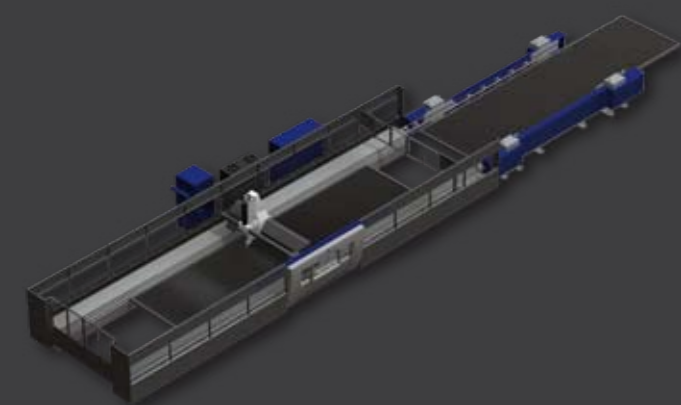


## TL 3.12 3D Speed



TL 3.12 3D Speed, 3-D cutting, speed and precision.

Tube Tech Machinery has designed a new machine for cutting and machining large-sized sheets with excellent performance.

TTM  
TUBE TECH MACHINERY

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Tube Tech Machinery S.r.l.

via Bonfadina, 33

25046 Cazzago S. Martino (BS) / Italy

tel. +39.030.7256.311

fax +39.030.7256.333

info@tubetechmachinery.com

www.tubetechmachinery.com



associata UCIMU - SISTEMI PER PRODURRE

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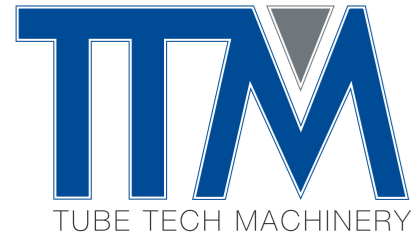


M  
TUBE TECH MACHINERY

TL 3.12 3D Speed: evolving technology.

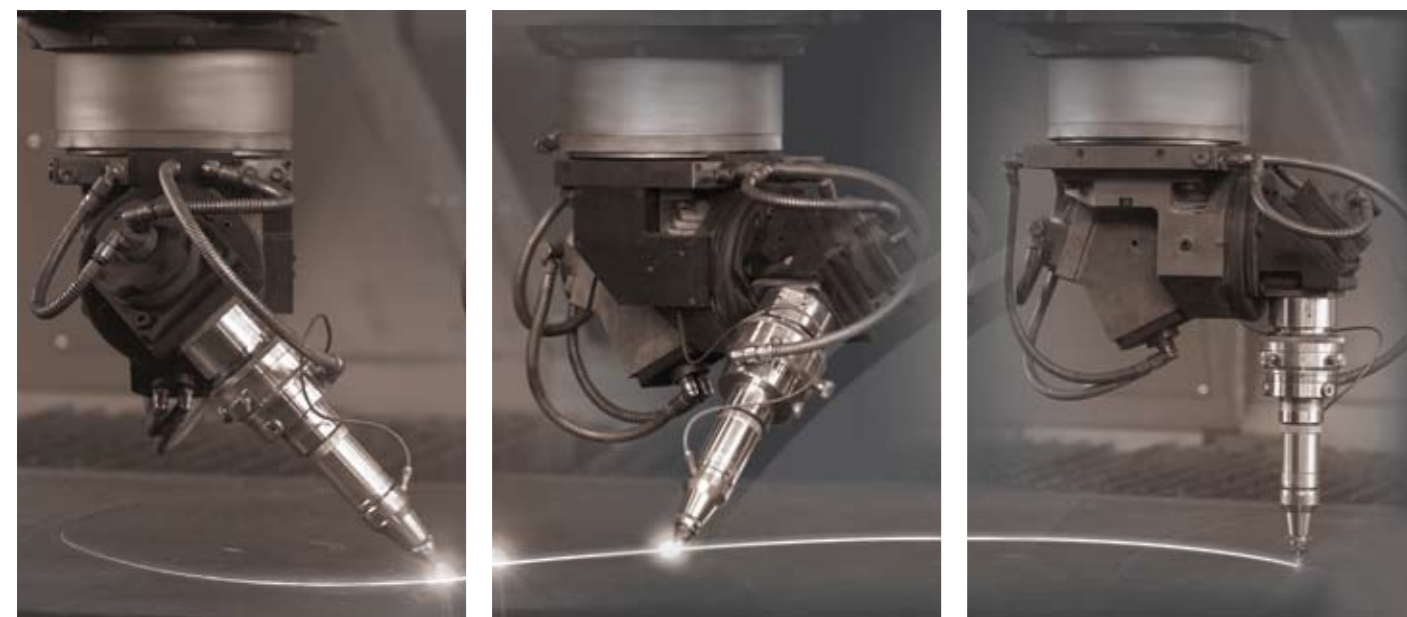
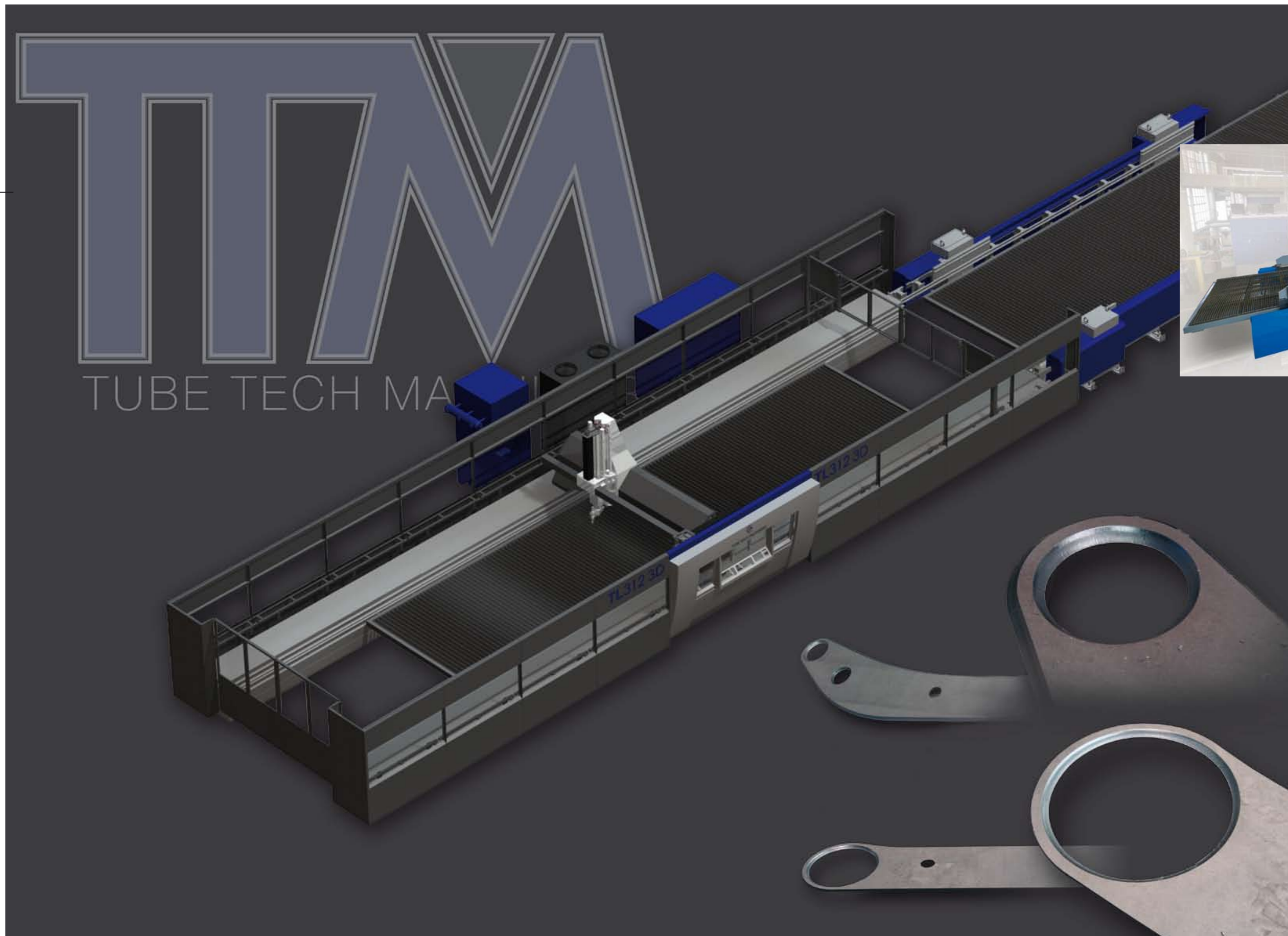


