





Civil Engineering / Tunneling / Landfills

Product overview wedge welder	58
Product overview extrusion welder	59
ASTRO / ASTRO USB	60 / 61
COMET / COMET USB	62 / 63
TWINNY T / TWINNY T USB / TWINNY S	64 / 65
TRIAC DRIVE AT	66
EXAMO USB	67
WELDPLAST S6	68
WELDPLAST S4	69
WELDPLAST S2 / S2 TPO	70
FUSION 3 / FUSION 3C	71 / 72











Hot Air Tools for Roofing

TRIAC ST	12 – 15
TRIAC AT	13 – 15
ELECTRON ST	16 / 17
HOT JET S	18 / 19
General accessories	30



Product overview wedge welder for Civil Engineering / Tunneling / Landfills

								
Device type	ASTRO	ASTRO USB	COMET	COMET USB	TWINNY T	TWINNY T USB	TWINNY S	TRIAC DRIVE AT
Max. Voltage V~	230	230	230	230	230	230	230	230
Max. Power W	1800	1800	1800 / 1500 / 1200	1800 / 1500 / 1200	2300	2300	2900	1700
Temperature °C	80 – 420	80 – 420	80 – 420	80 – 420	80 – 560	80 – 560	80 – 600	80 – 650
Speed m/min	0.8 – 5.0	0.8 – 5.0	0.8 – 3.2	0.8 – 3.2	0.8 – 3.2	0.8 – 3.2	0.2 – 2.5 (4.0 ¹)	0.5 – 3.0
Welding pressure N	100 – 1500	100 – 1500	100 – 1000	100 – 1000	100 – 1000	100 – 1000	1000 (500)	n.a.
Weld seam width mm	2 × 15	2 × 15	2 × 15	2 × 15	2 × 15	2 × 15	2 × 15	30
Material thickness mm	1.5 – 3.0	1.5 – 3.0	0.5 – 3.0	0.5 – 3.0	0.5 – 3.0	0.5 – 3.0	0.5 – 3.0	0.5 – 3.0
Size (L × W × H) mm	430 × 270 × 310	430 × 270 × 310	295 × 250 × 245	295 × 250 × 245	340 × 360 × 245	340 × 360 × 245	350 × 390 × 270	300 × 230 × 380
Weight kg (with 3 m cable)	23.0	23.0	7.5	7.5	6.9 – 7.9	6.9 – 7.9	6.5 – 6.9	4.1
Conformity mark	CE	CE	CE	CE	CE	CE	CE	CE
Approval mark	§	§	§	§	§	§	§	§
Certification scheme	CCA	CCA	CCA	CCA	CCA	CCA	CCA	CCA
Protection class	⚡	⚡	⚡	⚡	⚡	⚡	⚡	⚡
Welding technologies								
Hot-wedge welding	✓	✓	✓	✓				
Combi-wedge welding					✓	✓	✓	
Hot-air welding								✓
Features								
Temperature regulation	✓	✓	✓	✓	✓	✓		✓
Drive regulation	✓	✓	✓	✓	✓	✓		✓
Temperature and drive infinitely adjustable	✓	✓	✓	✓	✓	✓	✓	✓
USB data recording		✓		✓		✓		
Digital display	✓	✓	✓	✓	✓	✓		✓
Catalog page	61	60/61	62	62	694	64	65	66

