





Civil Engineering / Tunneling / Landfills

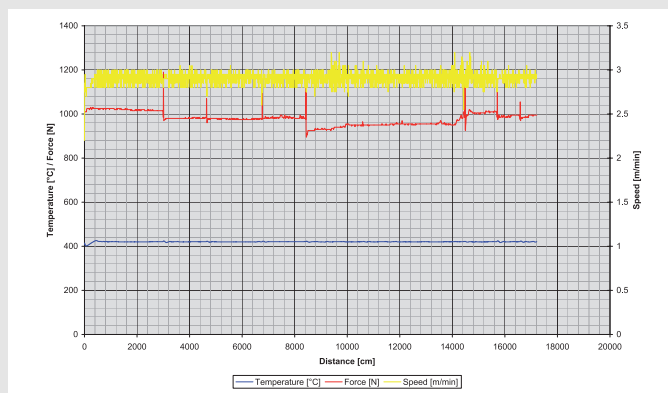
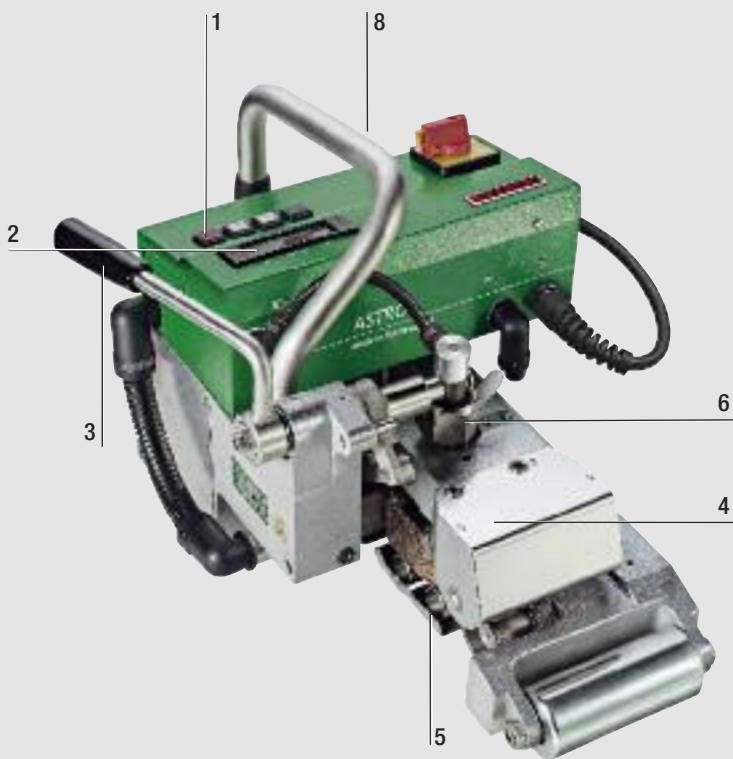
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ASTRO / ASTRO USB: The thoroughbred.

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

Wedge welder ASTRO USB



Graphical evaluation of a weld seam (length 560 ft).

| | | |
|---|--|--|
| 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 Safe workspace with limit value monitoring. |
| 8 | | USB memory system Easily record a permanent archive of all 1400 relevant welding parameters. |
| 9 | | Handy storage case Convenient transport – perfect protection. (Included with purchase) |



Fast and perfect!



Special version for concrete protective liners.

Wedge welder

ASTRO



Wedge welder

ASTRO USB



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

- Digital display of pressure
- Acoustic alarm if limit value is exceeded
- Complete record of all relevant welding parameters
- USB memory system

Technical Data

| | | |
|----------------------|--------|-------------------------|
| Voltage | V~ | 230 |
| Power | W | 1800 |
| Temperature | °F | 68 – 788 |
| Speed | ft/min | 2.6 – 16.4 |
| Welding pressure | N | 100 – 1500 |
| Weld seam width | inch | 2 x 0.6 |
| Material thickness | mil | 60 – 120 |
| Size (L x W x H) | inch | 17 x 11 x 12 |
| Weight | lbs | 50.0 (with 10 ft cable) |
| Conformity Marking | CE | |
| Approval mark | S | |
| Certification scheme | CCA | |
| Protection class I | ⊕ | |