## TL 3.12 3D Speed



## TL 3.12 3D Speed

High performance achieved by the use of linear motors also for the cutting of large formats.  
Conceived and designed to ensure high reliability and precision.

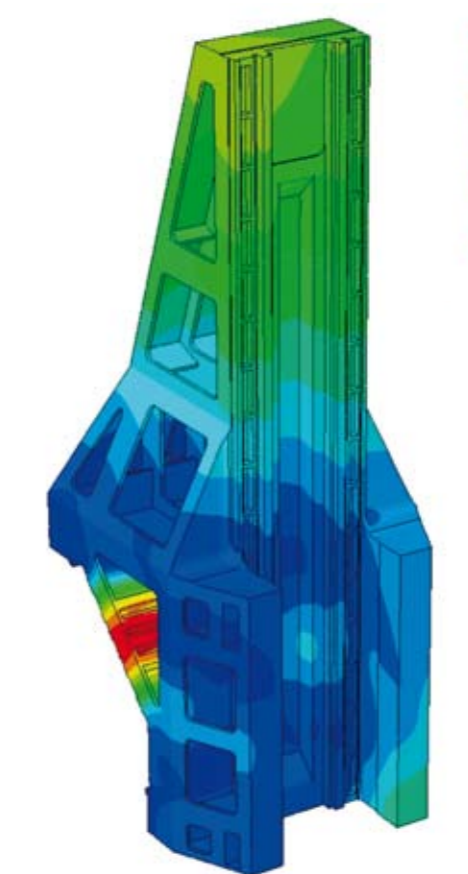


3D CUTTING HEAD FOR VERTICAL AND INCLINED CUTS UP TO 45°

- I-,V,Y inclined cuts for the weld preparation
- Simultaneously interpolation of 5 axis and cutting corner change during the process
- CAD/CAM programming
- Cuts with positive and negative corners practicable on the same piece
- Magnetic release for collisions protection head

### Automatic pallet change

A pallet change system is provided for safe operation and increased productivity.



The entire system is designed using FEM (finite elements method) structural computation software that allow the dimensional characterisation of the structures and the optimisation of strain and deformation status in relation to the stresses applied.

2D or 3D head	
Pallet change	
Stroke of axis X, different formats up to	36000 mm
Stroke of axis Y	3200 mm
Stroke of axis Z	500 mm
Offset of strokes ways of axis X	4000 mm
Speed of axis X	100 m/min max
Speed of axis Y, Z	100 m/min max
Simultaneously positioning speed X,Y	140 m/min max
Positioning precision Y,Z	0.02 mm
Repeatability positioning Y,Z (VDI3441 norm)	0.01 mm