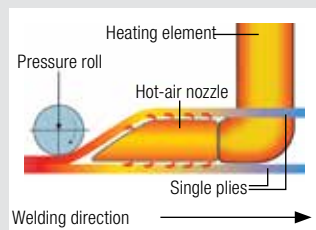
¹ with drive 144:1

Product overview – manual extrusion welders

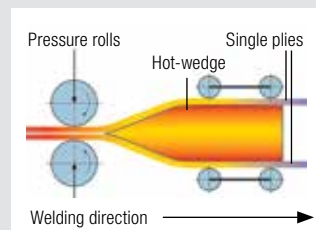
					
Device type	WELDPLAST S6	WELDPLAST S4	WELDPLAST S2	FUSION 3	FUSION 3C
Max. Voltage V~	230	230	230	230	230
Max. Power W	4600	3680	3000	3500	2800
Material	PE / PP	PE / PP	PE / PP / TPO ²	PE / PP	PE / PP
Welding rod mm	Ø 4 – Ø 5	Ø 3 – 4 / Ø 4 – 5	Ø 3 – Ø 4	Ø 3 – 4 / Ø 4 – 5	Ø 3 – 4 / Ø 4 – 5
Output kg/h	3.9 – 6.0	1.5 – 4.0	0.5 – 2.3	1.8 – 3.6	1.8 – 3.6
Size (L × W × H) mm	821 × 116 × 240	560 × 110 × 300	450 × 98 × 260	670 × 90 × 180	588 × 98 × 225
Weight kg	14.0	8.7	5.8	7.2	6.9
Conformity mark	CE	CE	CE	CE	CE
Approval mark	§	§	§	§	§
Certification scheme	CCA	CCA	CCA	CCA	CCA
Protection class II	⊕	⊕	⊕	⊕	⊕
Features					
Maintenance-free blower	✓	✓	✓		
Multifunction display	✓	✓	✓		
Adjustable grip	✓	✓	✓	✓	✓
Catalog page	68	69	70	71	71

² WELDPLAST S2 TPO variant

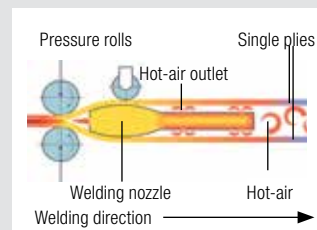
Hot-air welding



Hot-wedge welding



Combi-wedge welding

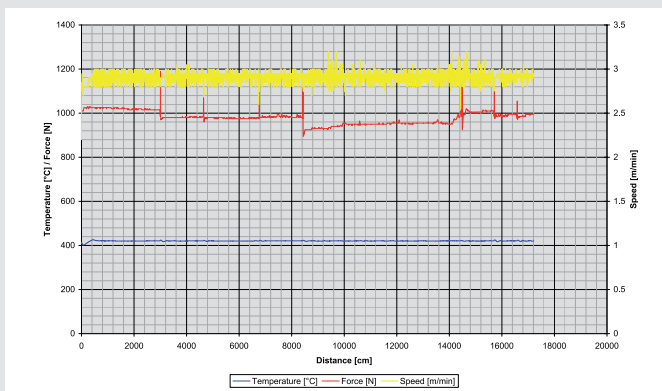
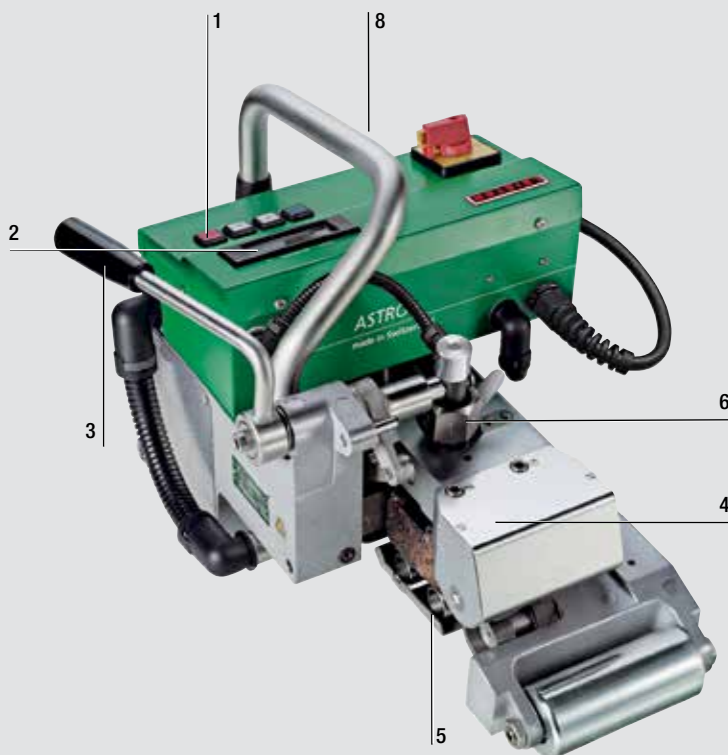


ASTRO / ASTRO USB: The thoroughbred.

The ASTRO and ASTRO USB are used anywhere all over the world. They weld up to five meters per minute. Its robust design and easy handling make it the perfect workhorse. The ASTRO USB allows for the consistent recording of all relevant welding parameters.