Article No.:

117.100 ASTRO, 230V / 1800W, roller 2.0 inch, with test channel, overlap 1.6 inch, with Euro plug, sturdy storage case

Technical Data

| | | |
|----------------------|--------|-------------------------|
| Voltage | V~ | 230 |
| Power | W | 1800 |
| Temperature | °F | 68 – 788 |
| Speed | ft/min | 2.6 – 16.4 |
| Welding pressure | inch | 2 x 0.6 |
| Material thickness | mil | 60 – 120 |
| Size (L x W x H) | inch | 17 x 11 x 12 |
| Weight | lbs | 50.0 (with 10 ft cable) |
| Conformity Marking | CE | |
| Approval mark | S | |
| Certification scheme | CCA | |
| Protection class I | ⊕ | |

Article No.:

141.126 ASTRO USB, 230V / 1800W, roller 2.0 inch, with test channel, with Euro plug, sturdy 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 | 1500 / 1200 |
| Temperature | °F | 68 – 788 |
| Speed | ft/min | 2.6 – 10.5 |
| Welding pressure | N | 100 – 1000 |
| Weld seam width | inch | 2 x 0.59, with test channel |
| Material thickness | mil | 2.0 – 120 |
| Size (L x B x H) | inch | 12 x 10 x 10 |
| Weight | lbs | 16.5 (with 10 ft cable) |
| Conformity Marking | CE | |
| Approval mark | S | |
| Protection class I | ⊕ | |

Article No.:

- 107.538 COMET, wedge 2.7 inch for PE, 230 V / 1500 W, test channel, Euro plug
- 107.547 COMET, wedge 2 inch for PE, 230 V / 1200 W, test channel, Euro plug
- 107.558 COMET, wedge 2 inch for PVC, 230 V / 1200 W, test channel, Euro plug
- 107.539 COMET, wedge 2.7 inch for PE, 120 V / 1500 W, test channel, yellow UK plug
- 107.553 COMET, wedge 2 inch for PE, 120 V / 1200 W, test channel, yellow UK plug

Additional versions available upon request.

Wedge welder

COMET USB



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

Technical Data

| | | |
|--------------------|--------|-----------------------------|
| Voltage | V~ | 230 |
| Power | W | 1500 / 1200 |
| Temperature | °F | 68 – 788 |
| Speed | ft/min | 2.6 – 10.5 |
| Welding pressure | N | 100 – 1000 |
| Weld seam width | inch | 2 x 0.59, with test channel |
| Material thickness | mil | 2.0 – 120 |
| Size (L x B x H) | inch | 12 x 10 x 10 |
| Weight | lbs | 16.5 (with 10 ft cable) |
| Conformity Marking | CE | |
| Approval mark | S | |
| Protection class I | ⊕ | |

Article No.:

- 137.626 COMET USB, with wedge 2.0 inch for PE, 230 V / 1200 W, with test channel, Euro plug
- 138.088 COMET USB, with wedge 2.7 inch for PE, 230 V / 1500 W, with test channel, Euro plug


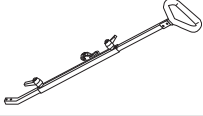




Comet operating in the tunnel ...



... 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 consist of hexagon spanner 0.3/0.4/0.5/0.7 inch and hexagon bolt 0.12/0.16/0.24 inch |
|  | 115.905 | USB memory stick |



Perfectly protected in the storage case.

