



**LEISTER**

PLASTIC WELDING

***F. Jannone AG***  
Offizieller Vertriebspartner

Swiss  
made 



Air purification system, Spain. Material: HD-PE



The Wave House, San Diego. Material: PVC



Electroplating tank, Turkey. Material: PP

## Plastic Fabrication

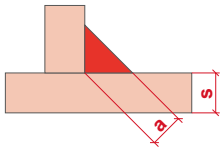
Overview of hand extruders	94
FUSION 1	96 / 97
WELDPLAST S6	98
WELDPLAST S4	99
WELDPLAST S2 / S2 PVC	100 / 101
WELDPLAST 1	102
FUSION 3 / 3C	103 / 104
FUSION 2	105
WELDPLAST200-i / 600-i	106 / 107
General accessories hand extruders	108
Welding rods	109

## Hot-Air Hand Tools

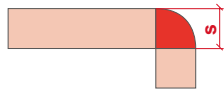
TRIAC ST	12 – 15
TRIAC AT	13 – 15
HOT JET S	18 / 19
AIRSTREAM ST	28 / 29
ROBUST	30
WELDING PEN R / WELDING PEN S	31
DIODE PID / DIODE S	32 / 33
MINOR	33
LABOR S	34
General accessories	36 / 37

## Possibilities of welding seams

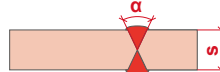
a = seam size s = material thickness α = milling angle



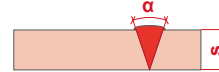
Fillet welding seam



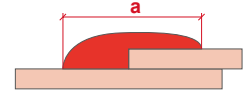
Corner outside seam



X-seam  
s = 10 – 40 mm = α 60°  
s = 50 – 60 mm = α 50°












V-seam  
s = 5 – 20 mm = α 60°  
s = 25 – 30 mm = α 50°



Overlap seam

## Product comparison

	Digitally regulated extrusion welders				Air heated extrusion welders			
								
Device type	WELDPLAST S6	WELDPLAST S4	WELDPLAST S2	WELDPLAST S1	FUSION 3	FUSION 3C	FUSION 2	FUSION 1
Output (HDPE) kg/hr	3.9 – 6	1.5 – 4	0.6 – 2.3	0.2 – 0.8	1.8 – 3.6	1.8 – 3.6	1.3 – 1.8	0.2 – 0.8
Material	HD-PE, PP	HD-PE, PP	HD-PE, PP, PVC	PE, PP, PVC, etc.	HD-PE, PP	HD-PE, PP	HD-PE, PP	PE, PP
Wall thickness mm	15 – 40	8 – 35	4 – 20	4 – 10	8 – 25	8 – 25	6 – 15	4 – 10
Welding rod Ø mm	4 – 5	3 – 4 / 4 – 5	3 – 4	3 – 4	3 – 4 / 4 – 5	3 – 4 / 4 – 5	4	3 – 4
Weight kg	14	8.7	5.8	4.7	7.2	6.9	5.9	3.4
Length mm	821	560	450	435	690	588	450	435
Voltage V~	230	230	230	230 / 120	230	230	230	230
Screw extruder	yes	yes	yes	yes	yes	yes	yes	yes
Container construction	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Pipeline construction	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Landfills / civil engineering	✓✓	✓✓	✓	○	✓✓	✓	○	○
Brushless blower	yes	yes	yes	yes	no	no	no	no
Remarks	1	1	1	1	2	2	2	3
Catalog page	 98	99	100 / 101	102	103 / 104	103 / 104	105	96 / 97

