

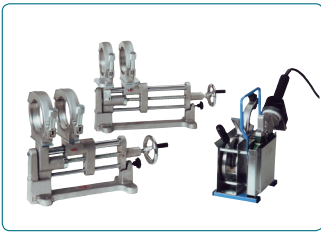
**auro:**



**WIDOS**

**WELDING MACHINES**

**PRODUCT OVERVIEW**



### Miniplast 2

Welding machine for the heating element butt welding of pipes and fittings out of PE, PP and PVDF from OD 20 up to OD 110.

Also available as extended version for T-piece fabrication and optionally with electrical planer.



### Maxiplast

Welding machine for the heating element butt welding of pipes and fittings out of PE, PP and PVDF from OD 50 up to OD 160 (6" IPS).



### WIDOS 4400 - 4900

Welding machines for the heating element butt welding of pipes and fittings out of PE, PP and PVDF from OD 50 up to OD 315 (14" IPS), SDR values according to the hydraulic unit. Appropriate for the operation on building sites and in the trench.

The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version.

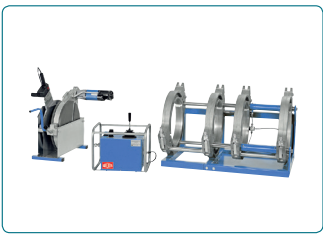


### WIDOS Weld It 315 steel version

Solid welding machine in steel version for the heating element butt welding of PE-, PP- and PVDF pipes as well as fittings from OD 90 up to OD 315.

The basic machine is made of steel. However, the weight is relatively low due to the modern sheet steel construction.

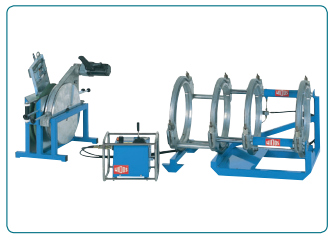
Despite the slim optics, the basic machine is very stable and extremely torsion-free.



**WIDOS 4911**

Solid welding machine for heating element-butt welding of PE, PP and PVDF pipes as well as fittings from OD 90 (3" IPS) up to OD 355 (14" IPS).

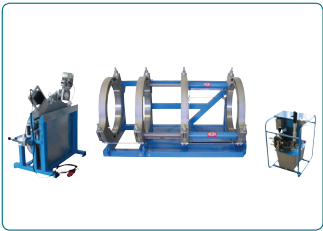
The WIDOS 4911 machines are suitable for metric or inch applications. In comparison to the WIDOS 4900, the clamping rings and the frames have been considerably reinforced. The upper clamping shells may be hinged. The welding stroke has been extended to appr. 300 mm.



**WIDOS 5100 - 6100**

Welding machines for the heating element butt welding of pipes and fittings out of PE, PP and PVDF from OD 200 up to OD 630, SDR values according to the hydraulic unit. Appropriate for the operation on building sites and in the trench.

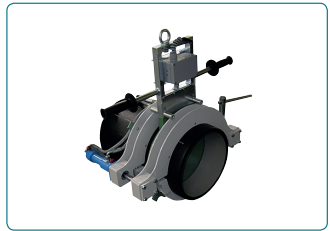
The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version.



**WIDOS 6113**

Solid welding machine for the heating element-butt welding of PE, PP and PVDF pipes as well as fittings from OD 315 (12" IPS) up to OD 630 (24" IPS).

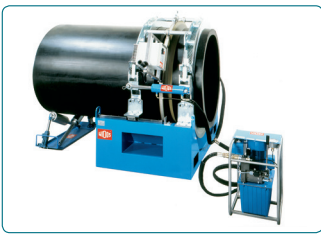
The WIDOS 6113 machines are suitable for metric or inch applications. In comparison to the WIDOS 6100, the clamping rings and the frames have been considerably reinforced. The upper clamping shells may be hinged. The welding stroke has been extended to appr. 410 mm.



**WIDOS HRG 3-4**

Light, solid welding machines for the heating element butt welding of pipes and fittings out of PE and PP from OD 200 up to OD 450.

The machine geometric sizes are reduced to the absolute minimum and the machine itself is especially optimized in handling to allow a safe clamping and joining even with a gap of just 50 mm between working piece and ambient walls.