126.448
(included with purchase)

Fields of application COMET / COMET USB

| Power | 1500 W | | 1200 W | | 700 W | |
|-----------------|-----------------|--------------------|---------------|--------------------|----------------|--------------------|
| | Wedge length | Material thickness | Wedge length | Material thickness | Wedge length | Material thickness |
| PE-HD, PE-C, PP | 2.7 inch copper | 60 – 80 mil | 2 inch copper | 20 – 60 mil | 0.8 inch steel | 20 – 40 inch |
| PE-LD | 2.7 inch copper | 80 – 120 mil | 2 inch copper | 40 – 80 mil | 0.8 inch steel | 20 – 40 inch |
| PVC-P | 2.7 inch steel | 80 – 120 mil | 2 inch steel | 40 – 80 mil | | |

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.

Combiwedge 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 | °F | 68 – 1040 |
| Velocity | ft/min | 2.6 – 10.5 |
| Welding pressure | N | 100 – 1000 |
| Size (L x W x H) | inch | 13 x 14 x 10 |
| Weight | lbs | 15.2 – 17.4 (with 10 ft cable) |
| Conformity Marking | | CE |
| Approval mark | | Ⓢ |
| Protection class I | | ⊕ |

Article No.:

- 107.562 TWINNY T for civil engineering, 230 V / 2300 W, with test channel, with combiwedge long, with Euro plug
- 107.564 TWINNY T for civil engineering, 230 V / 2300 W, with test channel, with combiwedge short, with Euro plug
- 111.190 TWINNY T for tunnel construction, 230 V / 2300 W, with test channel, with combiwedge short, with Euro plug
- 115.761 TWINNY T for civil engineering, 230 V / 2300 W, without test channel, with combiwedge long, with Euro plug
- 113.362 TWINNY T for civil engineering, 120V / 1900W, roller 2.0 inch, with test channel, with short combi-wedge, with UK plug

Additional versions available upon request.

Combiwedge welder

TWINNY T USB



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

Technical Data

| | | |
|--------------------|--------|--------------------------------|
| Voltage | V~ | 230 |
| Power | W | 2300 |
| Temperature | °F | 68 – 1040 |
| Velocity | ft/min | 2.6 – 10.5 |
| Welding pressure | N | 100 – 1000 |
| Size (L x W x H) | inch | 13 x 14 x 10 |
| Weight | lbs | 15.2 – 17.4 (with 10 ft cable) |
| Conformity Marking | | CE |
| Approval mark | | Ⓢ |
| Protection class I | | ⊕ |

Article No.:

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

Additional versions available upon request.

TWINNY S: The lightweight.

Lightweight version, optimized for overhead welding, is ideal for thin materials used in civil engineering and tunnel construction. Leister offers a choice between replaceable combiwedges with or without test channel.



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

Combiwedge 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~ | 230 / 120 |
| Power | W | 2900 / 1900 |
| Temperature | °F | 68 – 1110 |
| Speed | ft/min | |
| Gear 256:1 | | 0.7 – 8.2 |
| Gear 144:1 | | 4.6 – 13 (20) |
| Welding pressure | N | 1000 |
| Size (L x W x H) | inch | 14 x 15 x 11 |
| Weight | lbs | 14 – 15 (with 10 ft cable) |
| Conformity Marking | | CE |
| Approval mark | | CS |
| 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, combiwedge long, Euro plug |
| 119.030 | TWINNY S for tunnel construction, drive 256:1, 230 V / 2900 W, with test channel, combiwedge short, Euro plug |
| 119.027 | TWINNY S for civil engineering, drive 256:1, 230 V / 2900 W, with test channel, combiwedge long, Euro plug |
| 119.008 | TWINNY S for civil engineering, drive 144:1, 230 V / 2900 W, with test channel, combiwedge short, Euro plug |
| 128.808 | TWINNY S for civil engineering, drive 144:1, 20 ft/min, 230 V / 2900 W, with test channel, combiwedge short, Euro plug |

Additional versions available upon request.




