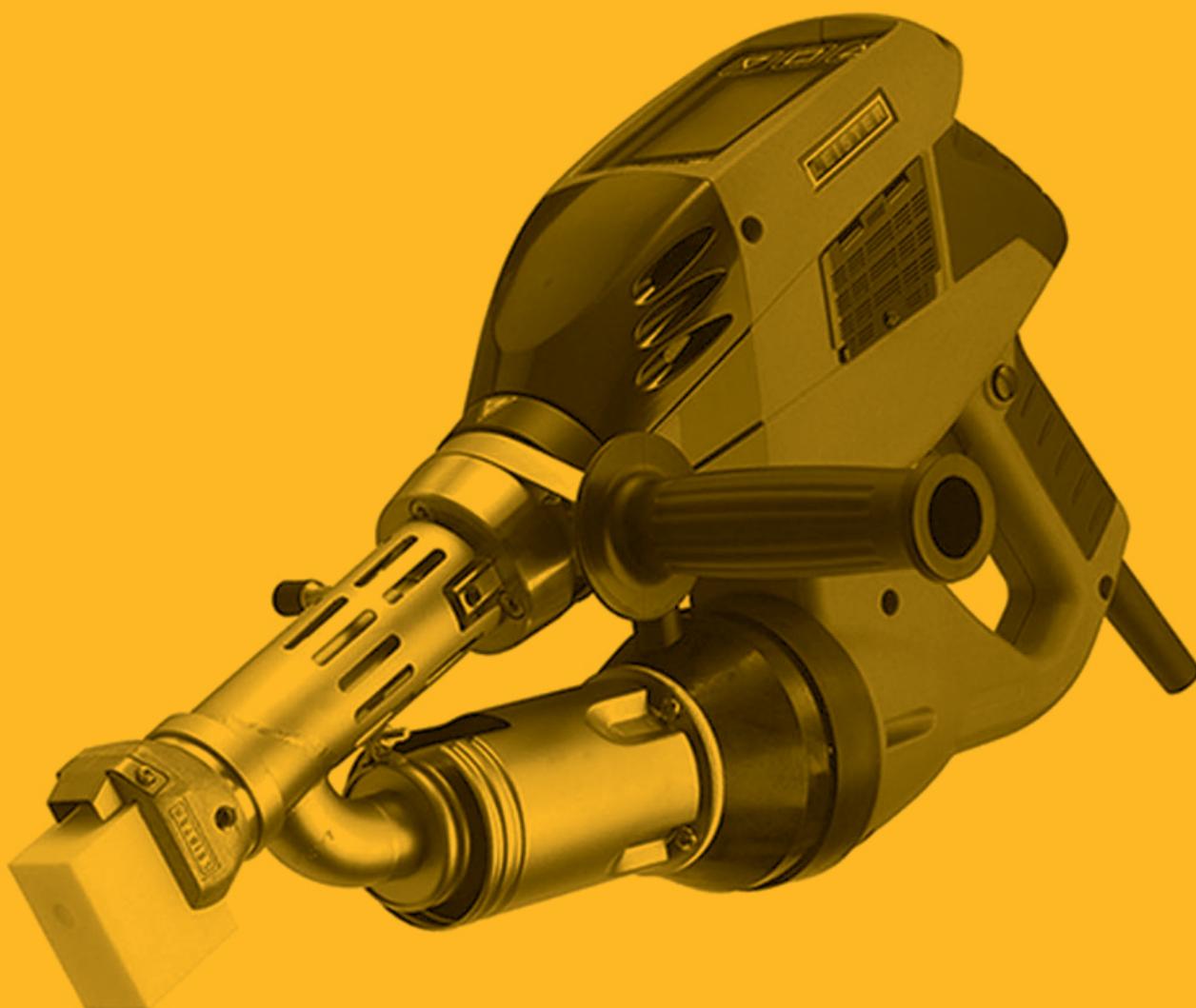


# GENERAL MACHINES & ACCESSORIES



Support equipment for polyethylene pipe and fittings fusion including extrusion welding, sheet welding, data logging and accessories.

- **EXTRUSION WELDING**
- **SHEET WELDING**
- **DATA LOGGING**
- **ACCESSORIES**



## Weldplast S2

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.

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

### TECHNICAL SPECIFICATIONS

Voltage - 230V

Power - 3000W

Welding rod - 3-4mm

Output PE 3mm - 0.6-1.3 kg/h, 4mm - 1.0-2.3 kg/h

Output PP 3mm - 0.5-1.2 kg/h, 4mm - 1.0-2.3 kg/h

Packed size (L x W x H) - 70 x 45 x 19cm

Packed weight - 8kg



## Fusion 2

At 450 mm, it is the shortest in its performance class, and as a result of its extremely compact design and rotatable handle, the Fusion 2 is specially suited for tight spaces.