Wedge welder

ASTRO USB



Graphical evaluation of a weld seam (length 170 m).

1		Simple operation All functions can be accessed and controlled by just a few buttons.
2		Display Allows the user to control and monitor all the parameters at any given time!
3		One-handle operation Simultaneous operation of clamping lever and hot-wedge.
4		Pendulum head Perfect pressure distribution of both welding tracks.
5		Hot wedge Sufficient capacity reserve and optimal welding speed due to high capacity cartridge type heaters.
6		Pressure sensor Precise pressure sensor for optimal process control.
7		Acoustic alarm Safer working with limit value monitoring.
8		USB memory system Recording all relevant welding parameters becomes child's play with the USB memory system.
9		Handy storage case Convenient transport – perfect protection. (Included with purchase)



Fast and perfect!



ASTRO CPL special version for concrete protective liners.

Wedge welder ASTRO



- High welding capacity
- Digital display of temperature, velocity and mains voltage
- Stepless adjustment of welding pressure
- Closed-loop control of temperature and drive

Technical Data		
Voltage	V~	230
Power	W	1800
Temperature	°C	80 – 420
Speed	m/min	0.8 – 5.0
Welding pressure	N	100 – 1500
Weld seam width	mm	2 × 15
Material thickness	mm	1.5 – 3.0
Size (L × W × H)	mm	430 × 270 × 310
Weight	kg	23.0 (with 3 m cable)
Conformity mark	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⚡	

Article No.:

117.100 ASTRO, 230 V / 1800 W, roller 50 mm, with test channel, with Euro plug, sturdy storage case

Included with purchase: Welder, manual, storage case

Wedge welder ASTRO USB



- Digital display of pressure
- Acoustic alarm if limit value is exceeded
- USB memory system

Technical Data		
Voltage	V~	230
Power	W	1800
Temperature	°C	80 – 420
Speed	m/min	0.8 – 5.0
Welding pressure	N	100 – 1500
Weld seam width	mm	2 × 15
Material thickness	mm	1.5 – 3.0
Size (L × W × H)	mm	430 × 270 × 310
Weight	kg	23.0 (with 3 m cable)
Conformity mark	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⚡	

Article No.

141.126 ASTRO USB, 230 V / 1800 W, roller 50 mm, with test channel, with Euro plug, sturdy storage case

Included with purchase: Welder, manual, memorystick, storage case

COMET / COMET USB: The highflyers.

This compact heavy-duty welding machine is in use worldwide. The small powerhouse is specially designed for the demands of landfills sites, mines and tunnels. Documentation made simple: COMET USB's memory system is designed for use on construction sites. Because this compact hot-wedge welding machine records all relevant welding parameters, data transfer is mere child's play.

Wedge welder

COMET



- Lightweight and compact
- Digital display of temperature and velocity
- Closed loop control of temperature and drive
- Easy and user friendly

Technical Data

Voltage	V~	230 / 120
Power	W	1850 / 1500 / 1200
Temperature	°C	80 – 420
Speed	m/min	0.8 – 3.2
Welding pressure	N	100 – 1000
Weld seam width	mm	2 × 15, with test channel
Material thickness	mm	0.5 – 3
Size (L × W × H)	mm	295 × 250 × 245
Weight	kg	7.5 (with 3 m cable)
Conformity mark	CE	
Approval mark	S	
Protection class I	⊕	

Article No.:

107.547	COMET, with wedge 50 mm for PE, 230 V / 1200 W *
107.538	COMET, with wedge 70 mm for PE, 230 V / 1500 W *
145.893	COMET, with wedge 95 mm for PE, 230 V / 1850 W *
107.558	COMET, with wedge 50 mm for PVC, 230 V / 1200 W *
107.553	COMET, with 50mm wedge for PE, 120 V / 1200 W*
107.539	COMET, with 70mm wedge for PE, 120 V / 1500 W*

Included with purchase: Welder, manual, guide-bar short, storage case
 * = with test channel, EURO plug

Wedge welder

COMET USB



- Digital display of welding pressure
- Complete recording of all relevant welding parameters.
- USB memory system designed for use on construction sites
- Convenient data transfer

