

WA 1000/1500/2000

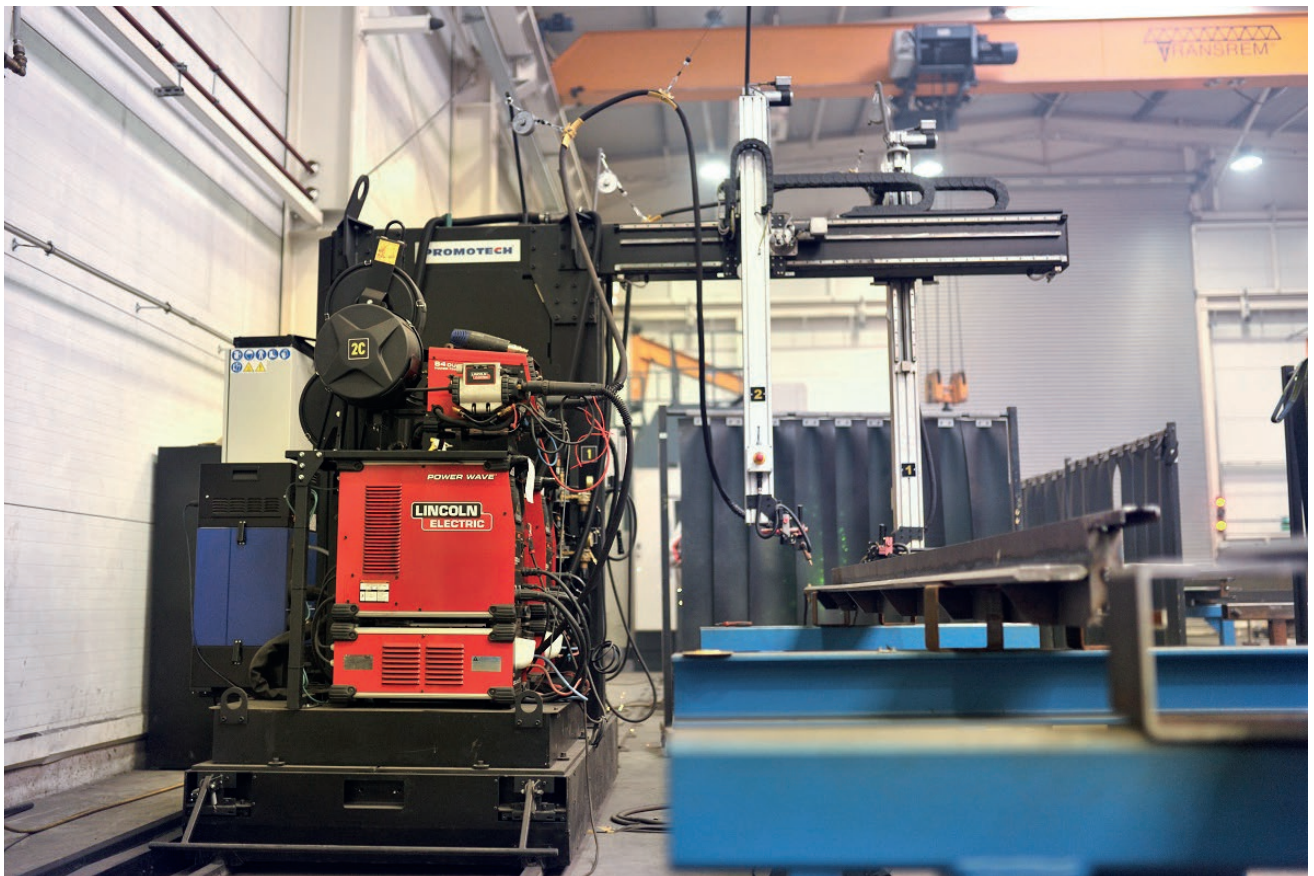
MIG-MAG / SAW
SD / HD



Automatic longitudinal top quality MIG-MAG or SAW welding of long structural Box beams and H, I, T, HKS, HSQ also automotive chassis for long truck/train beams.

Single or multi-pass automatic fillet/butt welding with electro-mechanical joint tracking system.

