

FCP 2100-2 – 3100-2

/ Linear seam welder Type 2
/ TIG / ArcTIG / Plasma / CMT / MIG/MAG



Linear seam welder for longitudinal welds on cylindrical, conical or flat sheets with a material thickness of 0,5–10 mm and length up to 3100 mm

FEATURES

- / Welding process: TIG, ArcTig, Plasma, CMT, MIG/MAG
- / Carriage with distance measuring system
- / Wire feeder mounted on carriage
- / Pneumatic torch motion
- / Pneumatic clamping system with self adjusting clamp fingers
- / Adjustable pneumatic center stops for parts positioning
- / Copper clamp fingers
- / Backing track fitted with holes for forming gas, prepared for water cooling
- / Mandrel in untreated steel
- / Pneumatic security mandrel latch
- / 3-way foot switch for clamping system and mandrel latch
- / HMI-T5 system controller with 5" touch screen, mounted on carriage

ACCESSORIES & OPTIONS

- / Raised machine body
- / Stepped mandrel
- / Workpiece stopper
- / Clamp finger and backing track in stainless steel
- / AVC / OSC function
- / Laser pointer as centering support
- / LED lamp
- / High performance water cooler for the backing track and torch
- / Clamp system for internal weld
- / Loading trolley
- / Camera system
- / Bigger construction length on demand



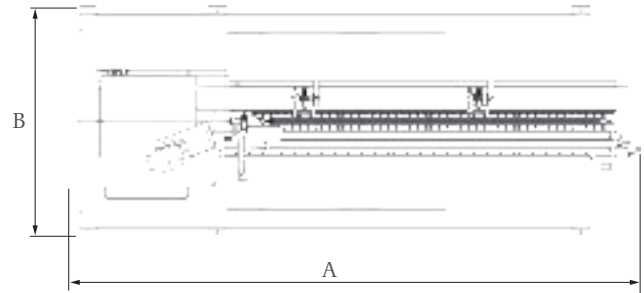
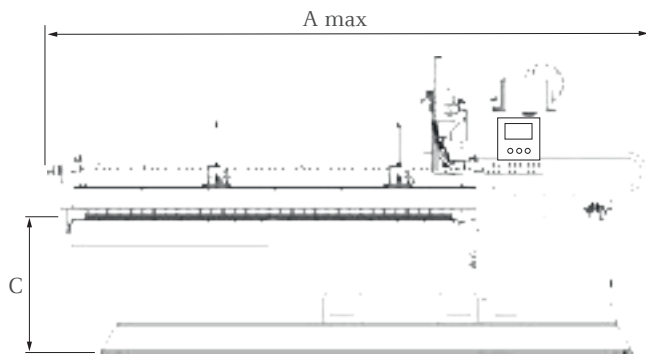
/ Backing track with forming gas holes



/ Adjustable pneumatic center stops



/ Weldhead with AVC/OSC slides, camera



TECHNICAL DATA

	FCP 2100-2	FCP 2600-2	FCP 3100-2
Maximum parts length / welding length	2100 mm	2600 mm	3100 mm
Maximum parts outer diameter		800 mm	
Minimum parts inside diameter (material thickness 0,5 - 3 mm)	165 mm	190 mm	220 mm
Minimum parts inside diameter (material thickness 0,5 - 5 mm)	185 mm	210 mm	245 mm
Minimum parts inside diameter (material thickness 0,5 - 10 mm)	200 mm	225 mm	260 mm
Material thickness Type 2 / 2S	0,5 - 3 mm / 0,5 - 10 mm		
Mains voltage	400 / 230 V / 3 / N / PE 50 Hz		
Compressed air supply	6 - 10 bar		
Environment temperature	+10°C bis +35°C		
DIMENSIONS			
A	4100 mm	4600 mm	5100 mm
A max.	4303 mm	5015 mm	5801 mm
B (width)	1365 mm	1365 mm	1500 mm
C (Mandrel top edge)	1117 mm	1117 mm	1117 mm
Net weight approx.	3300 kg	3600 kg	3900 kg

/ Perfect Welding / Solar Energy / Perfect Charging

THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 5,660 employees worldwide and 1,321 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com

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