Technical Data

Voltage	V~	230
Power	W	1850 / 1500 / 1200
Temperature	°C	80 – 420
Speed	m/min	0.8 – 3.2
Welding pressure	N	100 – 1000
Weld seam width	mm	2 × 15, with test channel
Material thickness	mm	0.5 – 3
Size (L × W × H)	mm	295 × 250 × 245
Weight	kg	7.5 (with 3 m cable)
Conformity mark	CE	
Approval mark	S	
Protection class I	⊕	

Article No.:

137.626	COMET USB, with wedge 50 mm for PE, 230 V / 1200 W *
138.088	COMET USB, with wedge 70 mm for PE, 230 V / 1500 W *
146.052	COMET USB, with wedge 95 mm for PE, 230 V / 1850 W *

Included with purchase: Welder, manual, guide-bar short, memorystick, storage case
 * = with test channel, EURO plug

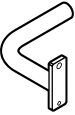
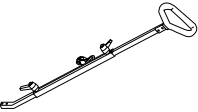
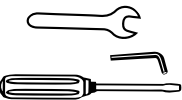



Comet operating in the tunnel ...



... or on a landfills site.

Accessories COMET / COMET USB

	112.974 Extremely light cross handle, material: aluminum
	129.224 Guide-bar, complete
	110.715 Tool set consists of hexagon spanner 8 / 10 / 13 / 17 mm and Allen keys 3 / 4 / 6 mm
	115.905 USB memory stick



Perfectly protected in the storage case.

126.448
(included with purchase)

Fields of application COMET / COMET USB

Power	1850 W		1500 W		1200 W	
Type of material	Wedge	Material thickness	Wedge	Material thickness	Wedge	Material thickness
PE-HD, PE-C, PP	95 mm copper	1.5 – 2.0 mm	70 mm copper	1.5 – 2.0 mm	50 mm copper	0.5 – 1.5 mm
PE-LD	95 mm copper	2.0 – 3.0 mm	70 mm copper	2.0 – 3.0 mm	50 mm copper	1.0 – 2.0 mm
PVC-P			70 mm steel	2.0 – 3.0 mm	50 mm steel	1.0 – 2.0 mm

TWINNY T / TWINNY T USB: The little all-rounders.

The TWINNY T is excellent for welding PVC and other thin or soft membranes. It is available either with or without air-test channel. The TWINNY T USB, which makes data storage and display easy with a USB flash memory system, is perfect for critical applications where constant real-time monitoring of primary weld conditions can be stored and displayed.

Combi-wedge welder

TWINNY T



- Simple operation
- High welding speed
- Digital display of temperature and velocity
- Closed-loop control of temperature and drive
- Perfect welding result even in harsh environmental conditions thanks to hot-air system.

Technical Data

Voltage	V~	230 / 120
Power	W	2300 / 1900
Temperature	°C	20 – 560
Speed	m/min	0.8 – 3.2
Welding pressure	N	100 – 1000
Size (L x W x H)	mm	340 x 360 x 245
Weight	kg	6.9 – 7.9 (with 3 m cable)
Conformity mark	CE	
Approval mark	S	
Protection class I	⊕	

Article No.:

107.562	TWINNY T for civil engineering, 230 V / 2300 W, with test channel, with combi-wedge long, with Euro plug
107.564	TWINNY T for civil engineering, 230 V / 2300 W, with test channel, with combi-wedge short, with Euro plug
111.190	TWINNY T for tunnel construction, 230 V / 2300 W, with test channel, with combi-wedge short, with Euro plug
113.362	TWINNY T for tunnel construction, 120 V / 1900 W, with test channel, with combiwedge short, with UK plug

Included with purchase:

Cvile engineering version: Welder, manual, guide-bar long (129.224), storage case
Tunneling version: Welder, manual, guide-bar short, storage case

Combi-wedge welder

TWINNY T USB



- Digital display of welding pressure
- Complete recording of all relevant welding parameters
- USB memory system
- Data transfer made simple

Technical Data

Voltage	V~	230
Power	W	2300
Temperature	°C	80 – 560
Speed	m/min	0.8 – 3.2
Welding pressure	N	100 – 1000
Size (L x W x H)	mm	340 x 360 x 245
Weight	kg	6.9 – 7.9 (with 3 m cable)
Conformity mark	CE	
Approval mark	S	
Protection class I	⊕	

Article No.:

138.089	TWINNY T USB for civil engineering, 230 V / 2300 W, with test channel, with combi-wedge long, with Euro plug
---------	--

Additional versions (incl. 120 V) available upon request.