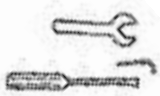


Accessories TWINNY T / T USB / S

| | | |
|---|----------------|---|
|  | 112.974 | Cross handle extremely light, material: aluminum |
|  | 129.224 | Guide-bar, complete |
|  | 100.517 | 2 inch combiwedge short, with test channel |
|  | 100.518 | 2 inch combiwedge short, without test channel |
|  | 100.519 | 1.2 inch combiwedge short, with test channel |
|  | 100.520 | 1.2 inch combiwedge short, without test channel |
|  | 100.525 | 2 inch combiwedge long, complete, with test channel |
|  | 100.526 | 2 inch combiwedge long, complete, without test channel, slotted, perforated |

Accessories TWINNY T / T USB

| | | |
|---|----------------|--------------------------------|
|  | 103.604 | 230 V / 2100 W heating element |
|  | 103.602 | 120 V / 1800 W heating element |

Accessories TWINNY S

| | | |
|--|----------------|--|
|  | 101.905 | 230 V / 2750 W heating element |
|  | 101.910 | 230 V / 2100 W heating element |
|  | 101.913 | 120 V / 1800 W heating element |
|  | 110.715 | Tool set consists of hexagon spanner 0.3 / 0.4 / 0.5 / 0.7 inch and hexagon bolt 0.12 / 0.16 / 0.24 inch |
|  | 115.905 | USB memory stick |
|  | 126.448 | Storage case (included with purchase) |

TRIAC DRIVE: The climber.

This tried and tested semi-automatic welding machine can be used in most applications. The increased welding speed, compared with manual welding, gives rise to higher productivity.



Overhead welding made easy with the TRIAC DRIVE S.

Semi automatic welding machine

TRIAC DRIVE S



- Faster and additional efficiency than hand welding
- Small and compact
- Steplessly adjustable speed for high-quality welding
- Can be used in the most confined spaces

Technical Data







| | | |
|-------------------------|--------|---|
| Voltage | V~ | 100 / 120 |
| Power | W | 1600 |
| Temperature | °F | 68 – 1112 |
| Speed | ft/min | 1.6 – 10 |
| Width of welding nozzle | inch | 1.2 / 1.6 |
| Dimensions (L x W x H) | inch | 12 x 9 x 15 |
| Weight | lbs | 9.1 (with 10 ft cable, without guide aid) |
| Conformity Marking | | CE |
| Approval mark | | Ⓢ |
| Certification scheme | | CCA |
| Protection class I | | Ⓢ |

Article No.:

| | |
|---------|--|
| 115.125 | TRIAC DRIVE S <i>without guide aid</i> , 100 / 120 V / 1600 W, <i>outside</i> , without grip, 1.6 inch |
| 115.379 | TRIAC DRIVE S <i>without guide aid</i> , 100 / 120 V / 1600 W, <i>inside</i> , without grip, 1.6 inch |

Additional versions available upon request.

Accessories TRIAC DRIVE S

| | |
|--|--|
|  | 115.274 0.5 inch pressure roller, steel 115.176 1.2 inch pressure roller, steel 115.712 1.6 inch pressure roller, steel 138.570 0.5 inch pressure roller, silicon 115.857 1.2 inch pressure roller, silicon 115.921 1.6 inch pressure roller, silicon |
|  | 115.276 Single supporting carrier |
|  | 115.281 1.5 inch, <i>with grip</i> 115.279 1.2 inch, <i>with grip</i> 115.703 1.5 inch, <i>without grip</i> 115.701 1.2 inch, <i>without grip</i> |
|  | 115.280 1.5 inch, <i>with grip</i> 115.278 1.2 inch, <i>with grip</i> 115.702 1.5 inch, <i>without grip</i> 115.700 1.2 inch, <i>without grip</i> |
|  | 100.702 100 / 120 V, 1550 W heating element for TRIAC S |
|  | 108.985 Storage case (included with purchase) |

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 lab or on-site with the EXAMO USB.

