

TruLaser 8000:

Discover new
dimensions.



Flexible and economical for oversize formats.

The TruLaser 8000 achieves the highest level of efficiency and excellent part quality in the processing of oversize formats. It offers a wide range of options and is thus capable of meeting all your format, material and productivity needs.

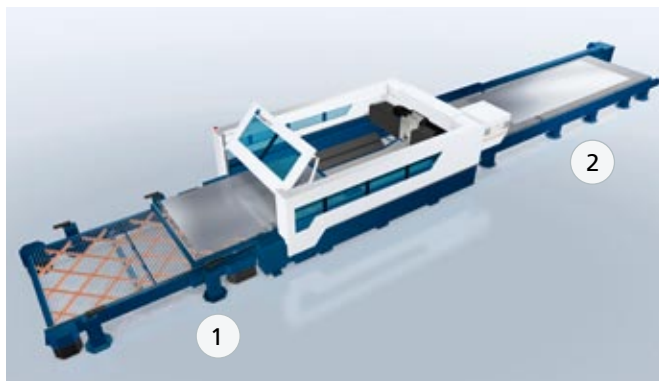
TruLaser 8000: benefits at a glance.

- 1 Sheets up to 16 m length.
- 2 Flexible choice of pallet concept.
- 3 Highly productive machine concept.
- 4 Reliability thanks to intelligent process control.
- 5 Outstanding accuracy and part quality.



Typical oversize part: 16 m trailer.

The TruLaser 8000 allows you to process sheets up to 16 m long. The sheet moves forward through the machine in several steps. No matter how often you process oversize formats, TRUMPF has a pallet changer concept to fit your needs.



Flexible with oversize supplementary pallet unit.



Highly productive with oversize pallet changer.

Ideal for an oversize format ratio **up to 40 %**

- Use the pallet changer (1) and automation for the highest level of productivity with standard formats up to 4 m in length.
- Increase your flexibility with the supplementary pallet unit (2) for sheets up to 16 m in length.

Ideal for an oversize format ratio **over 40 %**

- Achieve maximum productivity with oversize formats up to 12 m in length due to loading and unloading parallel to production.
- Attain the shortest cycle times possible with the fast oversize pallet changer.
- Process economically in unmanned operation with maximum process reliability.



Powerful, reliable and productive.

The TruLaser 8000 assures you essential advantages for your oversized format processing:

- Tried and tested TruFlow laser for maximum cutting quality.
- Intelligent process control.
- High dynamics and accuracy of the linear drives.
- Patented solution for extremely fast and precise pallet conveyance.
- Optional second cutting head for twice the productivity.



Clever, controlled and precise.

Innovative processing strategies are the best quality assurance for your oversized format processing:

- Control of material residual stress enables cuts without offset – for sheets up to 16 m in length.
- Outstanding part quality due to high-resolution, direct measuring systems in all axes.
- Filigree contours in thick and thin sheets thanks to precise laser control.

Pallet concept	Pallet changer 4 x 2.5 m and oversized supplementary pallet unit	Oversized pallet changer
Oversized format versions	16,000 x 2,500 mm	12,000 x 2,500 mm
	14,000 x 2,500 mm	8,000 x 2,500 mm
	12,000 x 2,500 mm	6,000 x 2,500 mm
	10,000 x 2,500 mm	
	8,000 x 2,500 mm	
	6,000 x 2,500 mm	
Max. laser power	TruFlow 3600 3,600 W	TruFlow 6000 6,000 W
Max. sheet thickness		
Mild steel	20 mm	20 mm
Stainless steel	15 mm	20 mm
Aluminum	10 mm	15 mm
Working range (X * Y)	4,000 x 2,500 mm	
Max. axis speed (simultaneous)	304 m/min	
Position deviation Pa ^[1] (Measuring length of 4 m)	0.05 mm	
Average positioning range Ps ^[1] (Measuring length of 4 m)	0.02 mm	
Repeatability of repositioning	+/- 0.1 mm	
Position accuracy of repositioning	+/- 0.2 mm	

^[1] The achievable workpiece accuracy depends in part on the workpiece type, pretreatment, sheet size, and its position in the work area. According to VDI/DGQ 3441.

TRUMPF is certified according to DIN EN ISO 9001 and VDA 6.4