Included with purchase:

Civil engineering version: Welder, manual, guide-bar long (129.224), USB-memory-stick, storage case

Tunneling version: Welder, manual, guide-bar short, storage case

TWINNY S: Perfect weight.

This lightweight tool is optimized for overhead welding and is ideal for thin materials used in civil engineering and tunnel construction. Leister offers a choice between replaceable combi-wedges with or without test channel.



TWINNY T, with convenient cross-handle, at work overhead welding in a tunnel.

Combi-wedge welder

TWINNY S



- Simple operation
- Lightweight
- High welding speed
- Stepless adjustment of temperature and drive
- Perfect welding result even in harsh environmental conditions thanks to hot-air system.

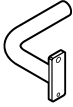

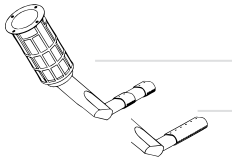
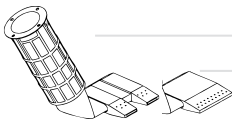
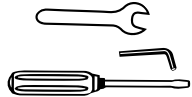


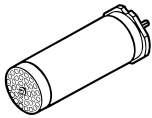
Technical Data

Voltage	V~	120 / 230
Power	W	2900 / 1900
Temperature	°C	80 – 600
Speed	m/min (drive 256:1)	0.2 – 2.5
	(drive 144:1)	1.4 – 4 (6)
Welding pressure	N (256:1 / 144:1)	1000 / 500
Size (L x W x H)	mm	350 x 390 x 270
Weight	kg	6.5 – 6.9 (with 3 m cable)
Conformity mark		CE
Approval mark		§
Certification scheme		CCA
Protection class II		□

Article No.:

119.031	TWINNY S for tunnel construction, drive 256:1, 230 V / 2900 W, with test channel, combi-wedge long, Euro plug
119.027	TWINNY S for civil engineering, drive 256:1, 230 V / 2900 W, with test channel, combi-wedge long, Euro plug
119.008	TWINNY S for civil engineering, drive 144:1, 230 V / 2900 W, with test channel, combi-wedge short, Euro plug
128.808	TWINNY S for civil engineering, drive 144:1, 6 m/min, 230 V / 2900 W, with test channel, combi-wedge short, Euro plug
119.039	TWINNY S for tunnel construction, drive 256:1, 120 V / 1900 W, with test channel, combiwedge long, w/o plug

Accessories TWINNY T / T USB / TWINNY S

	112.974 Cross handle extremely light, material: aluminum
	129.224 Guide bar, complete
	100.517 Combi-wedge short 50 mm, with test channel 100.519 30 mm, with test channel 100.518 50 mm, without test channel 100.520 30 mm, without test channel
	100.525 Combi-wedge long, complete 50 mm, with test channel 100.526 50 mm, without test channel, slotted, perforated
	110.715 Tool set consists of hexagon spanner 8 / 10 / 13 / 17 mm and hexagon bolt 3 / 4 / 6 mm
	115.905 USB memory stick TWINNY T USB
	126.448 Storage case (included with purchase)
	103.604 230 V / 2100 W heating element, TWINNY T / T USB 103.602 120 V / 1800 W heating element, TWINNY T / T USB 101.905 230 V / 2750 W heating element, TWINNY S 101.910 230 V / 2100 W heating element, TWINNY S 101.913 120 V / 1800 W heating element, TWINNY S

Included with purchase:

Cvile engineering version: Welder, manual, guide-bar long (129.224), storage case
Tunneling version: Welder, manual, guide-bar short, storage case

TRIAC DRIVE AT: The little all-rounder

This semiautomatic hot-air welder that's truly one of a kind. Its flexible concept enables the TRIAC DRIVE AT to be used in all kinds of applications.



The perfect choice for welding joint sealing tape.

