



Because **SIZE MATTERS**: Seam Welding from 1 – 8 Meters!



## Features

- Used for pipes (Chimneys, tanks, rain pipes,..), and flat sheets
- Welding method Plasma or TIG
- Integrated welding power source
- Touch screen control
- Variable welding speed and start/end position
- Storable welding programs
- Electrical torch height adjustment (AVC)



## Standard Range

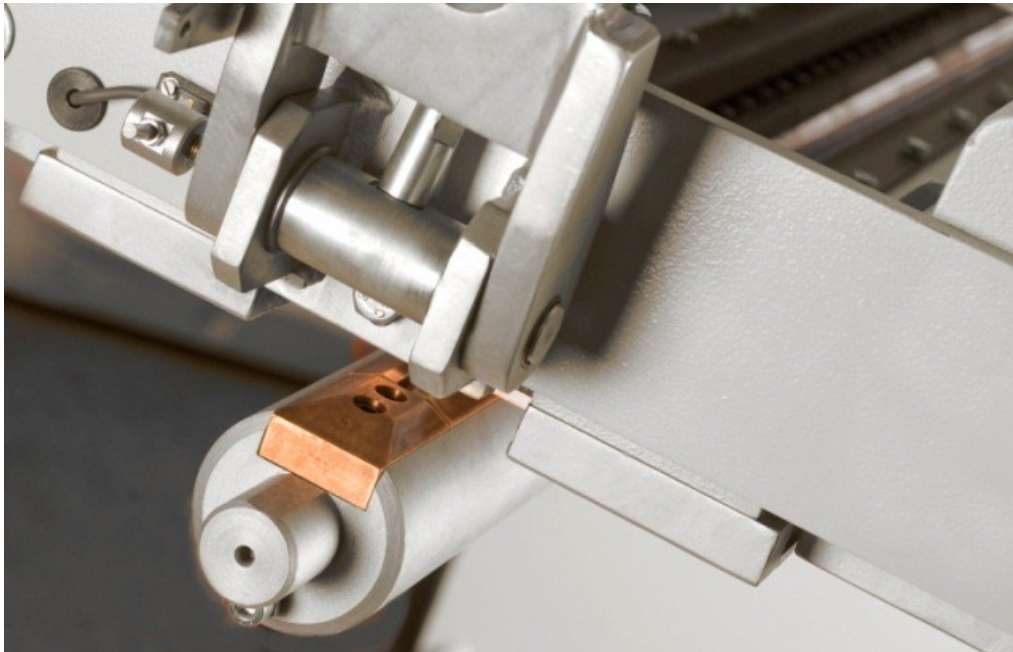
- Welding length: 500 – 3000 mm (steps in 500 mm)
- Diameter: 80 – 800 mm
- Material thickness: 0,5 – 3 mm





<div>Type</div> <div>Dimension</div>	SWD500	SWD1000	SWD1300	SWD1500	SWD2000	SWD2500	SWD3000
Length (L) [mm]	2050	2550	2850	3050	3550	4050	4900
Width (B) [mm]	800	800	800	800	800	800	800
Height (H) [mm]	1960	1960	1960	1960	1960	1960	2060
Welding height (H1) [mm]	1000	1000	1000	1000	1000	1000	1100
Welding length (L1) [mm]	500	1000	1300	1500	2000	2500	3000
Clamping length (L2) [mm]	600	1100	1400	1600	2100	2600	3200
Pipe diameter (D) min. ÷ max. [mm]	80 ÷ 800	80 ÷ 800	80 ÷ 800	120 ÷ 800	190 ÷ 800	200 ÷ 800	250 ÷ 800
Material thickness [mm]	0,5 ÷ 3,0	0,5 ÷ 3,0	0,5 ÷ 1,5	0,5 ÷ 3,0	0,5 ÷ 3,0	0,5 ÷ 3,0	1,0 ÷ 3,0
empty weight [kg]:	1050	1200	1280	1350	1550	1700	1900
total weight [kg]	1350	1500	1580	1700	1950	2100	2400