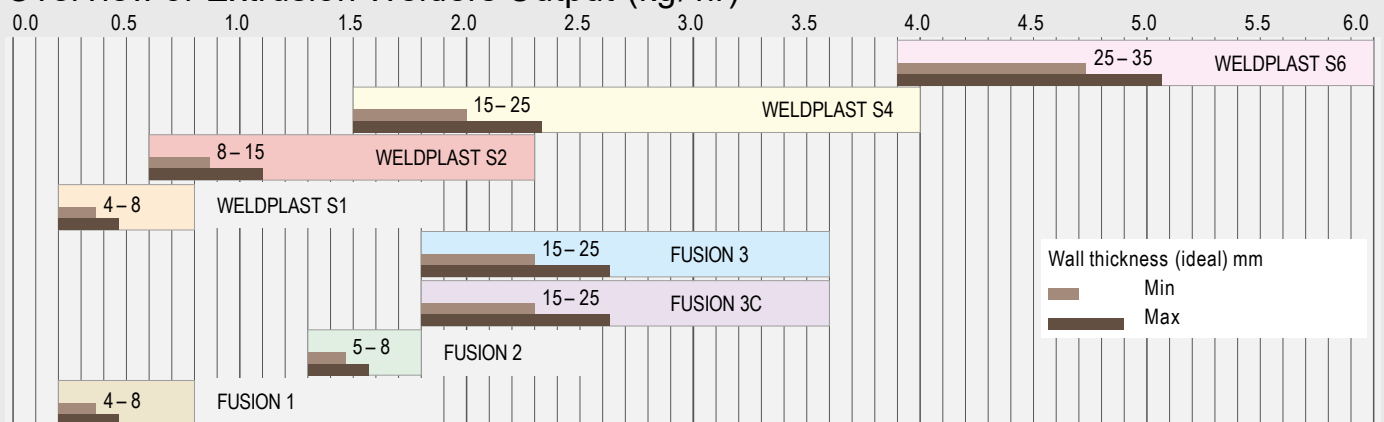
✓✓ very suitable ✓ suitable ○ unsuitable

1: Air and Plast temperatures electronically controlled with integrated display.

2: Hot air heated extruder temperature controlled manually.

3: Warm air heated extruder, air temperature electronically controlled with integrated display.

## Overview of Extrusion Welders Output (kg/hr)







# Ingeniously simple – FUSION 1

Your satisfaction is our goal. Which is why we are developing welding devices to meet your requests and requirements. And with the usual LEISTERquality, of course. The reduced design of the FUSION 1 offers increased maneuverability when welding. Flexibility guarantees an optimally mountable handle. Ingeniously simple extrusion welding – FUSION 1.

Digitally regulated extrusion welder

## FUSION 1

1		Rod shape: Reduced design for increased maneuverability in small spaces
2		Double-sided wire intake: For more flexibility when welding
3		LED light: To illuminate the welding area
4		Handle: Can be mounted for one-handed welding





FUSION 1 – More flexibility during welding thanks to its slim design.

Digitally regulated extrusion welder

## FUSION 1



- Controlled: Automatically controlled air temperature
- Suspension device: Effortlessly weld longer by hanging up the device
- Compact and slimline: Thanks to integrated air guide

### Technical data

Voltage	V~	230
Power	W	1200
Materials		PE, PP
Welding rod Ø	mm	3 – 4
Output Ø 3 HD-PE	kg/ h	0.2 – 0.5
Output Ø 4 HD-PE	kg/ h	0.3 – 0.8
Size(L × B × H)	mm	435 × 92 × 133 (236 with handle)
Weight	kg	3.4
Conformity marking		CE
Protection class II		□

### Article No.:

- 162.799 FUSION1, 120 V / 1450 W, US-plug  
 162.800 FUSION1, 230 V / 1200 W, Euro-plug  
 163.165 FUSION1, 230 V / 1200 W, Industrial CEE-plug

Included with purchase: FUSION1, case, welding shoe, Allen key, quick guide, handle

## Accessories FUSION 1

	163.793 Welding shoe CL14 IA
	163.778 Welding shoe K5/6 IA
	163.780 Welding shoe K8/10 IA
	163.779 Welding shoe K12 IA
	163.782 Angled welding shoe AK-10 70°
	163.784 Angled welding shoe AK-10 30°
	163.785 Angled welding shoe AV-10 30°
	163.786 Welding shoe Rohling IA
	162.665 Insulation sleeve

# WELDPLAST S6: The workhorse

WELDPLAST S6 is the world's highest rated handheld extrusion welder. With an output of 6 kg/hr, it is surprisingly maneuverable. It features a brushless, preheat motor, multifunction display and comfortable ergo-grip – making the S6 Leister's flagship extrusion welder.



The WELDPLAST S6 is guided easily with the practical control wheel grip.

Digitally regulated extrusion welder

## WELDPLAST S6



- 6 kg output per hour
- Highest possible preheating capacity
- Adjustable control wheel
- Maintenance-free hot-air blower
- Multifunctional display

### Technical Data








Voltage	V~	230
Power	W	4600
Material		PE / PP
Welding rod	mm	Ø 4 or Ø 5
Output	kg / h	3.9 – 6.0
Size (L x W x H)	mm	821 x 116 x 240
Weight	kg	14
Conformity mark		CE
Protection class I		⊕