- Very compact and easy to handle with a maximum output rate of 1.8 kg/h
- Robust design (suitable for construction site use)
- Stepless adjustment of preheating temperature and output rate
- Output regulation during welding possible
- Motor starting protection protects the device against cold-starts
- 360° rotatable welding shoe, 180° rotatable handle
- Twist-free rod feed

### TECHNICAL SPECIFICATIONS

Voltage - 230V

Power - 2800W

Welding rod - 4 mm

Output PE 4mm - 1.3-1.8 kg/h

Output PP 4mm - 1.3-1.8 kg/h

Packed size (L x W x H) - 70 x 20 x 45cm

Packed weight - 7.5kg



## Fusion 3

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

- Two versions available: 3-4mm or 4-5mm
- High welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Dual-sided twist-free wire intake
- 360 degrees rotatable welding shoe

### TECHNICAL SPECIFICATIONS

Voltage - 230V

Power - 3500W

Welding rod - 3-4mm or 4-5mm. Must specify which version is required upon order

3-4mm version:

Output PE 3mm - 2.0–2.5 kg/h, 4mm - 2.7–3.6 kg/h

Output PP 3mm - 1.8–2.3 kg/h, 4mm - 2.5–3.4 kg/h

4-5mm version:

Output PE 4mm - 2.1–2.6 kg/h, 5mm - 2.7–3.6 kg/h

Output PP 4mm - 1.8–2.4 kg/h, 5mm - 2.5–3.4 kg/h

Size (L x W x H) - 67 x 9 x 18cm

Weight - 7.2kg



## Fusion 3C

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

- Two versions available: 3-4mm or 4-5mm
- High welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Dual-sided twist-free wire intake
- 360° rotatable welding shoe

### TECHNICAL SPECIFICATIONS

Voltage - 230V

Power - 3500W

Welding rod - 3-4mm or 4-5mm. Must specify which version is required upon order

Output PE 3mm - 2.0–2.5 kg/h, 4mm - 2.7–3.6 kg/h

Output PP 3mm - 1.8–2.3 kg/h, 4mm - 2.5–3.4 kg/h

Output PE 4mm - 2.1–2.6 kg/h, 5mm - 2.7–3.6 kg/h

Output PP 4mm - 1.8–2.4 kg/h, 5mm - 2.5–3.4 kg/h

Size (L x W x H) - 58.8 x 9.8 x 22.5cm

Weight - 6.9kg

Must specify if the 3-4mm or 4-5mm version is required upon order



Made in Switzerland

### ASTRO

The ASTRO is used all over the world. Welding up to five meters per minute, their robust design and easy handling make it the perfect workhorse.

- Simple operation
- Digital display
- One-handle operation
- Pendulum head
- Pressure sensor

#### TECHNICAL SPECIFICATIONS

Voltage - 230V

Frequency - 50/60Hz

Power Consumption - 1.8Kw

Temperature - 20-420C

Speed - 0.8-5.0 m/min

Welding pressure - 100-1500N

Welding seam width - 2 x 15mm, with test channel

Material thickness - 1.5-3.0mm

Size (L x W x H) - 430 x 270 x 310mm

Weight - 23kg



Made in Switzerland

### COMET

This compact, heavy-duty welding machine is in use all over the world, and for good reason; the small and easy to use powerhouse is specially designed for the demands of landfill sites, mines and tunnels.

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

#### TECHNICAL SPECIFICATIONS

Voltage - 230V

Frequency - 50/60Hz

Power Consumption - 1.850/1.5/1.2Kw

Temperature - 20-420C

Max. overlap - 125mm

Speed - 0.8-3.2 m/min

Welding pressure - 100-1000N

Welding seam width - 2 x 15, with test channel

Material thickness - 0.5-3.0mm

Size (L x W x H) - 295 x 250 x 245mm

Weight - 7.5kg



### SPG 2.0 Data Logger

The SPG 2.0 data logger is made for easy and safe welding process control, and report generation pursuant to ISO 12176 standard.

The control software ships with configurations for many third-party systems already installed, meaning the logger constitutes as an upgrade for manually operated welding machines to achieve ISO-compliant recording, error handling, and welding process control.

At every step in the welding process, the SPG 2.0 indicates the nominal and the actual values of the welding pressures and times, to walk the welder operating the hydraulic unit easily and correctly through the process.

The unit thereby achieves the optimum welding process, in line with nationally applicable standards, as affecting both heating element temperatures and welding pressures and times.

#### TECHNICAL SPECIFICATIONS

Automatic data logging of 10,000 weld reports, output to USB and printing to Excel

Report generation pursuant to ISO 12176 standard

Constitutes as an upgrade for manually operated welding machines to achieve ISO-compliant recording and welding process control

Technical specifications may change without notice



### WPD DataMaster

A Data Logger for fast, accurate monitoring and recording of weld values under DVS and POP003 both low and high pressure welding. The Data Logger can be universally used with any Worldpoly butt-welding machine and with all hydraulically operated machines. It is possible to capture all the data needed to evaluate the quality of a welding operation (including plate temperature) and to transfer them to a printer or a PC. Memory holds up to 1000 weld cycles, and provides a good weld / bad weld advice for each weld.