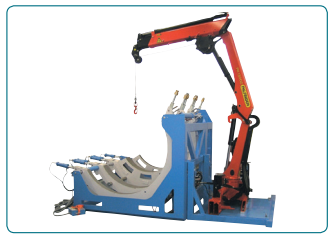


**WIDOS HRG 6-18**

Light, solid welding machines for the heating element butt welding of pipes and fittings out of PE and PP from OD 315 up to OD 1800.

With easy locks the welding machine can be dismantled into light pieces in no time.

For fabricating segmented bends it is possible to swivel the clamping rings in the subconstruction very easily.



**WIDOS 6100-26000**

Welding machines in steel version for the heating element butt welding of pipes and fittings out of PE and PP from OD 315 up to OD 2600, SDR values according to the hydraulic unit. Appropriate for the operation on building sites and in the trench. A lifting device for all models is available in order to easily insert and take out the heating element resp. planer. The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version.



**WIDOS 6100-25000 mobile**

Mobile welding machines in steel version for the heating element butt welding of pipes and fittings out of PE and PP from OD 315 up to OD 2500, SDR values according to the hydraulic unit. Appropriate for the operation on building sites and in the trench. A lifting device for all models is available in order to easily insert and take out the heating element resp. planer. The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version.



**WIDOS WI-CNC® 1.1/1.3**

The WI-CNC® 1.1 / 1.3 is a completely redeveloped control unit facilitating the welding process once again.

The use of high-quality components with guaranteed service friendliness - paired with the legendary WIDOS product expertise - results in a longlife and future-proof hydraulic control unit fulfilling the highest demands in profitability.

Suitable it is for the basic machine models WIDOS 4400 up to WIDOS 6100 and thus covers pipe diameters from OD 50 up to OD 630.



**WIDOS CNC 3.0/3.5**

Control unit, absolutely approved in the tough daily operation and convincing by its operator convenience and mature software. The memory permits the recording of more than 30,000 weldings; the data entry is done via barcode reading pen. It can be combined with all building site as well as workshop and special welding machines.



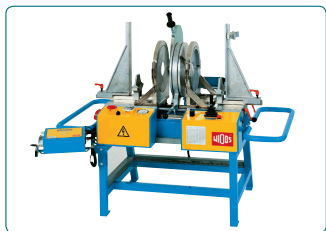
**WIDOS SPA 600**

The weld log recording device serves to a simple weld logging, can be combined with all welding machines and has easy user guidance.



**WIDOS 2500**

Welding machines for the heating element butt welding of pipes and fittings out of PE, PP and PVDF from OD 50 up to max. OD 315. Available in version OD 160, OD 250 and OD 315 as well as in a combined version for the butt and socket welding. Appropriate for the operation on building sites and in the workshop. Conversion kits are also available for the fabrication of T-pieces 45°, 60° and 90°. Additionally available in reinforced version (300 daN).



**WIDOS 4002/4001**

Manual welding machines for the heating element butt welding of pipes and fittings out of PE, PP and PVDF from OD 90 up to OD 315, extended up to OD 450 by a conversion kit. Also appropriate for the fabrication of T-pieces 45°, 60° and 90° and cross-pieces. The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version (only WIDOS 4002).



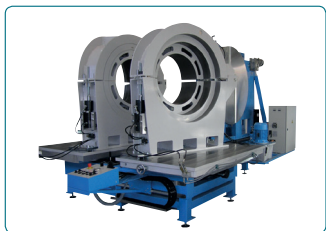
**WIDOS 5000 WM**

Manual welding machine for the heating element butt welding of pipes and fittings out of PE, PP and PVDF from OD 160 up to OD 500. Also appropriate for the fabrication of T-pieces 45°, 60° and 90° and cross-pieces. The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version.



**WIDOS 7000 WM**

Manual welding machine for the heating element butt welding of pipes and fittings out of PE and PP from OD 200 up to OD 630. On request available up to OD 800. Also appropriate for the fabrication of T-pieces 45°, 60° and 90° and cross-pieces (up to OD 630). The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version.



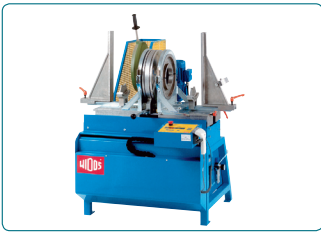
**WIDOS 12000 WM**

Manual welding machine for the heating element butt welding of pipes and fittings out of PE and PP from OD 500 up to OD 1200. Also appropriate for the fabrication of T-pieces 45°, 60° and 90° and cross-pieces. The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version.