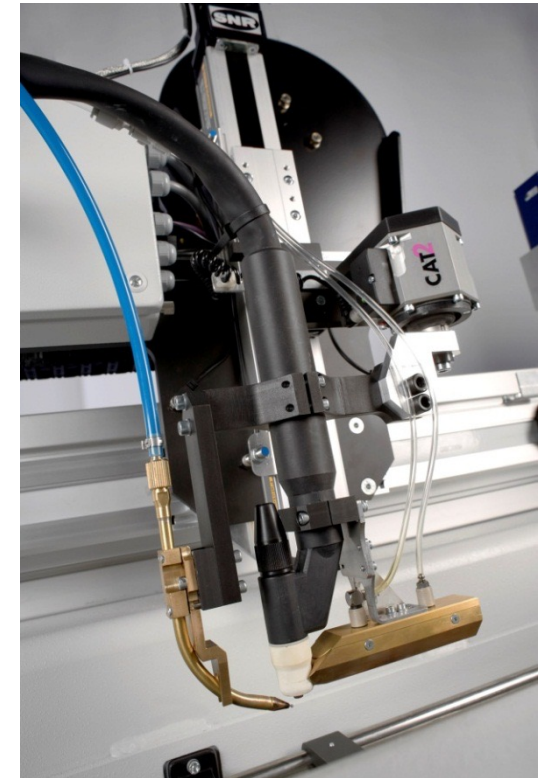
Beam locking (manual or automated)



Clamping bars



Plasma welding torch (PMT 200) with cold wire, tracking gas and collision protection

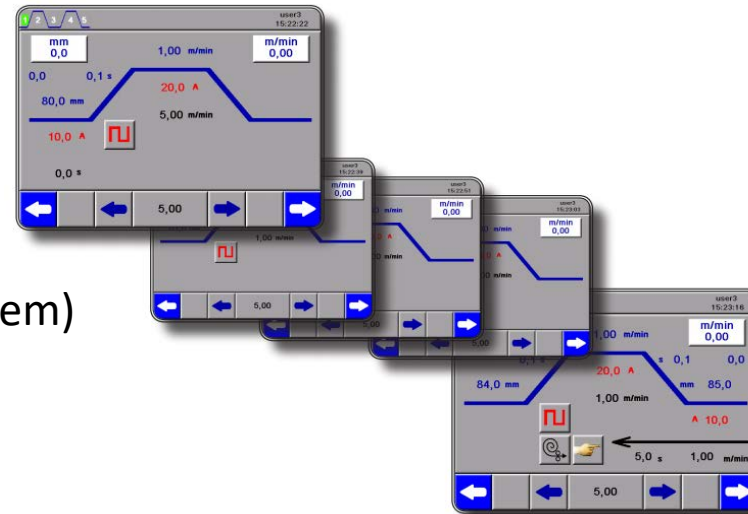


- Welding length: 500 – 3000 mm (+100 mm)
- Material thickness: 0,5 – 3 mm
- Min. internal diameter: 80 – 800 mm
- Alternatively with integrated or external welding power source
- Massive, sophisticated construction assure precise adjustment of the work piece
- Manual or pneumatic cross-beam locking
- Exchangeable copper jaws
- Coolable copper bar with nut and purging gas bores
- Clamping force adjustable via pressure regulator
- Numerous additional options

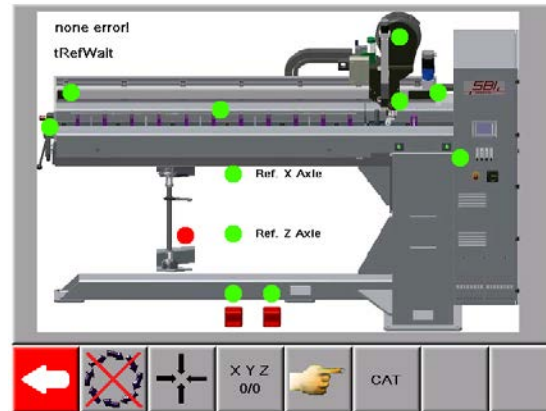




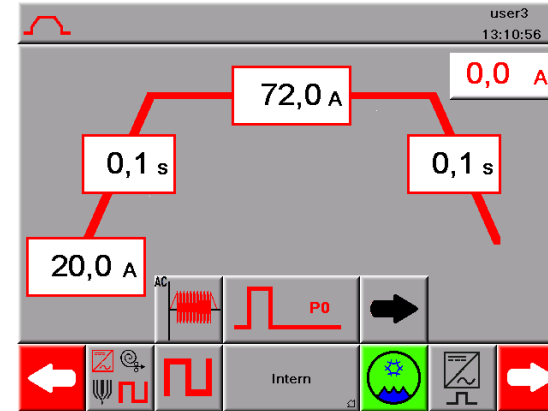
- Integrated or Mobile Touch Panel
- Welding speed: 0,1 – 4m/min
- Multilingual operation with pictograms
- Variable start- and stop position
- Variable welding speed
- Storage of 500 welding jobs
- Data monitoring and record (quality safety system)



