



The FUSION 2 in operation during container construction.



Value must be protected ...

Extrusion welder

FUSION 2

This small powerhouse convinces with its ergonomic construction. The simple operation and first-class welding quality have helped it to become the breakthrough product.

- With 17.7 inch the shortest in its performance class!
- The motor start-up protection prevents cold start
- Simple operation
- Both sided twist-free wire intake
- 360° rotating welding shoe
- Integrated electronics for stepless adjustment of the preheating temperature and output quantity

Technical Data


















Voltage	V~	230
Power	W	2800
Material		PE / PP
Air temperature	°F	up to 644
Plastification temperature	°F	up to 572
Welding rod	∅ inch	0.16
Output PE	lbs/h	2.9 – 4.0
Size (L × W × H)	inch	17.7 × 3.9 × 8.9
Weight	lbs	13 (without cord)
Conformity marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		□

Article No.:

119.200 Extrusion welder FUSION 2, 230 V / 2800 W, Euro plug

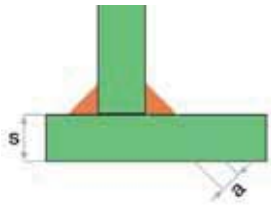
Included in delivery: FUSION 2, raw welding shoe, storage case

Accessories FUSION 2

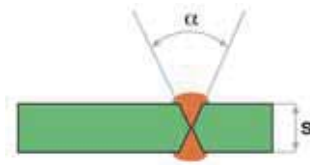
	118.094	Welding shoes complete
	119.214	Blank welding shoe 2.0 × 1.2 × 1.5 inch
	118.888	V-seam 0.2 / 0.24 and X-seam 0.4 / 0.5
	118.889	V-seam 0.3 / 0.4 and X-seam 0.6 / 0.8
	119.202	V-seam 0.5 and X-seam 1.0 inch
	119.203	V-seam 0.6 and X-seam 1.2 inch
	118.887	Fillet weld 0.2 / 0.24 inch (a = 0.17 inch)
	118.885	Fillet weld 0.3 / 0.4 inch (a = 0.28 inch)
	119.139	Fillet weld 0.6 inch (a = 0.4 inch)
	118.890	Overlap 1.0 inch
	119.185	Overlap 1.4 inch
	129.008	Corner, short, 0.8 inch
	129.010	Corner, long, 0.55 inch
	135.082	Air filter
	136.231	Pre-heat reflector
	123.561	Heating element, 230 V / 1750 W
	119.540	Storage case

Possibilities of welding seams

a = seam size s = material thickness α = milling angle

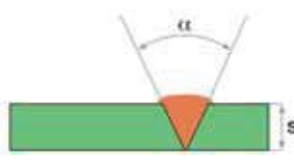


Fillet welding seam



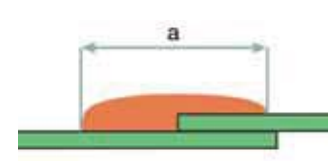
X-seam

s = 0.4 – 1.6 inch = α 60°
s = 2.0 – 2.4 inch = α 50°



V-seam

s = 0.2 – 0.8 inch = α 60°
s = 1.0 – 1.2 inch = α 50°



Overlap seam

Product comparison

Digitally regulated extrusion welders

Air heated extrusion welders

Compact extrusion welder



Device type	WELDPLAST S6	WELDPLAST S4	WELDPLAST S2	FUSION 3	FUSION 3C	FUSION 2	WELDMAX
Output (HDPE) lbs/h	8.6 – 13.2	3.3 – 8.8	1.3 – 5.0	3.5 – 7.7	3.5 – 7.7	2.9 – 4.0	0.7 – 1.8
Material	HD-PE, PP	HD-PE, PP	HD-PE, PP, PVC	HD-PE, PP	HD-PE, PP	HD-PE, PP	HD-PE, PP, PVDF
Wall thickness inch	0.6 – 1.6	0.3 – 1.4	0.16 – 0.8	0.3 – 1.0	0.3 – 1.0	0.24 – 0.6	0.16 – 0.4
Welding rod inch	0.16 / 0.2	0.12 / 0.16	0.12 / 0.16	0.12 / 0.16	0.12 / 0.16	0.16	0.16
Weight lbs	30.9	19	12.8	15.9	15	13	8.4
Length inch	32.3	22	17.7	27	23	17.7	17
Voltage V~	230	230	230	230	230	230	120 / 230
Screw extruder	yes	yes	yes	yes	yes	yes	no
Container construction	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Pipeline construction	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Landfill / civil engineering	✓✓	✓✓	✓	✓✓	✓	○	○
Brushless blower	yes	yes	yes	no	no	no	no
Remarks	1	1	1	2	2	2	1

Remarks

- 1: Air and plast temperatures are shown via a display and can be separately freely adjusted.
- 2: The air temperature is adjusted by means of a potentiometer (rotating button). The heating of the plastic mass is performed by the pre-heating air.

✓✓ = very suitable, ✓ = suitable, ○ = unsuitable

Output extrusion welders in overview

lbs/h