**WIDOS 16000/20000/24000 WM**

Manual welding machines for the heating element butt welding of pipes and fittings out of PE and PP from OD 800 up to OD 2400. Also appropriate for the fabrication of T-pieces 45°, 60° and 90° and cross-pieces. The welding machines can easily be retrofitted with the SPA weld log recorder and are also available in CNC controlled version.



### **WIDOS Servo driven machines**

Servo controlled welding machines for the heating element butt welding of pipes and fittings out of PE, PP, PVDF and PVC from OD 90 up to OD 1200 for the economic fabrication of fittings, bends, T- and cross-pieces of the highest quality. The machines are controlled by the WIDOS CNC 3.0 control unit that permits an exact fabrication as well as logging of the weldings.



### **WIDOS Electro socket welding machines ESI 4000/2000**

Building site suitable electro socket welding machine for pipes and fittings of all kind, including weld logging and welding data entry via barcode or manually. On request, a quadruple holding device can be supplied for the fixing of pipes and electro sockets during welding and cooling.



### **WIDOS Socket heating elements**

Available with electronic resp. thermostatic temperature control for the reception of anti-stick coated heating spigots and sockets from OD 20 up to OD 125 (depending on model). Various holders are available for the reception on the building site resp. in the workshop.



### **Service**

Maintenance of WIDOS plastic welding machines according to DVS. According to the DVS (German Welding Association) it is very recommendable to have your plastic welding equipment maintained and checked once a year. A large part of our welding equipment including accessories can also be made available on rental basis at short notice.

# **auro:austria**<sup>GmbH</sup>

## **AURO Austria GmbH** Your WIDOS service partner in Europa

AURO Austria GmbH is engaged as wholesaler with the distribution of pipes, fittings and valves made of plastic such as PP, PE, PVC, PVDF and ECTFE.

AURO Austria GmbH is always the right business partner for welding machines, gas-, water and waste water supply, ventilation technology, tank construction, concrete protection and lining systems for industry or retail.

With our four office branches in Austria, Hungary, Czech Republic and Bulgaria we are only a small leap away from you.

# **auro**

- SALES
- SERVICE
- RENTALS

## **WIDOS WELDING MACHINES**

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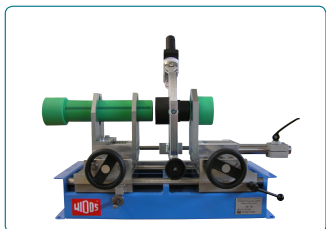
**WIDOS 7511**

Welding machine for the heating element socket welding of pipes and fittings out of PE, PP, PB and PVDF from OD 20 up to OD 75.



**WIDOS 3511**

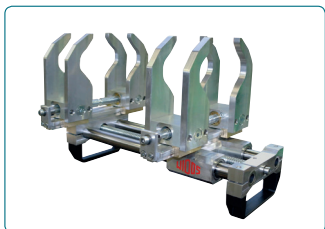
Welding machine for the heating element socket welding of pipes and fittings out of PE, PP, PB and PVDF from OD 20 up to OD 125.



**WIDOS 35XX**

Welding machine for the heating element socket welding of pipes and fittings out of PE, PP and PVDF from OD 20 up to OD 125.

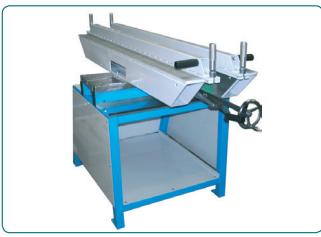
This makes the machine version usable universally for all fittings and almost independent from all norms.



**WIDOS JIG**

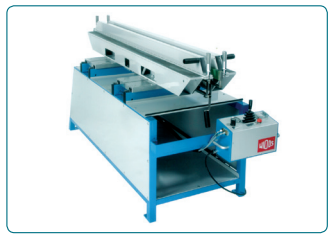
The WIDOS traction tool „JIG“ has been developed for being used on site.

It is destined for the heating element socket welding of pipes and fittings out of PE, PP and PVDF for the outer diameters from 63 up to 170 mm.