### Article No.:

134.318 WELDPLASTS6, 230 V / 4600 W, Industrial CEE-plug 32A

Included with purchase: WELDPLAST S6, overlap welding shoe, storage case

## Accessories WELDPLAST S6

		146.239	Welding shoe complete
		146.240	54 × 40 × 52 mm blank welding shoe
		146.241	25 mm overlap
		146.706	30 mm overlap
		146.242	35 mm overlap
		145.899	40 mm overlap
		146.245	20 mm V-seam
		146.246	25 mm V-seam
		146.247	30 mm V-seam
		146.232	20 mm fillet weld seam (a = 14 mm*)
		146.233	25 mm fillet weld seam (a = 17.5 mm*)
		146.234	30 mm fillet weld seam (a = 21 mm*)
		146.644	Corner outside seam 10 mm
		146.646	Corner outside seam 12 mm
		146.652	Corner outside seam 15 mm
		146.230	Corner seam Ø 14 mm
		146.218	Corner seam Ø 20 mm
		*a = Welding seam thickness	
		117.055	35 mm preheating nozzle, large
		136.859	50 mm preheat nozzle, XL Large
		117.790	Side hot-air guide
		149.744	Insulation sleeve WELDPLAST S6

General accessories





# WELDPLAST S4: The workmate

The WELDPLAST S4 is the first extruder of its kind with a brushless, maintenance-free motor for generating pre-heated air. Output of up to four kilograms per hour is made possible thanks to the S4's powerful drive system.




The powerful WELDPLAST S4 in use.

Digitally regulated extrusion welder

## WELDPLAST S4



- Compact housing design reduces noise and guarantees optimal cooling for the electronics and drive.
- Microprocessor regulates the welding process and monitors the tool
- Menu with function programs
- Dual-sided, twist-free wire intake
- Maintenance-free blower

Technical Data		
Voltage	V~	230
Power	W	3680
Material		PE / PP
Welding rod	mm	Ø 3 – 4 / Ø 4 – 5 mm
Output	kg/ h	1.5 – 4.0
Size(L × W × H)	mm	560 × 110 × 300
Weight	kg	8.7
Conformity mark		CE
Protection class I		
Article No.:		
116.948	WELDPLASTS4, 230 V / 3680 W, 3 – 4 mm, Europlug, blank welding shoe	
146.813	WELDPLASTS4, 230 V / 3680 W, 4 – 5 mm, Europlug, welding shoe K 15	
Included with purchase: WELDPLASTS4, preheat nozzle large, medium and small, storage case		

## Accessories WELDPLAST S4

		146.239	Welding shoe complete
		146.240	54 × 40 × 52 mm blank welding shoe
		146.241	25 mm overlap
		146.706	35 mm overlap
		146.242	35 mm overlap
		145.899	40 mm overlap
		146.243	12 mm V-seam
		146.244	15 mm V-seam
		146.245	20 mm V-seam
		146.246	25 mm V-seam
		146.247	30 mm V-seam
		146.525	12 mm fillet weld seam (a = 8.5 mm*)
		146.231	15 mm fillet weld seam (a = 10 mm*)
		146.232	20 mm fillet weld seam (a = 14 mm*)
		146.233	25 mm fillet weld seam (a = 17.5 mm*)
		146.234	30 mm fillet weld seam (a = 21 mm*)
		146.642	Corner outside seam 8 mm
		146.644	Corner outside seam 10 mm
		146.646	Corner outside seam 12 mm
		146.652	Corner outside seam 15 mm
		146.230	Corner seam Ø 14 mm
		146.218	Corner seam Ø 20 mm
		* a = Welding seam thickness	
		144.904	Angled adapter 45°
		145.704	Angled adapter 90°
		Caution: You must use welding shoes with an integrated air guide for this.	
		117.064	Side hot-air guide
		117.065	Top hot-air guide
		117.053	Preheat nozzle
		117.518	20 mm, small
		141.177	25 mm, medium
		149.723	Insulation sleeve WELDPLAST S4

Plastic Fabrication



# WELDPLAST S2 / S2 PVC: The masterpieces

WELDPLAST S2 and S2 PVC are masterpieces of modern technology. While externally they fulfill the highest requirements of functionality and design, their interior satisfies the highest expectations concerning the material to be processed. The WELSDPLASTS2 PVC has integrated corrosion protection and has been especially designed to satisfy the high requirements of PVC extrusion welding. Their perfect seam quality makes both – WELDPLAST S2 and S2 PVC – reliable partners for today and tomorrow.