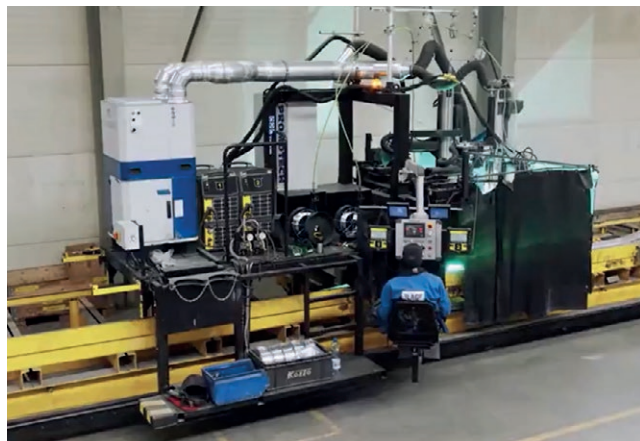
Minimized welding defect&reduced non-productive time and it's **One-man operation!**



GWS type WA TWIN MIG (Hyperfil)

Your benefits:

- Automatic fillet and butt welding with joint tracking
- Multipass welding
- One-man operation
- Reduction of costly over-welding and decrease in filler metal usage
- User friendly interface – multiple languages
- Accepts most of MIG-MAG and SAW welding power sources
- 24 months extended warranty

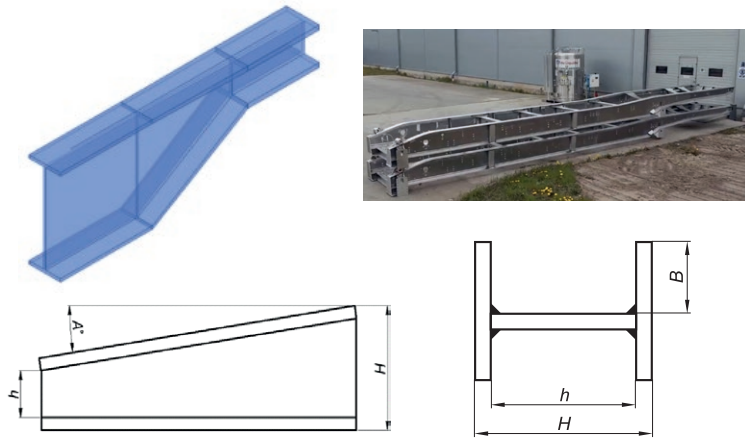


PROMOTECH automatic electro-mechanical joint tracking ensure proper and repeatable torch positioning / welding process.

Welding Torch Rotation Module (WTRM) for longitudinal welding of variable geometry chassis and structural beams

Thanks to WTRM, the welding torch keeps a constant position relative to the workpiece, ensuring uniform weld quality along the entire length of the welded joint. The torch position in relation to the workpiece is determined by the distance in the vertical and horizontal axes, correct angle between the welding torch and the workpiece, and tilt angles of the torch. In addition, automatic torch rotation maintains a steady rake angle to the workpiece. Constant values of these parameters ensure proper penetration in depth and width of the weld face.