Semiautomatic hot-air welder

TRIAC DRIVE AT



- Consistent and up to 3x faster than hand welding
- Unique semiautomatic welding machine
- Can perform automatic welding in places other devices can't reach
- With guide, inside or outside nozzle for all precision work in tunnels (available as optional accessory)

Technical Data






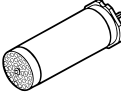
Voltage	V~	230
Power	W	1700
Temperature	°C	80 – 650
Speed	m/min	0.5 – 3
Air flow	l / min	(20 °C) 120 – 240
Size (L x W x H)	mm	300 x 230 x 380
Weight (with 3 m cable)	kg	4.1
Conformity mark		CE
Protection class II		□

Article No.:

- 117.331 TRIAC DRIVE AT 230 V / 1700 W, inside, without guide, width of welding nozzle 30 mm, without grip, pressure roller silicone, EURO-plug
- 148.606 TRIAC DRIVE AT 230 V / 1700 W, inside, without guide, width of welding nozzle 12 mm, with grip, pressure roller steel, EURO-plug
- 148.605 TRIAC DRIVE AT 230 V / 1700 W, inside, without guide, width of welding nozzle 38 mm, without grip, pressure roller steel, EURO-plug

Additional versions available upon request.

Accessories TRIAC DRIVE AT

	115.274	12 mm pressure roller, steel
	115.176	30 mm pressure roller, steel
	115.712	40 mm pressure roller, steel
	115.857	30 mm pressure roller, silicone
	115.921	40 mm pressure roller, silicone
	115.276	Single supporting carrier, brass
	138.570	Single supporting carrier, silicone
		Overlap welding nozzle, inside, push-fit
	115.281	38 mm, with grip
	115.279	30 mm, with grip
	115.699	12 mm, without grip
	115.703	38 mm, without grip
		Overlap welding nozzle, outside, push-fit
	115.280	38 mm, with grip
	115.278	30 mm, with grip
	115.702	38 mm, without grip
	115.700	30 mm, without grip
	108.985	Storage case (included with purchase)
	142.637	230 V / 1550 W heating element for TRIAC AT

EXAMO USB: The inspector.

Is the welding seam sealed and can it withstand the specified peeling, tensile and shearing forces? EXAMO performs tests at the construction site – quick, reliable and uncomplicated.



Seam tests can be conducted in the labor on-site with the EXAMO USB.

Tensiometer

EXAMO USB



- Construction-site approved
- Handy, robust and reliable
- Testing of elongation, peak force, tear force, test speed and position
- With jaws also suitable for geo textiles (see accessories)

Technical Data

Type		300F	600F
Voltage	V~	230	230
Power	W	200	200
Tensile load	N	4000	4000
Jaw spacing	mm	5 – 300	5 – 600
Range	mm	300	600
Test speed	mm/min	10 – 300	10 – 300
Sample thickness	mm	max. 7	max. 7
Sample width	mm	max. 40 (60 optional)	max. 40 (60 optional)
Size (L x W x H)	mm	750x270x190 (case)	1050x270x190 (case)
Weight	kg	14	17.5
Conformity mark		CE	CE
Approval mark		Ⓢ	Ⓢ
Protection class I		⊕	⊕

Article No.:

- 139.059 EXAMO 300F USB, 230 V / 200 W, incl. USB memory stick, Euro plug
139.060 EXAMO 600F USB, 230 V / 200 W, incl. USB memory stick, Euro plug

Accessories EXAMO USB



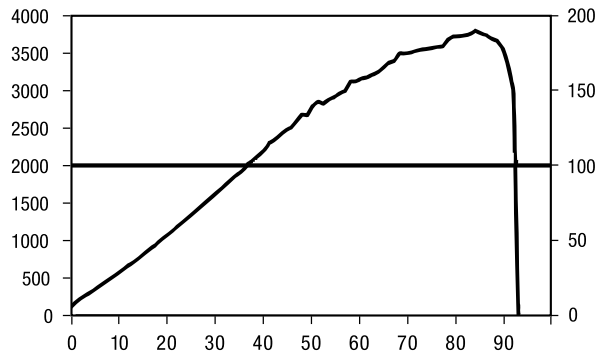
134.832 Testing and calibration kit to test and calibrate your EXAMO USB



108.185 Jaw kit 60 mm for geotextiles including two pairs of jaws



115.905 USB memory-stick



Visualization of an EXAMO USB report.

WELDPLAST S6: The workhorse.

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



WELDPLAST S6 undertaking assembly applications on a landfill site.

