



**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 CO<sub>2</sub> 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 |
|-------------------------------|-------------------|------|------|
| <b>A</b> Track gauge          | 4200              | 5000 | 6000 |
| <b>B</b> Working width (max.) | 3100              | 3500 | 4500 |
| <b>C</b> Overall width        | 5780              | 6580 | 7610 |
| <b>D</b> Table height         | 720               | 720  | 720  |
| <b>E</b> Overall height       | 3100              | 3100 | 3100 |
| Total length                  | Customer specific |      |      |
| Laser power optional          | 4000 W to 6000 W  |      |      |

