



CMM

TECNOLOGIE METALLURGICHE AVANZATE

Laser cutting and drilling for beams



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Combined to the laser processing of steel pipes and hollow section, CMM is also able to perform complex manufactures even on beams. Thanks to the laser cutting technology we can cut and drill beams with following sections : UNP, HEA, HEM, HEB, IPE, L . This type of processing allows designers to be more free in drawings phase because with the laser cutting it is now possible to work something recently unthinkable, for example: writing, joints, chamfers, cuts, lightening through drilling as per customer's drawings and drilling to combine beams.

Working dimension:

Maximum Section : 400x180 mm

Maximum length : 14.000 mm

Maximum thickness : 18 mm



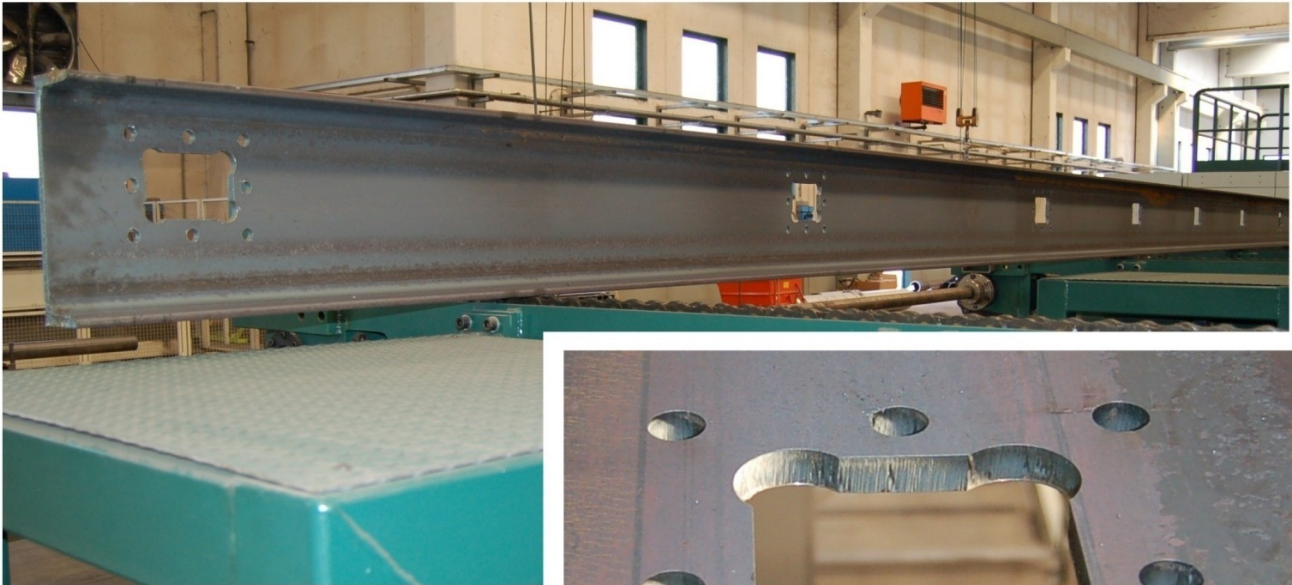
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Picture 1 IPE lightened Beam 400X180

Picture 2 IPE lightened Beam 14 meters long

Picture 3 Some examples of cutting, drilling and rounding

Picture 4 Working on sections of small sizes



Less limits to the project

Using the laser technology, it is now possible to use profiles UPN as a concrete alternative to cut-and-bended sheet.

Benefits are to be able to have profiles processed with lengths up to 14 meters. We are able to achieve any geometric shape on these profiles drawn with CAD. With our CAD / CAM we are able to import from customers their 3D files with the following formats: IGS, STP, XT, SAT. Regarding the more common 2D files, we can import DXF or DWG.