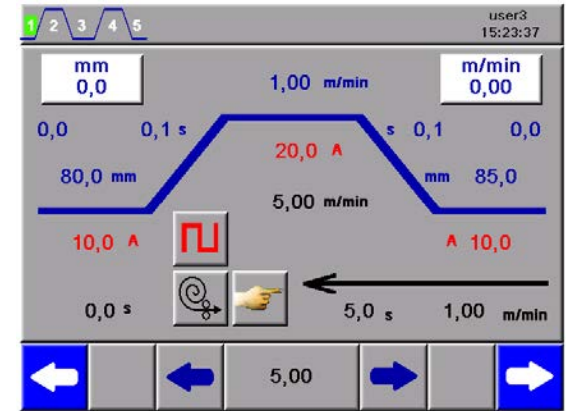
## Referencing the axes



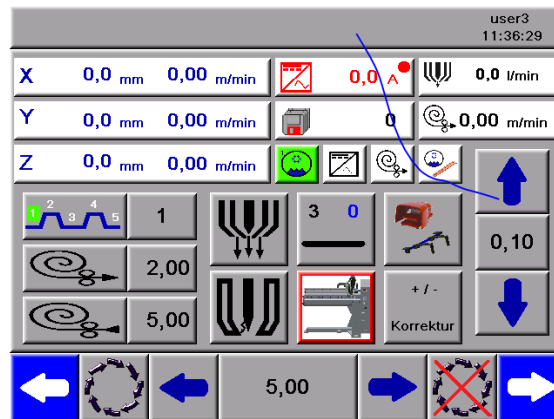
## Welding current



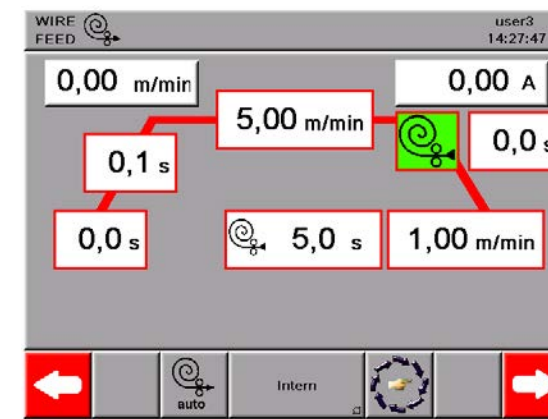
## Welding process



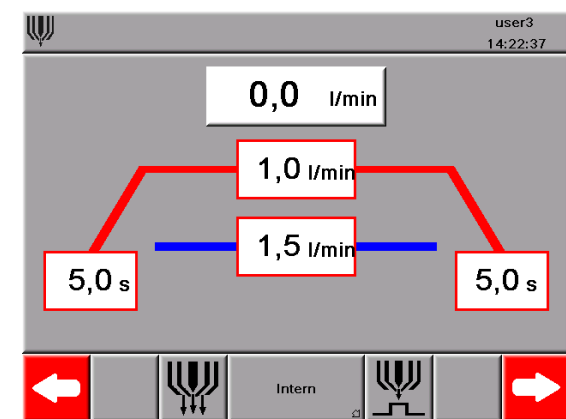
## Clamping bench



## Wire

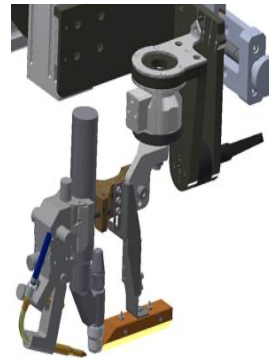
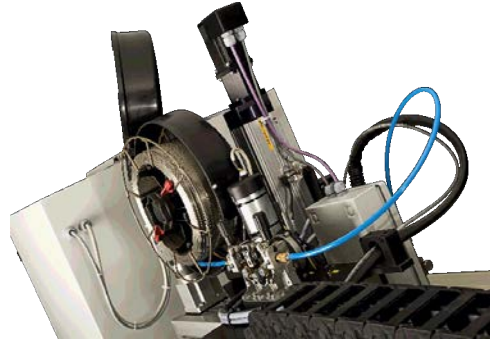