Digitally regulated extrusion welder

## WELDPLAST S2



- Maintenance-free blower
- Perfect weld seam quality
- Multifunctional display
- Ergonomic and handy
- Successfully operated worldwide

### Technical Data

Voltage	V~	230
Power	W	3000
Material		PE / PP Other materials on request
Welding rod	mm	Ø 3 oder Ø 4
Output Ø 3 mm	kg / h	PE: 0.6 – 1.3   PP: 0.5 – 1.2
Output Ø 4 mm	kg / h	PE: 1.0 – 2.0   PP: 0.9 – 2.0
Size (L x W x H)	mm	450 x 98 x 260
Weight	kg	5.8
Conformity mark		CE
Protection class I		⊕

### Article No.:

127.215 WELDPLASTS2, 230 V / 3000 W, Europlug  
 156.131 WELDPLASTS2, 230 V / 3000 W, Industrial CEE-plug  
 Included with purchase: WELDPLASTS2, welding shoe raw part, storage case

Digitally regulated extrusion welder

## WELDPLAST S2 PVC



- Optimized for PVC-U
- Perfect weld seam quality
- PVC specific extrusion menu
- Corrosion protection
- Standby mode

### Technical Data

Voltage	V~	230
Power	W	3000
Material		PVC-U, PE, PP Other materials on request
Welding rod	mm	Ø 3 oder Ø 4
Output Ø 3 mm	kg / h	PVC-U: 0.9 – 1.7   PE: 0.6 – 1.3
Output Ø 4 mm	kg / h	PVC-U: 1.5 – 2.7   PE: 1.0 – 2.3
Size (L x W x H)	mm	450 x 98 x 260
Weight	kg	5.8
Conformity mark		CE
Protection class I		⊕

### Article No.:

135.724 WELDPLASTS2 PVC, 230 V / 3000 W, Europlug  
 156.804 WELDPLASTS2 PVC, 230 V / 3000 W, Industrial CEE-plug

Included with purchase: WELDPLASTS2 PVC, 3 preheating nozzles,  
 welding shoe K 8 / 10 mm (Art. no. 146.236), storage case


















The handy WELDPLAST S2 in action.



Easy welding of contours.
















## Accessories WELDPLAST S2

		145.945	45 x 30 x 54 mm blank welding shoe
		145.946	74 x 50 x 58 mm blank welding shoe
		145.896	25 mm overlap
		145.947	30 mm overlap
		145.897	35 mm overlap
		145.912	5 / 6 mm V-seam
		145.915	8 / 10 mm V-seam
		145.907	12 mm V-seam
		145.903	15 mm V-seam
		145.909	20 mm V-seam
		145.916	25 mm V-seam
		145.943	5 / 6 mm fillet weld (a = 4.2 mm*)
		145.944	8 / 10 mm fillet weld (a = 7 mm*)
		145.815	12 mm fillet weld (a = 8.5 mm*)
		145.812	15 mm fillet weld (a = 10 mm*)
		145.940	20 mm fillet weld (a = 14 mm*)
		145.816	25 mm fillet weld (a = 17.5 mm*)
		146.643	Corner outside seam 8 mm
		146.645	Corner outside seam 10 mm
		146.649	Corner outside seam 12 mm
		146.651	Corner outside seam 15 mm
		145.811	Corner seam $\varnothing$ 14 mm
		145.488	Corner seam $\varnothing$ 20 mm
* a = Welding seam thickness			
		139.460	45° angled adapter
		139.461	90° angled adapter
		154.002	Insulation sleeve WELDPLAST S2
		161.119	Support clamp WELDPLAST S2



With the WELDPLAST S2 perfect welds are possible

## Accessories WELDPLAST S2 PVC

		146.239	54 x 40 x 52 mm blank welding shoe
		146.240	74 x 50 x 58 mm blank welding shoe
		146.241	25 mm overlap
		146.706	30mm overlap
		146.242	35 mm overlap
		146.248	5 / 6 mm V-seam
		146.249	8 / 10 mm V-seam
		146.243	12 mm V-seam
		146.244	15 mm V-seam
		146.235	5/6 mm fillet weld seam (a = 4.2 mm*)
		146.236	8/10 mm fillet weld seam (a = 7 mm*)
		146.525	12 mm fillet weld seam (a = 8.5 mm*)
		146.231	15 mm fillet weld seam (a = 10 mm*)
		146.642	Corner outside seam 8 mm
		146.644	Corner outside seam 10 mm
		146.646	Corner outside seam 12 mm
		146.652	Corner outside seam 15 mm
		146.230	Corner seam $\varnothing$ 14 mm
		146.218	Corner seam $\varnothing$ 20 mm
		* a = Welding seam thickness	
		133.850	Top hot-air guide



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

General accessories



# WELDPLAST S1: Outstandingly compact

With the new WELDPLAST S1 compact extruder, you can achieve perfect seam quality



Unattainable is weldable with the new 45° and 90° angled adapters.

