 - Infinitely rotating laser bevel head
 - Continuous bevels from -45° to +50°
 - Special nozzles for bevel cutting in Stainless Steel
 - The widest range of marking processes
 - User specific customisation on request
- And many more...



special processing
in a dished end



The laser on-board protection hood together with the light barriers allow direct crane loading as well as loading and unloading during the cutting operation



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Technical Data (all dimensions in mm)

| LaserMat® | 4200 | 5000 | 6000 |
|-------------------------------|-------------------|------|------|
| A Track gauge | 4200 | 5000 | 6000 |
| B Working width (max.) | 3100 | 3500 | 4500 |
| C Overall width | 5780 | 6580 | 7610 |
| D Table height | 720 | 720 | 720 |
| E Overall height | 3100 | 3100 | 3100 |
| Total length | Customer specific | | |
| Laser power optional | 4000 W to 6000 W | | |