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 – Ø 5
Output	kg/h	3.9 – 6.0
Size (L × W × H)	mm	821 × 116 × 240
Weight	kg	14
Conformity mark		CE
Approval mark		Ⓢ
Protection class I		Ⓛ

Article No.:

134.318

Extrusion Welder WELDPLAST S6, 230 V / 4600 W,
with CEE 32A plug

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
	146.242	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
	144.905	45° angled adapter
	145.705	90° angled adapter
Caution: You must use welding shoes with an integrated air guide for this.		
	117.055	35 mm preheating nozzle, large
	136.859	50 mm preheating nozzle, XL large
	117.790	Side hot-air guide
	116.367	Ultra strong storage case WELDPLAST S6 (included with purchase)

* a = welding seam thickness

WELDPLAST S4

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



The powerful WELDPLAST S4 at work.

Digitally regulated extrusion welder

WELDPLAST S4



- Compact housing design reduces noise and guarantees optimal cooling for the electronics and drive.
- Microprocessor to regulate the welding process and to monitor 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
Output	kg/h	1.5 – 4.0
Size (L × W × H)	mm	560 × 110 × 300
Weight	kg	8.7
Conformity mark		CE
Approval mark		3
Certification scheme		CCA
Protection class I		⊕

Article No.:

146.812	WELDPLAST S4, 230 V / 3680 W, 4–5 mm, top hot-air guide, overlap welding shoe 40 mm, preheating nozzle large, with Euro plug, storage case
116.948	WELDPLAST S4, 230 V / 3680 W, 3–4 mm, side hot-air guide, blank welding shoe, preheating nozzle large, medium and small, with Euro plug, storage case

Accessories WELDPLAST S4

	146.239	Welding shoe complete
	146.240	54 × 40 × 52 mm blank welding shoe
	146.241	25 mm overlap
	146.242	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
	146.231	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
	144.904	45° angled adapter
	145.704	90° angled adapter
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
		preheating nozzle
	117.053	small, 20 mm
	117.518	medium, 25 mm
	141.177	large, 35 mm
	118.804	Tool rest
	136.231	Pre-heat reflector

* a = welding seam thickness

WELDPLAST S2: The masterpiece.

The WELDPLAST S2 is a compact, ergonomically designed workhorse. The handy size extruder puts out two kilograms per hour and can even weld TPO materials without difficulty.



The robust WELDPLAST S2 welding a patch in a tunneling application.

Digitally regulated extrusion welder

WELDPLAST S2 / S2 TPO



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

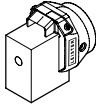
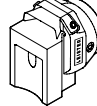
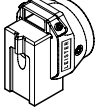
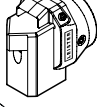

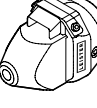
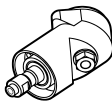



Technical Data

Voltage	V~	230
Power	W	3000
Material standard version		PE / PP
Welding rod	mm	Ø 3 – 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 – 2.3 PP: 0.9 – 2.0
Size (L x W x H)	mm	450 x 98 x 260
Weight	kg	5.8
Conformity mark		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ

Article No.:

127.215 WELDPLAST S2, 230 V / 3000 W, with Euro plug
Included with purchase: WELDPLAST S2, blank welding shoe, storage case
136.602 WELDPLAST S2, 230 V / 3000 W, TPO, with Euro plug
Included with purchase: WELDPLAST S2, UBL-blank welding shoe, storage case

Accessories WELDPLAST S2 / S2 TPO

	145.945	Welding shoe complete
	145.946	45 x 30 x 54 mm blank welding shoe
	145.896	25 mm overlap
	145.947	30 mm overlap
	145.897	35 mm overlap
	145.915	8 / 10 mm V-seam
	145.907	12 mm V-seam
	145.903	15 mm V-seam
	145.909	20 mm V-seam
	145.944	8 / 10 mm fillet weld (a = 7 mm*)
	145.812	15 mm fillet weld (a = 10*)
	145.940	20 mm fillet weld (a = 14 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
	139.460	45° angled adapter
	139.461	90° angled adapter
	134.361	Air filter set (included with purchase)
	143.776	Textile dust filter (not included with purchase)
	131.451	Tool rest WELDPLAST S2
	136.231	Pre-heat reflector

* a = welding seam thickness

FUSION 3 / 3C: THE slim twins.

