









Extrusion welder

## WELDPLAST S2



1		Low-noise, high power transmission.
2		360° rotating welding shoe.
3		Material-optimized extruder screw.
4		Maintenance-free blower.
5		Freely adjustable swivel-mounted handgrip.
6		Ergonomic construction.
7		Dual-sided, twist-free wire intake.
8		Multifunctional display.



**Extrusion welder**

**WELDPLAST S2**

The WELDPLAST S2 is a masterpiece of modern technology. While its external appearance fulfils the highest requirements on functionality and design, its interior satisfies the high expectations concerning the material to be processed.

- Maintenance free blower
- Perfect seam quality
- Multifunctional display
- Ergonomic and easy to handle
- Used successfully all over the world

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**Extrusion welder**

**WELDPLAST S2 PVC**

The WELSDPLAST S2 PVC has been especially designed to satisfy the high requirements regarding PVC extrusion welding. Perfect seam quality and integrated corrosion protection make it a reliable partner of today and tomorrow.

- Optimized for PVC-U
- Perfect welding seam quality
- Menu for PVC extrusion
- Corrosion protection
- Standby mode

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**Technical Data**

Voltage	V~	230
Power	W	3000
Material		PE / PP Other materials upon request
Welding rod	inch	Ø 0.12 or Ø 0.16
Output Ø 0.12 inch	lbs/h	PE: 1.3 – 2.9   PP: 1.1 – 2.6
Output Ø 0.16 inch	lbs/h	PE: 2.2 – 5.0   PP: 2.0 – 4.4
Size (L x W x H)	inch	17.7 x 3.9 x 10.2
Weight	lbs	12.8 (without cord)
Conformity marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ

**Article No.:**

- 127.215 Extrusion welder WELDPLAST S2, 230 V / 3000 W, Euro plug
- 136.602 Extrusion welder WELDPLAST S2, 230 V / 3000 W, TPO, Euro plug

Included in delivery: WELDPLAST S2, welding shoe raw part, storage case

**Technical Data**

Voltage	V~	230
Power	W	3000
Material		PVC-U, PE, PP Other materials upon request
Welding rod	inch	Ø 0.12 or Ø 0.16
Output Ø 0.12 inch	lbs/h	PVC-U: 2.0 – 3.7   PE: 1.3 – 2.9
Output Ø 0.16 inch	lbs/h	PVC-U: 3.3 – 6.0   PE: 2.2 – 5.0
Size (L x W x H)	inch	17.7 x 3.9 x 10.2
Weight	lbs	12.8 (without cord)
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ

**Article No.:**

- 135.724 Extrusion welder WELDPLAST S2 PVC, 230 V / 3000 W, Euro plug

Included in delivery: WELDPLAST S2 PVC, welding shoe raw part, 3 pre-heating nozzles, storage case



The 45° angled adapter for the WELDPLAST S2 facilitates welding in difficult positions. (accessory)



The handy WELDPLAST S2 in action.

## Accessories WELDPLAST S2

	<b>118.094</b>	<b>Welding shoes complete</b> Blank welding shoe 2.0 x 1.2 x 1.5 inch
	<b>119.214</b>	Blank welding shoe 2.8 x 2.0 x 1.9 inch
	<b>118.888</b>	V-seam 0.2 / 0.24 and X-seam 0.4 / 0.5
	<b>118.889</b>	V-seam 0.3 / 0.4 and X-seam 0.6 / 0.8
	<b>119.202</b>	V-seam 0.5 and X-seam 1.0 inch
	<b>119.203</b>	V-seam 0.6 and X-seam 1.2 inch
	<b>119.204</b>	V-seam 0.8 and X-seam 1.4 / 1.6 inch
	<b>118.887</b>	Fillet weld 0.2 / 0.24 inch (a = 0.17 inch)
	<b>118.885</b>	Fillet weld 0.3 / 0.4 inch (a = 0.28 inch)
	<b>119.139</b>	Fillet weld 0.6 inch (a = 0.4 inch)
	<b>119.140</b>	Fillet weld 0.8 inch (a = 0.55 inch)
	<b>129.008</b>	Corner, short, 0.8 inch
	<b>129.010</b>	Corner, long, 0.55 inch
	<b>139.460</b>	Angled adapter 45°
	<b>139.461</b>	Angled adapter 90°

## Accessories WELDPLAST S2 PVC

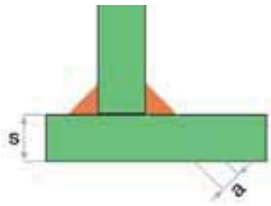
	<b>119.217</b>	<b>Welding shoes complete</b> Blank welding shoe 2.0 x 1.6 x 1.5 inch
	<b>119.193</b>	V-seam 0.2 / 0.24 and X-seam 0.4 / 0.47
	<b>119.194</b>	V-seam 0.3 / 0.4 and X-seam 0.6 / 0.8
	<b>119.195</b>	V-seam 0.47 and X-seam 1.0 inch
	<b>119.196</b>	V-seam 0.6 and X-seam 1.2 inch
	<b>119.159</b>	Fillet weld 0.2 / 0.24 inch (a = 0.17 inch)
	<b>119.161</b>	Fillet weld 0.3 / 0.4 inch (a = 0.28 inch)
	<b>119.163</b>	Fillet weld 0.6 inch (a = 0.4 inch)
	<b>119.164</b>	Fillet weld 0.8 inch (a = 0.55 inch)
	<b>129.009</b>	Corner, short, 0.8 inch
	<b>129.011</b>	Corner, long, 0.55 inch
	<b>133.850</b>	Top hot air guide

## Accessories WELDPLAST S2 / WELDPLAST S2 PVC

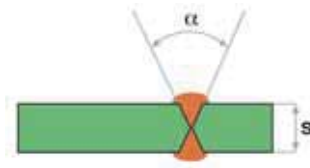
	<b>131.451</b>	Tool rest
	<b>136.231</b>	Pre-heat reflector
	<b>134.361</b>	Air filter set (included in delivery)
	<b>109.984</b>	Heating element, 230 V / 2200 W
	<b>119.540</b>	Storage case

## Possibilities of welding seams

a = seam size s = material thickness  $\alpha$  = milling angle

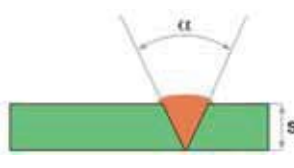


Fillet welding seam



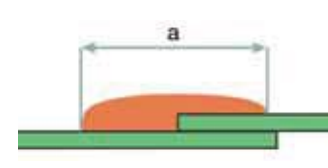
X-seam

s = 0.4 – 1.6 inch =  $\alpha$  60°  
s = 2.0 – 2.4 inch =  $\alpha$  50°



V-seam

s = 0.2 – 0.8 inch =  $\alpha$  60°  
s = 1.0 – 1.2 inch =  $\alpha$  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