Digitally regulated extrusion welder

## WELDPLAST S1



- Functional, ergonomic design with comfort grip areas
- Extremely high output power of 0.8 kg/h (HD-PE)
- Integrated LED lighting and hanging point
- Can work with all typical kinds of plastic
- Multifunction panel with predefined welding parameters
- BL blower, adjustable air volume

### Technical Data

Voltage	V~	230 / 120 / 100
Power	W	1600 / 1800 / 1500
Material		HD-PE, LD-PE, PP, PVC-U PVC-C, PVDF, ECTFE, PA
Welding rod	mm	Ø 3 – 4
Output	kg/ h	0.2 – 0.8 (PVCup to 1.15 kg/h)
Size(L × W × H)	mm	435 × 91 × 264
Integrated welding profiles		HD-PE, PP, PVC-U, PVC-C, PVDF 10 free profile storage spaces
Weight	kg	4.7
Conformity mark		CE
Protection class I		⊕

### Article No.:

148.396	WELDPLASTS1, 230 V / 1600 W, Ø 3 – 4 mm, Euro plug
148.395	WELDPLASTS1, 120 V / 1800 W, Ø 3 – 4 mm, without plug
148.394	WELDPLASTS1, 100 V / 1500 W, Ø 3 – 4 mm, Euro plug

Included with purchase: WELDPLASTS1, quick guide, 4 pre-heating nozzles Ø 14 mm, welding shoe K10, storage case

## Accessories WELDPLAST S1

	149.430	Welding shoe complete Blank
	149.402	Fillet weld 5/ 6
	148.627	Fillet weld 8/ 10
	149.401	Fillet weld 12
	149.388	V-seam 3 / 4
	149.383	V-seam 5 / 6
	149.385	V-seam 8 / 10
	149.364	Corner For additional welding shoes, see Weldplast S2 PVC
	152.720	Nozzle extension
	153.143	Angled adapter 45°
	153.236	Angled adapter 90°
	149.600	Top hot-air guide
	149.456	Hot-air tube, position 6h Ø 14 mm
	149.461	Hot-air tube, position 6h Ø 16 mm
	149.467	Hot-air tube, position 9h/3h Ø 14 mm (standard)
	149.469	Hot-air tube, position 9h/3h Ø 16 mm
	154.107	Air nozzle set Ø 14 mm (standard)
	154.106	Air nozzle set Ø 16 mm
	154.002	Insulation sleeve WELDPLASTS1/S2

General accessories





# FUSION 3: Long and slim

With its long and narrow shape, the FUSION 3 enables comfortable work, even on the floor.

Air heated extrusion welder

## FUSION 3



- High-quality welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Simple operation
- Dual-sided twist-free wire intake
- 360° rotating welding shoe

Technical Data		Version Ø 3 – 4		Version Ø 4 – 5	
Welding rod Ø	mm	3	4	4	5
Output PE	kg / h	2.0 – 2.5	2.7 – 3.6	2.1 – 2.6	2.7 – 3.6
Output PP	kg / h	1.8 – 2.3	2.5 – 3.4	1.8 – 2.4	2.5 – 3.4
Voltage	V~	230			
Power	W	3500			
Material		PE / PP			
Size (L x W x H)	mm	670 x 90 x 180			
Weight	kg	7.2			
Conformity mark		CE			
Protection class II		□			

Article No.:  
118.300 FUSION3, 230 V / 3500 W, welding rod Ø 3 – 4 mm, Euro plug  
144.615 FUSION3, 230 V / 3500 W, welding rod Ø 4 – 5 mm, Euro plug

Included with purchase: FUSION3, welding shoe overlap 30 mm, storage case

# FUSION 3C: Short and handy

The somewhat shorter FUSION 3C provides an astounding output volume of up to 3.6 kilograms per hour.

Air heated extrusion welder

## FUSION 3C



- High-quality welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Simple operation
- Dual-sided, twist-free wire intake
- 360° rotating welding shoe

Technical Data		Version Ø 3 – 4		Version Ø 4 – 5	
Welding rod Ø	mm	3	4	4	5
Output PE	kg / h	2.0 – 2.5	2.7 – 3.6	2.1 – 2.6	2.7 – 3.6
Output PP	kg / h	1.8 – 2.3	2.5 – 3.4	1.8 – 2.4	2.5 – 3.4
Voltage	V~	230			
Power	W	3200			
Material		PE / PP			
Size (L x W x H)	mm	588 x 98 x 225			
Weight	kg	6.9			
Conformity mark		CE			
Protection class II		□			

Article No.:  
123.866 FUSION3C, 230 V / 3200 W, welding rod Ø 3 – 4 mm, Euro plug  
144.826 FUSION3C, 230 V / 3200 W, welding rod Ø 4 – 5 mm, Euro plug

Included with purchase: FUSION3C, blank welding shoe, storage case




















Perfectly stored in the case.



