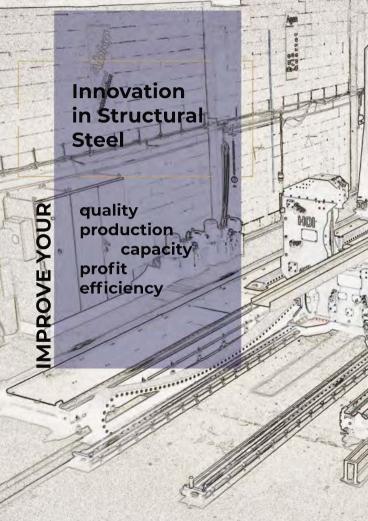


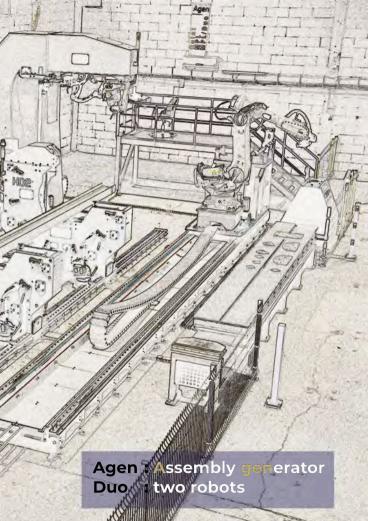
Structural
Steel
Assembler



www.steelmar.at

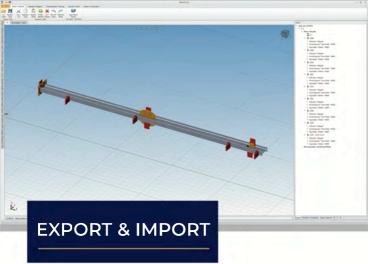
www.abkaotomasyon.com



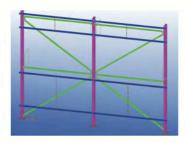








## Our software makes it simpler...



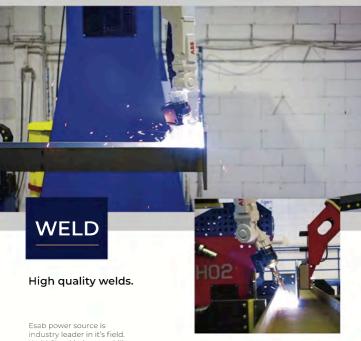
Export your BIM/CAD model from TEKLA, SDS/2. Advance Steel etc. with our export module.

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.









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 Let's build the future together.











## **TECHNICAL SPECIFICATIONS**

Industrial Robots

ABB Handling Robot - 200kg payload ABB Welding Robot

meter lineer track - 2 piece

Robotic Welding Power Source

Fronius / ESAB 500 Amper Water Cooled Power Source - Synergic

Wire diameter - 1.2mm - 1.6m

sig pack wire capacity - 250kg Veld Shield Gas - Ar + CO, %5 / Ar + CO, %1

arch Classing Unit

Wire cutting, rimming, anti-spatter included

Dista Tahla

Table dimensions 1.000mm x 8.000mm

Included

Plate Laser Scan Unit: Tolerance + 0.50mg

Laser Touch Sens

nearity 0.4mm

stator / Positioner: 2 niece

100

lo.0 20kg - Optional lo.1 70kc - Included

Annester Dane

24" multi touch screen

Profil Type	Min. Dimension (mm)	Max. Dimension (mm
H profiles	120 (4")	1100 (43")
	W4x13	
Box sections		

### OPTION:

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