Testing instrument

EXAMO USB



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

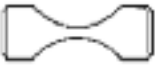

Technical Data

| | | | |
|--------------------|----------|-------------------------------|-------------------------------|
| Type | | 300F | 600F |
| Voltage | V~ | 230 | 230 |
| Power | W | 200 | 200 |
| Tensile load | N | 4000 | 4000 |
| Jaw spacing | inch | 0.2 – 11.8 | 0.2 – 26.6 |
| Range | inch | 11.8 | 23.6 |
| Test speed | inch/min | 0.4 – 11.8 | 0.4 – 11.8 |
| Sample thickness | mil | max. 276 | max. 276 |
| Sample width | inch | max. 1.6 (2.4 optional) | max. 1.6 (2.4 optional) |
| Size (L x W x H) | inch | 29 x 11 x 7 (storage case) | 41 x 11 x 7 (storage case) |
| Weight | lbs | 30.8 | 38.6 |
| Conformity Marking | | CE | CE |
| Approval Mark | | Ⓢ | Ⓢ |
| Protection Class I | | Ⓢ | Ⓢ |

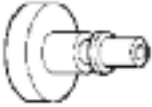
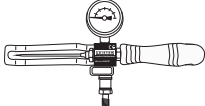

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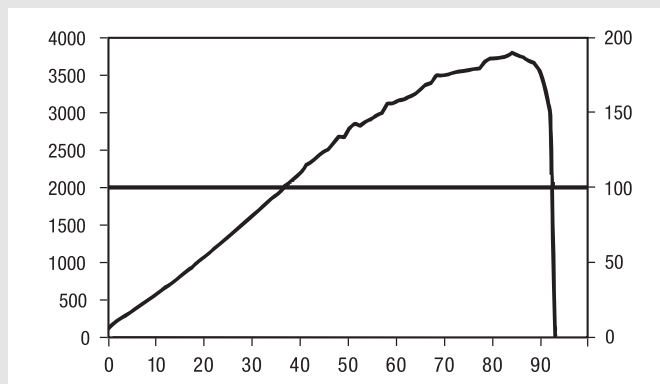
- 139.059 EXAMO 300F USB, 230 V / 200 W, incl. USB memory stick, Euro plug
 139.060 EXAMO 600F USB, 230 V / 200 W, incl. USB memory stick, Euro plug

Accessories EXAMO USB

| | | |
|---|----------------|---|
|  | 134.832 | Testing and calibration kit To test and calibrate your EXAMO USB |
|  | 113.005 | Jaws for geo textiles left |
| | 113.006 | right |

Testing devices

| | | |
|--|----------------|-------------------------------------|
|  | 106.950 | Welding fitting PE |
|  | 142.475 | Testing device with injector needle |
|  | 109.795 | Ø 12.6 inch vacuum bell |



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 13 lbs/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



- 13 lbs 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 | inch | ∅ 0.16 or ∅ 0.2 |
| Output | lbs/h | 8.6 – 13.2 |
| Size (L x W x H) | inch | 32.8 x 4.6 x 9.6 |
| Weight | lbs | 30.8 |
| Conformity Marking | | CE |
| Approval mark | | Ⓢ |
| Protection class I | | ⊕ |

Article No.:

134.318 Hand extruder WELDPLAST S6, 230V / 5300W, CEE 32A plug

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

Accessories WELDPLAST S6

| | | |
|--|--|---|
| | 119.217 119.222 | Welding shoe complete 2 x 1.6 x 1.5 inch blank welding shoe 2.8 x 2 x 1.9 inch blank welding shoe |
| | 119.190 135.901 | 1.4 inch overlap 1.6 inch overlap |
| | 119.197 119.198 119.199 | 0.8 V-seam and 1.4/1.6 inch X-seam 1.0 inch V-seam 1.2 inch V-seam |
| | 119.164 119.165 119.166 | 0.8 inch fillet weld (a = 0.55 inch) 1.0 inch fillet weld (a = 0.7 inch) 1.2 inch fillet weld (a = 0.83 inch) |
| | 144.905 | 45° angled adapter |
| | 145.705 | 90° angled adapter |
| | 117.055 | 1.4 inch preheating nozzle, large |
| | 136.859 | 2.0 inch preheating nozzle, XL large |
| | 117.790 | Side hot air guide |
| | 134.567 | 230 V / 2600 W heating element |
| | 144.095 | Welding rod de-reeler |



Ultra strong storage case
Article-No.: 116.367
(included with purchase)

WELDPLAST S4: The workmate.