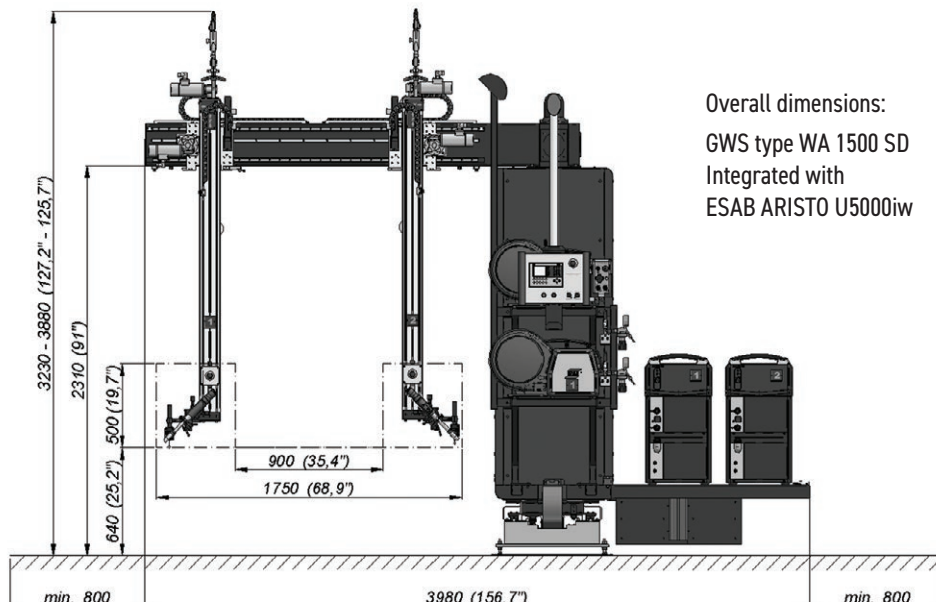
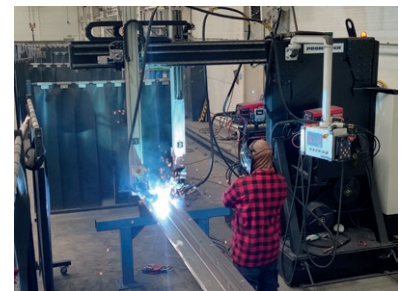
Welding portals equipped with WTRM are an attractive alternative to robotic applications and allow you to increase welding speed and significantly reduce operator training time. The use of WTRM in the SAW process makes it possible to produce materials in excess of 4mm thick with minimal energy input, reducing workpiece deformation. Torches with WTRM control easily handle shiny materials such as aluminum and high-alloy steel.



Features and benefits:

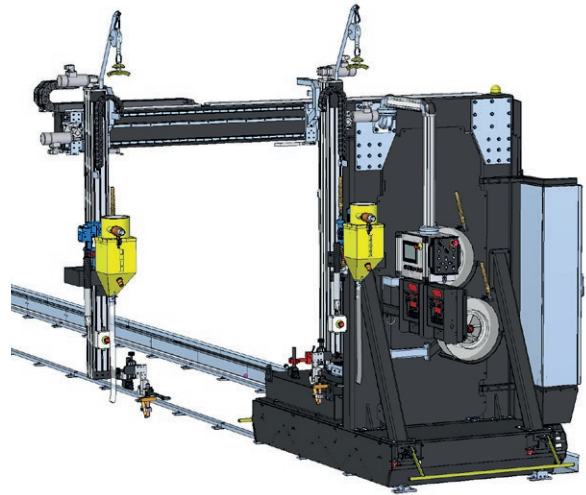
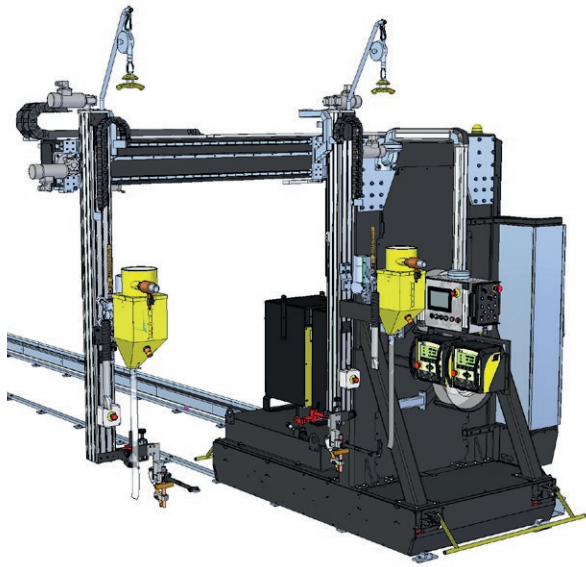
- Designed to maintain automatically the constant position of the welding torch in relation to the seam during welding process
- Maximum taper angle (A): 20°
- Minimum width of the welded beam (h): 120 mm
- Maximum width of the welded beam (H): 1500 mm
- Minimum height of the beam flange (B): 90 mm
- Maximum height of the beam flange (B): 160 mm
- Type of weld and welding position: fillet weld, PB position
- Welding process type: MIG/MAG or SAW
- Welding torch to be advised
- Welding equipment to be advised
- 24 months extended warranty

