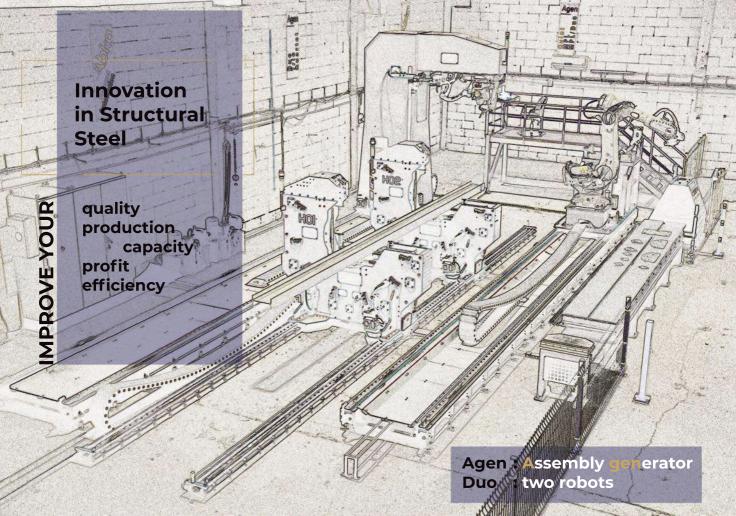
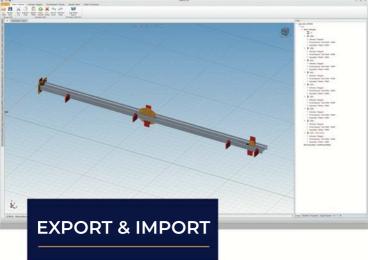


Structural Steel Assembler

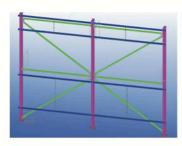








Our software makes it simpler...



Export your BIM/CAD model from TEKLA, SDS/2, Advance Steel etc. with our export module.

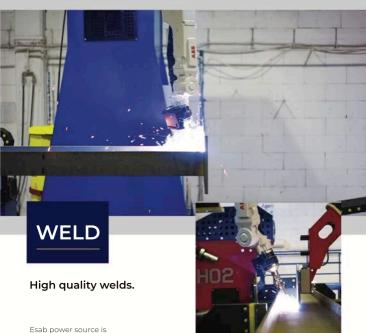
Abka01, our design software, automatically finds the magnet, tack and weld positions. Optionally stud weld positions, too. Also it has advanced collusion check algorithms. For most of the assemblies, total process is only takes couple of minutes. You can not only add, delete, stretch, change thickness of welds but also change weld parameters as well. It's that easy.





The new era for fitting.





industry leader in it's field. Weld Cloud let's traceability in an easier way. From a3 to a6 single layer, a6 to a15 multi layer weld thicknesses can be achieved. Also tandem torches are supported. It's much faster than conventional methods. Torch cleaning unit, cuts wire, cleans the nozzle, sprays anti-spatter spray and calibrates the torch automatically. Welds are second to none.





Agen Duo, with two industrial robot, can boost your production. It's much faster compared with convetional fit&weld process.

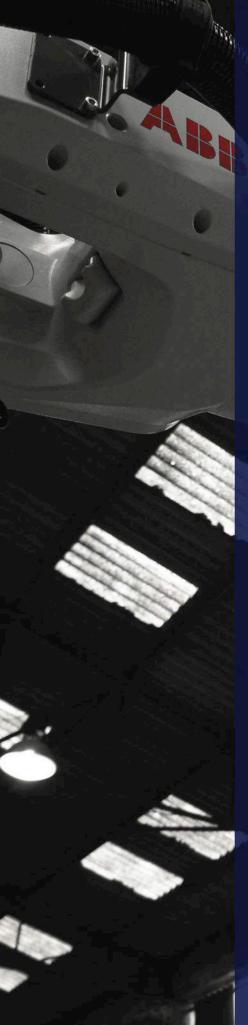
It's flexible, so it can easily be converted to Agen Trio. All the softwares running , is developed by our company Abka. So new options can be added easily.

Increase your competitiveness and quality...



BENEFITS

AUTOMATED FAST EFFICIENT FLEXIBLE ACCURATE CONVENIENT



TECHNICAL SPECIFICATIONS

Industrial Robots:

ABB Handling Robot

- 200kg payload

ABB Welding Robot

18 meter lineer track - 2 piece

Robotic Welding Power Source:

Fronius / ESAB 500 Amper Water Cooled Power Source - Synergic

Wire diameter **-** 1.2mm - 1.6mm Torch bend angle - 22 degree

Big pack wire capacity - 250kg

Weld Shield Gas - Ar + CO₃ %5 / Ar + CO₃ %18

Torch Cleaning Unit:

Wire cutting, rimming, anti-spatter Included Torch measurement and calibration

Plate Table:

Table dimensions 800mm x 8.000mm

Plate flipping

Included

Plate Laser Scan Unit:

Tolerance

± 0.50mm

Laser Touch Sense:

Linearity 0.4mm Max. distance 750mm

Rotator / Positioner: 2 piece

Maximum capacity 6.000kg

Magnet Tool:

Mag No.0 - Optional - Included Mag No.1 70kg Mag No.2 200kg - Included

Operator Panel:

24" multi touch screen

Profil Type	Min. Dimension (mm)	Max. Dimension (mm)
H profiles	120 (4")	1100 (43")
W Profiles	W4x13	W30x391
I profiles	120 (4")	1100 (43")
Box sections	100	600

OPTIONS

Second Weld Tower - Agen Trio Prep.	Optional
1.500mm profile height	Optional
15.000mm profile length	Optional
18.000mm profile length	Optional
Magnet for small parts – Mag No.0	Optional
Corner frame application	Optional
Angle profile processing as ADD part	Optional
Additional workplace license or add. CAD supprort	Optional
Lights-out manufacturing - Full Remote Control	Optional
Pre-heating unit	Optional
Infeed conveyor	Optional
Outfeed conveyor	Optional

Optional

Fronius weld power source instead of ESAB

Let's build the future together.