## Plasmagas

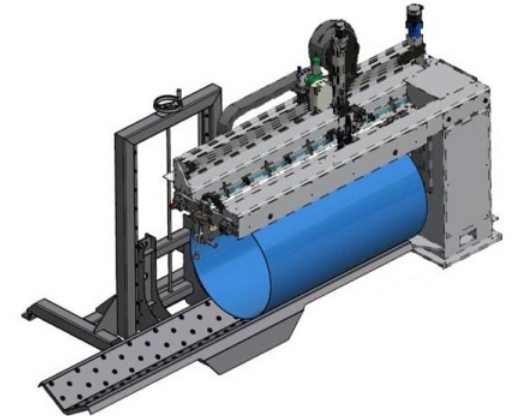
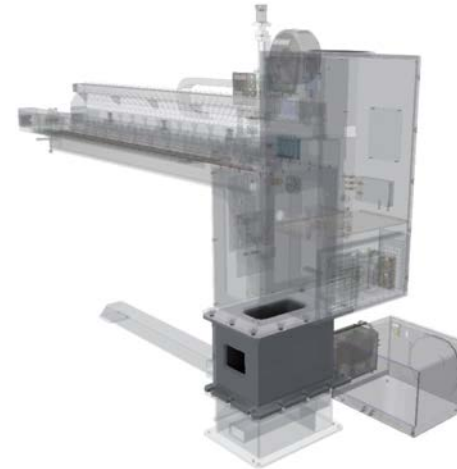
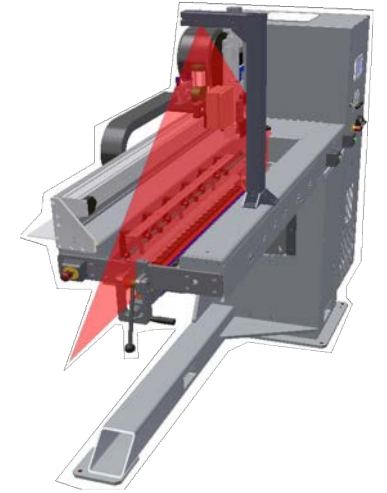




- Remote Control SWD
- Gas regulation
- Chiller
- Watercooled chucks
- Holder for exhaust tube
- Cross axis
- Laser-adjustment
- Cold wire and 4-axis wire guide
- Manual and automated seam tracking



- Max. external diameter 1300/ 1800/ 2300 mm
- Gas drag nozzles
- Automatic cross-beam locking
- ArcCam Basic SWD
- Air condition for control cabinet



Plasmainverter:	250 A
Max. welding current at 35% on-time (40°C):	250 A
Max. welding current at 100% on-time (40°C):	160 A
Adjustment range welding current:	2 - 250 A
Pilotinverter:	RPI 30
Max. pilot current at 35% on-time (40°C):	50 A
Max. pilot current at 100% on-time (40°C):	30 A
Adjustment range pilot current:	0,5 – 50 A
Memory for welding jobs and axis movements:	500
Flowmeter plasma gas	0,1 - 5,0l/min
Flowmeter shielding gas	2,0 - 20l/min
Flowmeter forming bar gas	2,0 - 20l/min



# SBI – SEAM WELDING DEVICE SWD

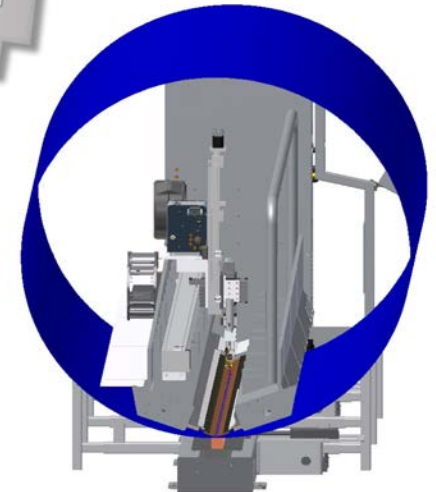
Welding process: AC/DC Plasma  
Welding length: 5.200 mm  
Material: stainless steel, carbon steel, aluminum  
Material thickness: 1,0 ÷ 3,0 mm  
Diameter: 1.800 – 2.550mm  
Clamping: Pneumatic  
Length: 7.477 mm  
Width: 1.510 – 2.300 mm  
Height: 2.157 mm  
Weight: ~ 5.500 kg