FUSION 3C during the welding of a V-seam.

## Accessories FUSION 3 / 3C

		Welding shoe complete
		145.945 45 x 30 x 54 mm blank welding shoe
		145.896 25 mm overlap
		145.947 30 mm overlap
		145.897 35 mm overlap
		145.912 5 / 6 V-seam
		145.915 8 / 10 mm V-seam
		145.907 12 mm V-seam
		145.903 15 mm V-seam
		145.909 20 mm V-seam
		145.916 25 mm V-seam
		145.943 5 / 6 mm fillet weld (a = 4.2 mm*)
		145.944 8 / 10 mm fillet weld (a = 7 mm*)
		145.815 12 mm fillet weld (a = 8.5 mm*)
		145.812 15 mm fillet weld (a = 10 mm*)
		145.940 20 mm fillet weld (a = 14 mm*)
		145.816 25 mm fillet weld (a = 17.5 mm*)
		146.643 Corner outside seam 8 mm
		146.645 Corner outside seam 10 mm
		146.649 Corner outside seam 12 mm
		146.651 Corner outside seam 15 mm
		145.811 Corner seam $\varnothing$ 14 mm
		145.488 Corner seam $\varnothing$ 20 mm
		* a = Welding seam thickness
		148.817 45° angled adapter
		148.816 90° angled adapter
		149.421 Insulation sleeve FUSION 3
		149.420 Insulation sleeve FUSION 3C

The insulation sleeve protects the machine from heat loss, as well as protects the operator from direct contact with the extruder.



# FUSION 2: The small powerhouse

The FUSION 2 convinces with its ergonomic design. The simple operation and first-class welding quality have helped it to become the breakthrough product.



In operation during container construction in China.

Air heated extrusion welder

## FUSION 2



- At 450 mm, it is the shortest in its performance class!
- Motor start-up protection prevents cold start
- Simple operation
- Dual-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 / 120
Power	W	2800
Material		PE/ PP
Air temperature	°C	up to 340
Plastification temperature	°C	up to 300
Welding rod	mm	Ø 4
Output PE	kg/ h	1.3 – 1.8
Size (L x W x H)	mm	450 x 98 x 225
Weight	kg	5.9
Conformity mark		CE
Protection class II		□

### Artikel-Nr.

119.200	FUSION2, 230 V / 2800 W, Europlug
150.102	FUSION2, 120 V / 2800 W, CEEplug

Included with purchase: FUSION2, blank welding shoe, storage case

## Accessories FUSION2

		Welding shoe complete
		45 × 30 × 54 mm blank welding shoe
		145.945 74 × 50 × 58 mm blank welding shoe
		145.896 25 mm overlap
		145.947 30 mm overlap
		145.897 35 mm overlap
		145.912 5 / 6 V-seam
		145.915 8 / 10 mm V-seam
		145.907 12 mm V-seam
		145.903 15 mm V-seam
		145.943 5 / 6 mm fillet weld (a = 4.2 mm*)
		145.944 8 / 10 mm fillet weld (a = 7 mm*)
		145.815 12 mm fillet weld (a = 8.5 mm*)
		145.812 15 mm fillet weld (a = 10 mm*)
		146.643 Corner outside seam 8 mm
		146.645 Corner outside seam 10 mm
		146.649 Corner outside seam 12 mm
		146.651 Corner outside seam 15 mm
		145.811 Corner seam Ø 14 mm
		145.488 Corner seam Ø 20 mm
		* a = Welding seam thickness
		147.602 45° angled adapter
		147.601 90° angled adapter
		166.524 Insulation sleeve FUSION 2



## Automated, modular, customized – WELDPLAST200-i / 600-i

LEISTER offers you two modules for automated extrusion welding and 3D printing. WELDPLAST200-i and 600-i are set up to allow both simple and fully automated expansion and can be mounted on robots or integrated into machines. This modular design allows you to bring your projects to fruition without making any compromises.

