

Beam welding line | Vertical solution

BWM-TC - Beam Welding

The BWM-TC series represents the most advanced and flexible automatic solution in the world for the production of welded T and I beams, as well as other non-standard beams.

The **BWM line** allows you to reach the maximum level of productivity, drastically reducing the use of the overhead crane during the entire production cycle. In addition, a complete pre-tack is not required, as only one weld point is required at the front of the beam. The series also offers full programmability with automatic machine settings that can be defined in a few seconds, an integrated flange post-deformation device with a **capacity of 100 tons**, welding parameters that can be memorized and integrated with full control of the same during the welding phase, welding torch angle setting, Industry 4.0 and many other options. An integrated twin solution of the **TC series** is available to maximize high volume production requirements. This machine is a leader in the fields of metalwork, bridge fabrication, service centers, shipbuilding, off-shore platforms and **PEB** construction.

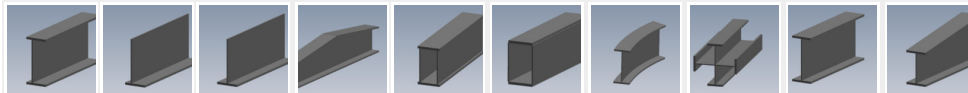


Sectors



	BWM-TC 1200x600	BWM-TC 1500x800	BWM-TC 2000x1000	BWM-TC 2500x1250	BWM-TC 3000x1250	BWM-TC 3500x1500	BWM-TC 4500x2000
MAX BEAM WEIGHT	Custom						
FLANGE WIDTH	100-600 mm	150-800 mm	150-1000 mm	150-1250 mm		150-1500 mm	150-2000 mm
WEB HEIGHT	150-1200 mm	200-1500 mm	200-2000 mm	200-2500 mm	300-3000 mm	300-3500 mm	300-4500 mm
BEAM LENGHT	Custom						
CONVEYOR'S TRAVEL SPEED	12 m/min						
MAX CYLINDER STROKE	1050 mm	1300 mm	1800 mm	2300 mm	2700 mm	3200 mm	4200 mm
TYPE OF WELDING	Submerged arc: Single-arc / Twin-arc / Tandem / Tandem-Twin						

Type of beams



Accessories & Torches

Flux-heating system
Box Beam with flange protrusion kit
Box Beam gravity welding kit
Welding monitoring camera
Vibrating flux feeding device
Flux dryer
Flux holding device
Pneumatic flux tank feeder
Gas pre-heating system
Induction web straightening system
POWERED WIRE ANGLE SETTING SYSTEM
Star-beam welding kit
Web's slots balanced wheels kit
Tavola rotante Girafusto
Torch single-arc cross 5/32" Ø4mm
Torch (cooled) single-arc Long-Wire-Out 5/32"