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 | inch | ∅ 0.12 or ∅ 0.16 |
| Output | lbs/h | 4.9 – 8.8 |
| Size (L x W x H) | inch | 22 x 4.3 x 11.8 |
| Weight | lbs | 17.6 |
| Conformity Marking | | CE |
| Approval mark | | Ⓢ |
| Certification scheme | | CCA |
| Protection class I | | Ⓢ |

Article No.:

116.948 Hand extruder WELDPLAST S4, 230 V / 3680 W, with Euro plug

Included in delivery: WELDPLAST S4, blank welding shoe, preheating nozzle large, medium and small, storage case

Accessories WELDPLAST S6

| | | |
|--|----------------|---|
| | 119.217 | Welding shoe complete 0.2 x 1.6 x 1.5 inch blank welding shoe |
| | 119.222 | 2.8 x 2.0 x 1.9 inch blank welding shoe |
| | 119.194 | 0.3/0.4 V-seam and 0.6/0.8 inch X-seam |
| | 119.195 | 0.5 inch V-seam and 1.0 inch X-seam |
| | 119.196 | 0.6 inch V-seam and 1.2 inch X-seam |
| | 119.197 | 0.8 inch V-seam and 1.4/1.6 inch X-seam |
| | 119.198 | 1.0 inch V-seam |
| | 119.161 | 0.3 / 0.4 inch fillet weld (a = 0.3 inch) |
| | 119.163 | 0.6 inch fillet weld (a = 0.4 inch) |
| | 119.164 | 0.8 inch fillet weld (a = 0.55 inch) |
| | 119.165 | 1.0 inch fillet weld (a = 0.7 inch) |
| | 119.190 | 1.4 inch overlap |
| | 135.901 | 1.6 inch overlap |
| | 144.904 | 45° angled adapter |
| | 145.704 | 90° angled adapter |
| | 117.064 | Side hot air guide |
| | 117.065 | Top hot air guide |
| | 117.053 | 0.8 inch preheating nozzle, small |
| | 117.518 | 1.0 inch preheating nozzle, medium |
| | 141.177 | 1.4 inch preheating nozzle, large |
| | 118.804 | Tool rest |
| | 136.231 | Pre-heat reflector |
| | 109.984 | 230 V / 2200 W heating element |
| | 144.095 | Welding rod de-reeler |
| | 123.173 | Storage case (included with purchase) |

WELDPLAST S2: The master piece.

The WELDPLAST S2 is a compact, ergonomically designed workhorse. The handy size extruder puts out 4.4 lbs 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



- 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 |
| Welding rod | inch | ∅ 0.12 or ∅ 0.16 |
| Output ∅ 0.12 inch | lbs/h | PE: 1.3–2.9 PP: 1.1–2.65 |
| Output ∅ 0.16 inch | lbs/h | PE: 2.2–5.0 PP: 2.0–4.4 |
| Size (L × W × H) | inch | 17.7 × 3.9 × 10.2 |
| Weight | lbs | 12.8 |
| Conformity Marking | | CE |
| Approval mark | | Ⓢ |
| Certification scheme | | CCA |
| Protection class I | | Ⓢ |







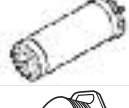


Article No.:

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

Accessories WELDPLAST S2

| | | |
|--|----------------|---|
|  | 131.451 | Device rest |
|  | 136.231 | Pre-heat reflector |
|  | 134.361 | Air filter set (included with purchase) |
| | 143.776 | Textile dust filter (not included with purchase) |