Built-in extruder module

### WELDPLAST200-i / 600-i



**Customized**  
Depending on requirements – choose between extruder modules which can be extended to meet specific needs



**Modular**  
Select an extruder module and simply add the relevant hot air and communication components

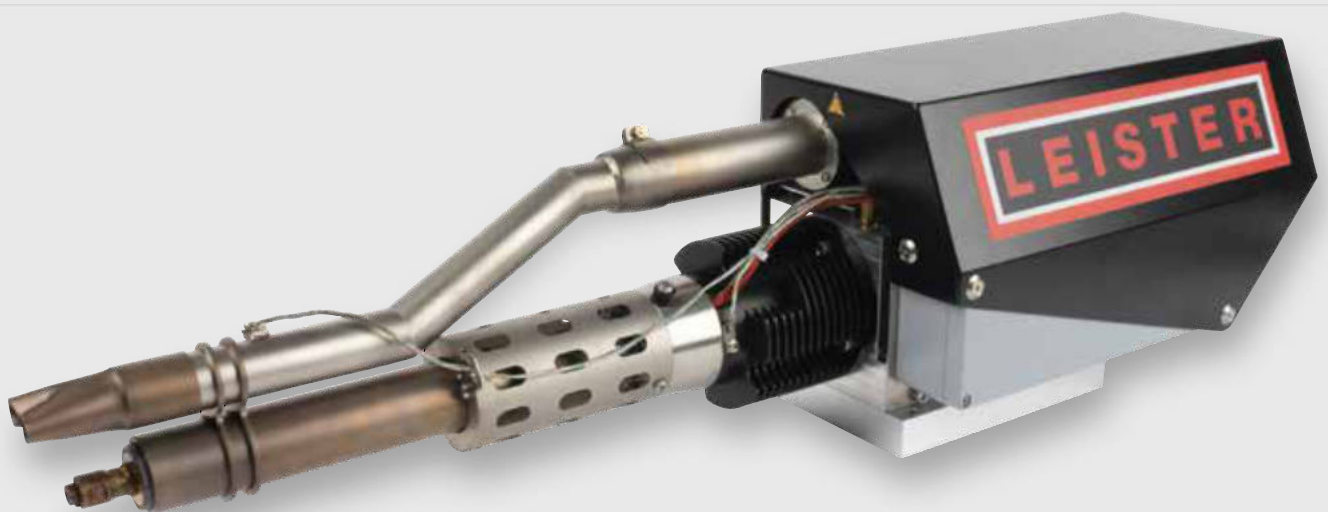


**Controlled**  
Monitor and control all parameters such as temperatures and emissions

The drive and communication components of both extruder modules, which can be freely chosen by the user, can be tailored fully to meet individual needs. By incorporating additional sensors, the process can be controlled and monitored as required.

Electrical and mechanical adaptation points are already set up so that the modules for various processes such as those requiring preheated air can be integrated.

State-of-the-art industrial interfaces or similar interfaces can be installed to aid communication.





WELDPLAST200-i / 600-i – robotic extrusion welding and 3D printing designed for automated continuous operation

Built-in extruder module

## WELDPLAST 200-i / 600-i






- Automated: Designed for automated continuous operation
- Up to date: All components are compliant with current industry standards

## WELDPLAST 200-i

	163.322 Extruder module 200-i
	163.575 Connectionkit 200-i / 600-i
	164.414 Preheatedair kit 200-i
	139.869 LHS 21S Classic 140.455 LHS 21S Premium 140.459 LHS 21S System

## WELDPLAST 600-i

	163.326 Extruder module 600-i
	163.575 Connectionkit 200-i / 600-i
	164.415 Preheatedair kit 600-i
	139.872 LHS 21L Classic 140.457 LHS 21L Premium 140.461 LHS 21L System

Technical data		WELDPLAST200-i	WELDPLAST600-i
Heating voltage	V~	230	230
Heating power	W	600	800
Welding rods / filament Ø	mm	3 – 4	4 – 5
Output Ø 4 HD-PE	kg / h	2	6
Plastic		HD-PE, LD-PE, PP, PVC-U, PVC-C, PVDF, ECTFE, ABS, PC, PA, PS, PUR	HD-PE, LD-PE, PP
Weight full disassembly	kg	15	22
Dimensions full disassembly (L x W x H)	mm	660 x 191 x 220	876 x 191 x 210
Protection class I		⊕	⊕

Included with purchase: Extrusion module, CAD data, parts list, operating manual, suggested electrical diagram



Draw welding on a PE-container with the DIODE PID.



The WELDPLASTS4 during outdoor use in Spain.