#### TECHNICAL SPECIFICATIONS

Programmed for DVS & ISO welding standards

Input Voltage 100 volts - 260 volts, Input frequency 40-80Hz

Box Protection IP54

Report capacity: 1000 welding operations

Multilingual menus and reports

Pressure sensor 100 bars or 250 bars, as selected

Convenient carry case

Technical specifications may change without notice



### PolyRoller1000

Australian made adjustable pipe roller stands with a capacity of 50 to 1000mm OD PE pipe.

The height adjustment is based on a chain fixed to the bottom of each arm, and height can be adjusted from 200mm to 1000mm off the ground.

SWL is 1000kg per stand.

#### TECHNICAL SPECIFICATIONS

Australian made

Safe working load 1000kg per stand

Capacity 50 to 1000mm

Weight 25kg per stand, including chain

Specifications are subject to change without notice. Please confirm at time of order.



### PolySling 500, 1000 & 1200

Australian Made 5 roller sling.

Available in 3 sizes:

- 100 - 500mm
- 315 - 1000mm
- 50 - 1200mm

All have a SWL of 3000kg.

The sling is supplied tested and tagged with a safe working load.

#### TECHNICAL SPECIFICATIONS

Australian made

Available in 500mm, 1000mm and 1200mm sizes

Wire capacity of 3000kg

Load tested & certified

Specifications are subject to change without notice. Please confirm at time of order.



### SqueezeOff32, 63, 90 & 125

These tools have been designed to restrict the flow of gas or water in a plastic pipe, while a repair is carried out. They squeeze the pipe down to a set amount, as defined in the UK National Grid specification GIS/PL2-7.

To ensure the pipe is not damaged during operation, the tool is fitted with rotatable profiles that set the correct gap.

The tools are manufactured from steel to ensure reliable operation under harsh operating conditions.

The pipe is squeezed shut by two parallel bars, the top bar being moved by a manual operation tee handle, the bottom bar being removable to allow easier access for the pipe.

#### TECHNICAL SPECIFICATIONS

SqueezeOff32 operating range: 16mm to 32mm

SqueezeOff63 operating range: 20mm to 63mm

SqueezeOff90 operating range: 55mm to 90mm

SqueezeOff125 operating range: 63mm to 125mm

Operating type: Manual

Approvals UK: GIS/PL2-7

Size: From 28 x 29 x 6cm (SqueezeOff32) to 35 x 41 x 7 cm (SqueezeOff125)

Weight: From 4.5kg(SqueezeOff32) to 9.5kg (SqueezeOff125)



### ButtWipe

ButtWipes assist with the necessary preparation of equipment surfaces and pipe ends, in order to ensure freedom from contaminants as is necessary for a successful welding process in both butt & electrofusion welding.

1 tub of ButtWipes contains 75 wipes with a >92% Isopropyl Alcohol content.

For use on pipes only, not humans.



### External Debeader DE125, 400, 500 & 900

These tools have been designed to remove the external bead from a butt-fusion welded joint. The tool knocks on to the pipe bead, then alignment blocks slide against the pipe surface to guide it around the pipe. They have a blade that cuts under the bead, but does not damage the surface of the pipe. A handle helps pull the tool around the pipe, cutting the bead away. The tools are available in four sizes: 125mm, 400mm, 500mm and 900mm.

These tools are fully approved to the UK National Grid specifications GIS/PL2-5 and have been accepted for use on their gas networks and pipes.

#### TECHNICAL SPECIFICATIONS

Available in sizes to debead up to 125, 400, 500 & 900mm OD PE or PP pipe

Operating type: Manual

Approvals: UK GIS PL-2.5

Operating Temperature: -40°C to +50°C

Tool materials: Steel

Tool finish: Bright Zinc plate



### PipeSecateur75

This tool has been designed to quickly and precisely cut PE or PP pipe before the electrofusion process takes place, and works with pipes from 16mm to 75mm diameter.

#### TECHNICAL SPECIFICATIONS

Operating range: 16mm to 75mm

Operating type: Secateurs

Size: 47cm x 17cm x 3cm

Weight: 1.7kg



### Internal Debeader 90-450mm & 500-630mm

Manual bead removing equipment for internal beads from 590-450mm or 500mm to 630 mm. The internal debeader is used for removing the weld bead in PE and PP plastic pipe after a butt weld has been completed.

To use the unit, the internal debeader must be assembled to the correct diameter and inserted into the pipe. It is then pushed toward the bead until the operator feels a "bump", at which point the handle is turned clockwise 360 degrees, and then removed (along with the bead) from the pipe.

Note that debeading must be completed within the first 1/3 of the weld cooling time.

#### TECHNICAL SPECIFICATIONS

Options available:

##### 90 - 450mm model

90 to 110mm OD (70 to 105mm ID)

125 to 160mm OD (105 to 145mm ID)

160 to 200mm OD (135 to 190mm ID)

225 to 280mm OD (181 to 266mm ID)

315 to 450mm OD (265 to 420mm ID)

##### 500 - 710mm model

500 to 630 mm OD

630 to 710mm OD

Above 710mm on request

Made in Denmark

Please note technical specifications of Worldpoly machines may change without notice