With its long and narrow shape, the FUSION 3 enables comfortable work, even on the floor. The somewhat shorter 3C provides an astounding output volume of up to 3.6 kilograms per hour.



Due to its length, the FUSION 3 is especially suited for civil engineering applications.

Air heated extrusion welder

FUSION 3



- High welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Dual-sided twist-free wire intake
- 360° rotatable 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 × W × H)	mm	670 × 90 × 180			
Weight	kg	7.2			
Conformity mark		CE			
Approval mark		S			
Certification scheme		CCA			
Protection class II		□			

Article No.:
118.300 FUSION 3, 230 V / 3500 W, Welding rod Ø 3 – 4 mm, Euro plug
144.615 FUSION 3, 230 V / 3500 W, Welding rod Ø 4 – 5 mm, Euro plug
Included with purchase: FUSION 3, raw welding shoe, storage case

Air heated extrusion welder

FUSION 3C



- High welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Dual-sided twist-free wire intake
- 360° rotatable 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	2800			
Material		PE / PP			
Size (L × W × H)	mm	588 × 98 × 225			
Weight	kg	6.9			
Conformity mark		CE			
Approval mark		S			
Certification scheme		CCA			
Protection class II		□			

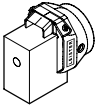
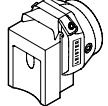
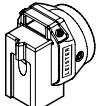
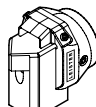

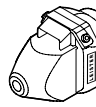
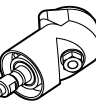

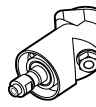

Article No.:
123.866 FUSION 3C, 230 V / 2800 W, Welding rod Ø 3 – 4 mm, Euro plug
144.826 FUSION 3C, 230 V / 2800 W, Welding rod Ø 4 – 5 mm, Euro plug

Included with purchase: FUSION 3C, raw welding shoe, storage case

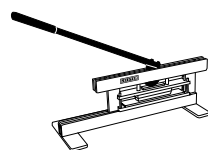
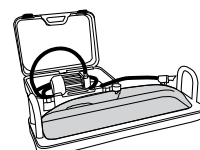

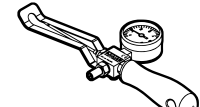
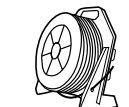

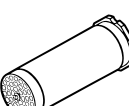
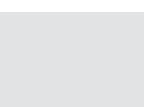


The FUSION 3 for comfortable working in upright positions.

Accessories FUSION 3 / FUSION 3C

	145.945	Welding shoe complete
	145.946	35 × 30 × 54 mm blank welding shoe
	145.946	74 × 50 × 58 mm blank welding shoe
	145.896	25 mm overlap
	145.947	30 mm overlap
	145.897	35 mm overlap
	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
	145.905	30 mm V-seam
	145.944	8 / 10 mm fillet weld (a = 7 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*)
	145.817	30 mm fillet weld (a = 21 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
	148.817	45° angled adapter
	148.816	90° angled adapter
	135.082	Air filter in stainless steel FUSION 3C
	118.804	Tool rest
	136.231	Pre-heat reflector

General accessories

	145.813	COUPON CUTTER 20 × 150 mm
	143.824	Spare blade 150 × 20 mm
	143.826	Blade protection
	143.828	Cutting plate
	146.449	COUPON CUTTER 1" × 6" (25 × 150 mm)
	146.468	Spare blade 150 × 25 mm
	146.536	Blade protection
	146.883	VACUUM BOX, 810 × 310 mm
	146.880	VACUUM PUMP, 230 V
	146.882	VACUUM PUMP, 120 V
	146.461	VACUUM BOX / -PUMP KIT 230 V
	146.881	VACUUM BOX / -PUMP KIT 120 V
	109.795	Vacuum bell Ø 320 mm
	142.475	Testing device with injector needle
	142.569	Spare needle
	144.095	Welding rod de-reeler
	123.173	Storage case
	119.540	WELDPLAST S4 / FUSION 3
		WELDPLAST S2 / S2 TPO / FUSION 3C (included with purchase)
	134.567	Heating element, 230 V / 2600 W, for WELDPLAST S6
	109.984	230 V / 2200 W, for WELDPLAST S4 / S2
	113.268	230 V / 1100 + 1100 W, for FUSION 3
	123.561	230 V / 1750 W, for FUSION 3C