Accessories WELDPLAST S2 / S2 TPO

| | | |
|--|----------------|---|
|  | 118.094 | Welding shoe complete 2.0 × 1.2 × 1.5 inch blank welding shoe |
| | 119.214 | 2.8 × 2.0 × 1.9 inch blank welding shoe |
|  | 118.888 | 0.2 / 0.24 V-seam and 0.4 / 0.47 inch X-seam |
| | 118.889 | 0.3 / 0.4 V-seam and 0.6 / 0.8 inch X-seam |
| | 119.202 | 0.47 V-seam and 1.0 inch X-seam |
| | 119.203 | 0.6 V-seam and 1.2 inch X-seam |
| | 119.204 | 0.8 V-seam and 1.4 / 1.6 inch X-seam |
|  | 118.887 | 0.2 / 0.24 inch fillet weld (a = 0.17 inch) |
| | 118.885 | 0.3 / 0.4 inch fillet weld (a = 0.3 inch) |
| | 119.139 | 0.6 inch fillet weld (a = 0.4 inch) |
| | 119.140 | 0.8 inch fillet weld (a = 0.55 inch) |
|  | 129.008 | 0.8 inch corner, short |
| | 129.010 | 0.55 inch corner, long |
|  | 139.460 | 45° angled adapter |
|  | 139.461 | 90° angled adapter |
|  | 109.984 | 230 V / 2200 W heating element |
|  | 144.095 | Welding rod de-reeler |
|  | 119.540 | Storage case (included with purchase) |

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 8 lbs 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

| | inch | Version Ø 0.12 – 0.16 | | Version Ø 0.16 – 0.2 | |
|----------------------|-------|-----------------------|-----------|----------------------|-----------|
| Welding rod Ø | inch | 0.12 | 0.16 | 0.16 | 0.2 |
| Output PE | lbs/h | 4.4 – 5.5 | 5.9 – 7.9 | 4.6 – 5.7 | 5.9 – 7.9 |
| Output PP | lbs/h | 4.0 – 5.0 | 5.5 – 7.5 | 4.0 – 5.3 | 5.5 – 7.5 |
| Voltage | V~ | 230 | | | |
| Power | W | 3500 | | | |
| Material | | PE / PP | | | |
| Size (L x W x H) | inch | 26.4 x 3.5 x 7.1 | | | |
| Weight | lbs | 16 | | | |
| Conformity marking | | CE | | | |
| Approval mark | | S | | | |
| Certification scheme | | CCA | | | |
| Protection class II | | □ | | | |

Article No.:

118.300 FUSION 3, 230 V / 3500 W, welding rod Ø 0.12 – 0.16 inch, Euro plug
 144.615 FUSION 3, 230 V / 3500 W, welding rod Ø 0.16 – 0.2 inch, 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

| | inch | Version Ø 0.12 – 0.16 | | Version Ø 0.16 – 0.2 | |
|----------------------|-------|-----------------------|-----------|----------------------|-----------|
| Welding rod Ø | inch | 0.12 | 0.16 | 0.16 | 0.2 |
| Output PE | lbs/h | 4.4 – 5.5 | 5.9 – 7.9 | 4.6 – 5.7 | 5.9 – 7.9 |
| Output PP | lbs/h | 4.0 – 5.0 | 5.5 – 7.5 | 4.0 – 5.3 | 5.5 – 7.5 |
| Voltage | V~ | 230 | | | |
| Power | W | 2800 | | | |
| Material | | PE / PP | | | |
| Size (L x W x H) | inch | 23.2 x 3.9 x 8.9 | | | |
| Weight | lbs | 15.2 | | | |
| Conformity marking | | CE | | | |
| Approval mark | | S | | | |
| Certification scheme | | CCA | | | |
| Protection class II | | □ | | | |

Article No.:

123.866 FUSION 3C, 230 V / 2800 W, welding rod Ø 0.12 – 0.16 inch, Euro plug
 144.826 FUSION 3C, 230 V / 2800 W, welding rod Ø 0.16 – 0.2 inch, Euro plug
 Included with purchase: FUSION 3C, raw welding shoe, storage case










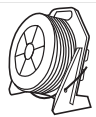

➔ Accessories page 70

➔ Accessories page 70



The FUSION 3 C for comfortable working in awkward positions.