## General accessories hand extruder

	131.451	Tool rest WELDPLAST S2 / S2 PVC / FUSION2 FUSION 3C
	148.923	WELDPLAST S1
	160.454	WELDPLAST S4 / WELDPLAST S6 / FUSION 3
	136.231	Pre-heat reflector WELDPLASTS1/S2 / S2 PVC/ S4 / S6 FUSION2 / 3 / 3C
	134.361	Air filter WELDPLASTS1 / S2 / S2 PVC (included with purchase)
	143.776	Textile dust filter WELDPLASTS1 / S2 PVC (in combination with Air filter) (not included with purchase)
	135.082	Air filter FUSION2 / 3C
	155.829	Air filter WELDPLASTS2
	153.009	Corner Press Tool
	152.676	Welding Gauge
	144.095	Welding rod de-reeler
	116.367	Storage case (included with purchase) WELDPLAST S6
	123.173	WELDPLAST S4 / FUSION3
	119.540	WELDPLAST S2 / S2 PVC / S1 / FUSION2 / 3C
	162.060	FUSION 1
	154.259	Scrapers blade
	154.026	Contour scraper
	165.734	Spare blade set of 3 pcs
	134.567	Heating element 230 V / 2600 W, WELDPLASTS6
	109.984	230 V / 2200 W, WELDPLASTS4 / S2 / S2 PVC
	113.268	230 V / 1100 + 1100 W, FUSION3
	123.561	230 V / 1750 W, FUSION2 / 3C
	149.265	230 V / 1000 W, WELDPLASTS1
	149.529	120 V / 1100 W, WELDPLASTS1
	149.530	100 V / 1050 W, WELDPLASTS1
	151.026	120 V / 1750 W, FUSION2
	161.941	230 V / 900 W, FUSION1
	112.963	120 V / 1150 W, FUSION1

PLASTFIX lends the weld seam the necessary holding pressure.







## Welding rods

Article	Profile	Colour	kg
Welding accessories PE			
104.283 HDPE welding rod	A	Black	3
104.294 HDPE welding rod	A	White	3
104.284 HDPE welding rod	B	Black	5
104.299 HDPE welding rod	B	White	5
106.650 HDPE welding band	C	White	1
104.300 LDPE welding rod	A	Black	3
161.612 HDPE welding rod	D	Black	2
116.918 HDPE welding rod	D	White	2
Welding accessories PP			
104.287 PP welding rod	A	Light green	3
104.301 PP welding rod	A	Black	3
106.642 PPs welding rod, flame resistant	A	Light green	3
104.288 PP welding rod	B	Light green	5
126.356 PP welding band	C	White	2
161.611 PP welding rod	D	Light green	2
Welding accessories PVC			
104.296 PVC-U welding rod	A	White	3
104.278 PVC-U welding rod	A	Grey	3
106.641 PVC-U welding rod	A	Brown	3
104.280 PVC-U welding rod	B	Brown	5
104.279 PVC-U welding rod	B	Grey	5
109.925 PVC-U welding rod	D	Grey	4
104.302 PVC-P welding rod (soft)	A	White	3
Welding accessories ABS			
104.295 ABS welding rod	A	White	3
113.587 ABS welding rod	A	Black	3
107.027 ABS welding band	C	White	1

Article	Profile	Colour	kg
Welding accessories div.			
104.297 PA welding rod	A	Black	3
104.298 PC welding rod	A	White	3
104.313 PC welding rod / ABS / ALPHA (Honda)	A	Black	3
104.308 PUR welding rod	A	Black	3
106.654 Xenoy welding band	C	Grey	2
104.304 PVDF welding rod	A	White	3
104.303 POM welding rod	A	White	3
112.185 PC/PBTP Xenoy welding rod	A	White	3
Test bundles			
107.036	Test bundle bodywork welding rods, each consisting of profile A pieces of 37 cm single marked 6× HDPE, 6× PP, 6× PA, 6× PC, 6× ABS, 6× PCABS / ALPHA Honda, 6× PC / PBTP / Xenoy 		
107.037	Test bundles standard each consisting of profile A pieces of 37 cm single marked 5× PVC-U, 5× PVC-P, 5× PP, 5× ABS, 5× HDPE, 3× PC, 3× PA, 3× POM, 3× LDPE, 3× PC / ABS / ALPHA Honda, 3× PC / PBTP / Xenoy 		
107.040	Test bundle welding band each consisting of profile A pieces of 37 cm single marked 9× HDPE, 8× 2 mm white, 9× PP, 8× 2 mm natural, 9× ABS, 8× 2 mm white, 9× PC / PBTP / Xenoy grey 		

## Profile sizes

Profile A 	Profile B 	Profile C 	Profile D 
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Dimensions in mm