TECHNICAL SPECIFICATIONS	WA 1000 SD / WA 1500 SD
Welding method	MIG/MAG
Welding Torch Rotation Module (WTRM)	Option
Length of track	13m/12m; 16m/15m; 19m/18m; Upon request 19m+
Max workpiece height	1m (39.4") / 1.5m (60")
Max welding speed	Up to 2 m/min solid wire
Possibility to implement additional functionality e.g. welding length, intermittent welds	Yes
Possibility of changing welding parameters during welding process "on the fly"	Option
Fume extraction system (recommended)	Recommended Option for Operator safety



Overall dimensions:
GWS type WA 1500 SD
Integrated with
ESAB ARISTO U5000iw

Purpose designed
and custom built versions
to be agreed with PROMOTECH

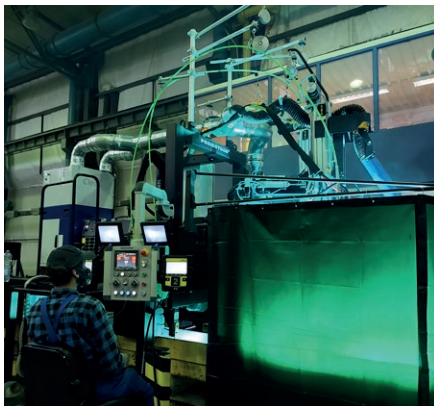


View of GWS type WA 1500 HD / WA 2000 HD MAG/SAW (CV or CC).

TECHNICAL SPECIFICATIONS FOR GWS TYPE WA 1500 HD / WA 2000 HD	
Welding method	either SAW or MIG/MAG
Basic flux recovery system (gravity)	Option
Advanced flux handling system	Option
Welding Torch Rotation Module (WTRM)	Option
Fume extraction system (recommended)	Option
Length of track	Up to 30 m
Max workpiece height	Up to 2 m (80")
Max welding speed	Up to 2 m/min. solid wire
Possibility to implement additional functionality e.g. welding length, intermittent welds	Yes
Possibility of changing welding parameters during welding process "on the fly"	Option
Wire drum feeding	Option



Promotech automatic electro-mechanical joint tracking ensure proper and repeatable welding by means of easy slug removal process.



Special design machine for the trailer beam welding.



All GWS WA HD workstations are equipped with cameras to ensure an operator and welding process safety!

GWS WA work-stations accepts most of welding MIG-MAG and SAW power sources available in the market.

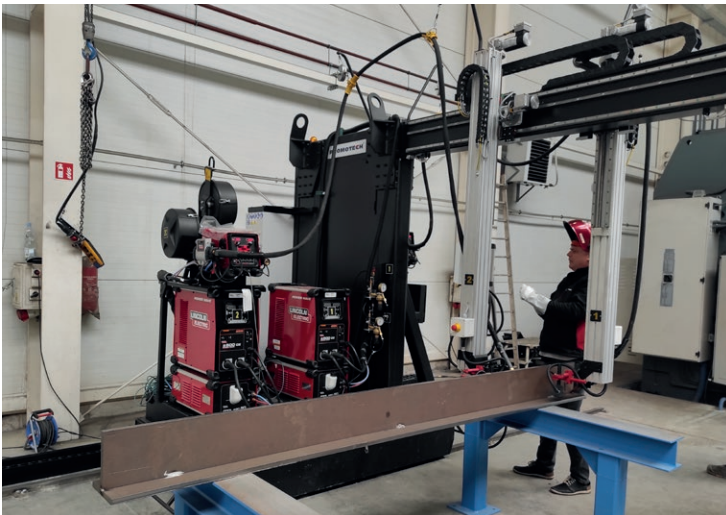
GWS type WA MIG / MAG
Integrated **LORCH S8**



GWS type WA MIG / MAG
Integrated **EWM Phoenix**



GWS type WA MIG / MAG
Integrated **LINCOLN ELECTRIC PW500 HYPERFILL**



GWS type WA MIG / MAG
Integrated **KEMPPI FASTMIG X 450**



GWS type WA MIG / MAG
Integrated **ESAB ARISTO U5000iw**



 **American Welding Society**
Supporting Company Member

Mitglied im DVS – Deutscher Verband für
Schweißen und verwandte Verfahren e. V.

 **DVS VERBAND**

All information is subject to change without notice. 25.09



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