Accessories FUSION 3 / FUSION 3C

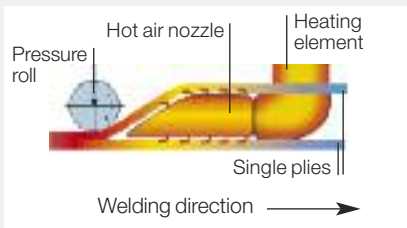
| | | |
|---|----------------|--|
|  | 118.094 | 2.0 × 1.2 × 1.5 inch blank welding shoe |
| | 119.214 | 2.8 × 2.0 × 1.9 inch blank welding shoe |
|  | 118.889 | 0.3 / 0.4 V-seam and 0.6 / 0.8 inch X-seam |
| | 119.202 | 0.47 V seam and 1.0 inch X-seam |
| | 119.203 | 0.6 V-seam and 1.2 inch X-seam |
| | 119.204 | 0.8 V-seam and 1.4 / 1.6 inch X-seam |
| | 119.205 | 1.0 inch V-seam |
|  | 118.885 | 0.3 / 0.4 inch fillet weld (a = 0.3 inch) |
| | 119.139 | 0.6 inch fillet weld (a = 0.4 inch) |
| | 119.140 | 0.8 inch fillet weld (a = 0.55 inch) |
| | 119.141 | 1.0 inch fillet weld (a = 0.7 inch) |
|  | 118.890 | 1.0 inch overlap |
| | 119.185 | 1.4 inch overlap |
|  | 129.008 | 0.8 inch corner, short |
| | 129.010 | 0.55 inch corner, long |
|  | 136.231 | Pre-heat reflector |
|  | 118.804 | Tool rest |
|  | 135.082 | Air filter FUSION 3C |
|  | 113.268 | 230 V / 1100 + 1100 W heating element for FUSION 3 |
| | 123.561 | 230 V / 1750 W heating element for FUSION 3C |
|  | 144.095 | Welding rod de-reeler |
|  | 123.173 | Storage case for FUSION 3 |
| | 119.540 | Storage case for FUSION 3C |

Storage case for FUSION 3C. (included with purchase)



Welding technologies for welders in Civil Engineering / Tunneling / Landfills

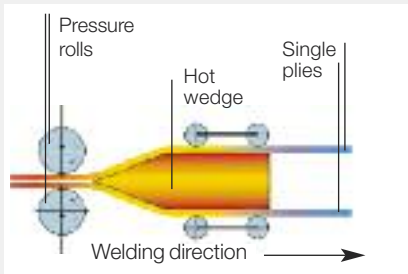
Hot air welding



Heating by hot air

- TRIAC DRIVE

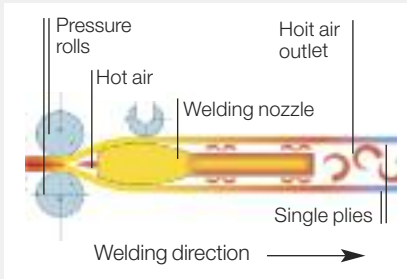
Hotwedge welding



Heating by electrically heated wedge

- ASTRO
- ASTRO USB
- COMET
- COMET USB





Combiwedge welding



Heating by hot air and hotwedge

- TWINNY T
- TWINNY T USB
- TWINNY S

Hot air tools for Civil Engineering / Tunneling / Landfills

| | | |
|---|--------------------------|-------------------------|
|  | TRIAC S Accessories | 11 16 / 17 / 18 |
|  | TRIAC AT Accessories | 12 / 13 16 / 17 / 18 |
|  | HOT JET S Accessories | 20 20 / 21 |
|  | ELECTRON Accessories | 24 24 / 25 |
| General accessories for Civil Engineering / Tunneling / Landfills | | 34 |