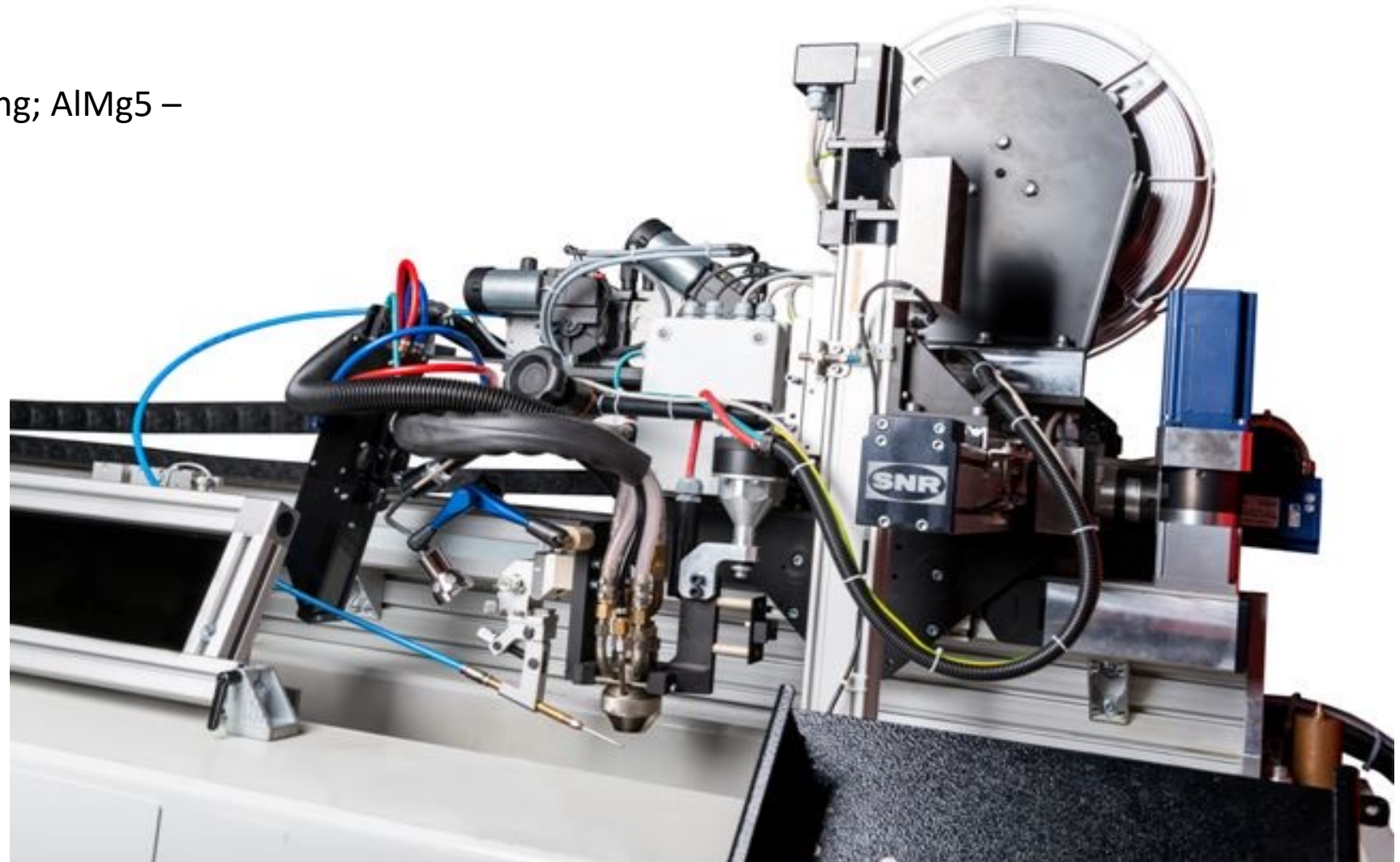


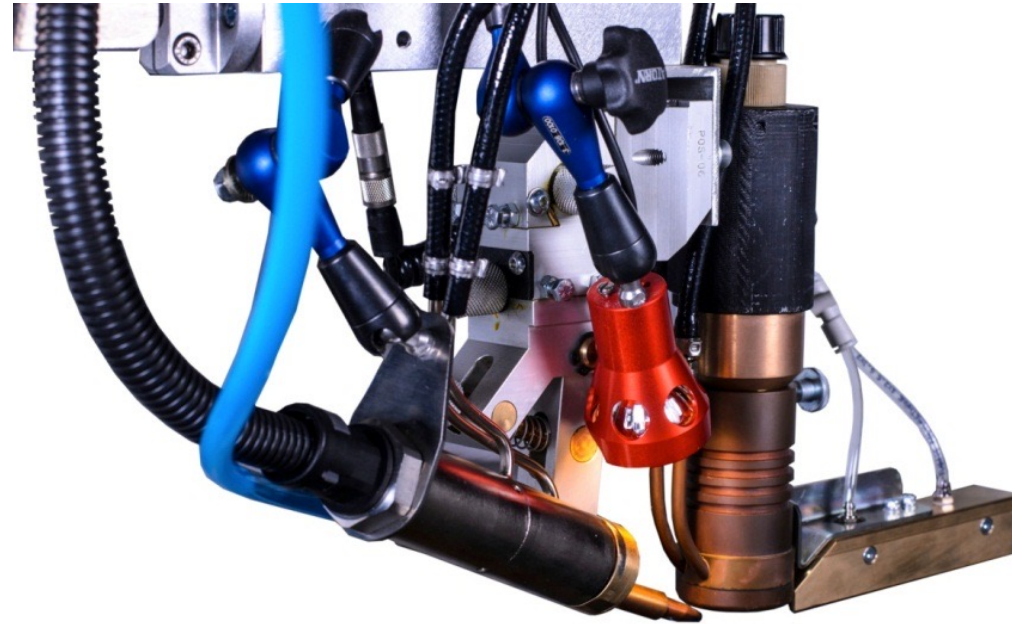
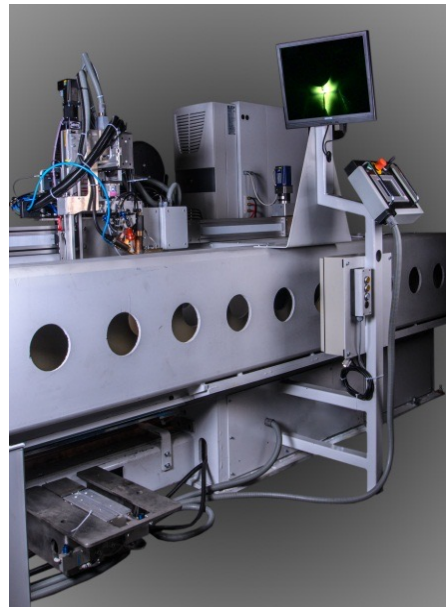
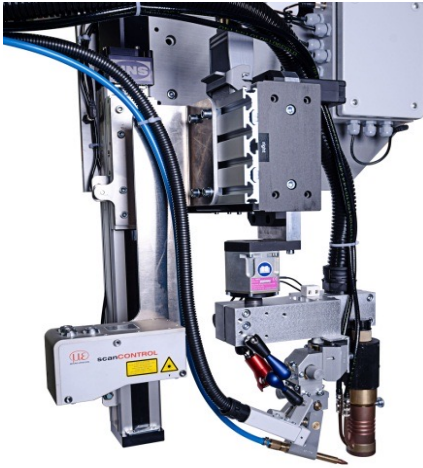
# SBI – SEAM WELDING DEVICE SWD

- Welding process: AC/DC Plasma
- Welding length: 8.200 mm
- Material: stainless steel, carbon steel, aluminum,...
- Material thickness: 3,0 ÷ 8,0 mm
- Diameter 1.800 – 2.550mm
- Clamping: Pneumatic
- Length: 11.456 mm
- Width: 2.054 mm
- Height: 2.252 mm
- Weight: ~ 12.000 kg



Reversed polarity welding; AlMg5 –  
thickness 20.0mm





- Videoinspectionssystem
- Laser or manual seamtracking
- Laser pointer for easy adjustments





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***WE DO IT PLASMA!***