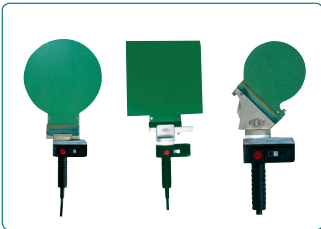
**WIDOS PSM 10/PSM 15**

Manual sheet welding machines for the processing of sheets and boards of all common thermoplastics with a length of max. 1500 mm and a thickness of max. 20 mm for full wall sheets resp. for twin-wall sheets of up to 60 mm. Optionally, the machine is available with clamping beams for the welding of angles up to 90°.



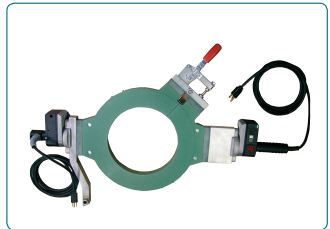
**WIDOS PSM 20**

Manual sheet welding machine for the processing of sheets and boards of all common thermoplastics with a length of max. 2000 mm and a thickness of max. 20 mm for full wall sheets resp. for twin-wall sheets of up to 60 mm. Optionally, the machine is available with clamping beams for the welding of angles up to 90°.



**WIDOS Hand-held heating tools**

Available in round resp. rectangular version with electronic resp. thermostatic temperature control and anti-stick coating. Various holders are available for the reception on the building site.



**WIDOS Split hand-held heating tools**

Available in anti-stick coated version containing two control devices within the handles as well as two connecting cables, or as machine heating element with two control devices within the basic machine.



**WIDOS 2500 S CNC**

Standard production cells with fully automatic processing cycle on the basis of different welding technologies like infrared, heating element butt or socket welding. Entire machine casing for the operator's safety with integrated electronic system.



**WIDOS 2500 P SPS**

The welding machine type WIDOS 2500 P SPS is especially made for highest flexibility and feature a compact design for the serial production of welding pieces in each field of application.



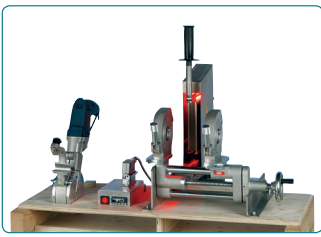
**WIDOS  
Serial welding machines**

Fully automatic machine solutions for the serial production of large units with mature technology. Equipped e.g. with rotary table technology for nested working processes.



**WIDOS Saddle welding machines  
ASM 160/315/1200**

Manual welding machines for the heating element butt-on welding of reduced T-pieces out of PE and PP pipes of the highest quality with main pipe up to OD 1200 and branch pipe up to OD 630.



### **WIDOS Miniplast IR**

Infrared welding machine for the touchless welding on the basis of infrared radiation and for the heating element butt welding of plastic pipes and fittings of all kind from OD 20 up to OD 110.



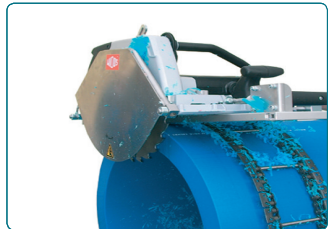
### **Extended Service**

- individual consulting and requirements analysis
- test weldings
- training in different areas of plastic welding technology
- repair training
- machine instructions at home and abroad
- sale of used machines
- research studies (e.g. in cooperation with the SKZ)



### **WIDOS Rotating circular saws**

For the rectangular cutting of plastic pipes, available as model 315 from OD 110 up to OD 315 and as model 500 from OD 180 up to OD 500. The device is light and portable.



### **WIDOS Motorized manual circular saws**

For the rectangular cutting of plastic pipes, consisting of a motorized manual circular saw with guiding carriage and tensioning chains for the respective pipe diameter. The tensioning chains are available from OD 500 up to OD 3500. The cutting depth is appr. 60 mm resp. 110 mm. The simple handling and optimal safety makes the saw indispensable on the building site.



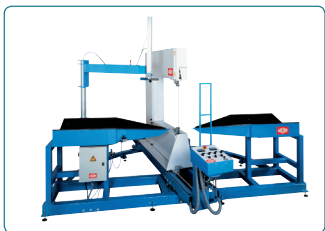
**WIDOS mobile chop saw**

Chain saw as mobile chop saw for the rectangular cutting of plastic pipes on the building site. Appropriate for pressure pipes up to OD 2000 mm depending on the sword length.



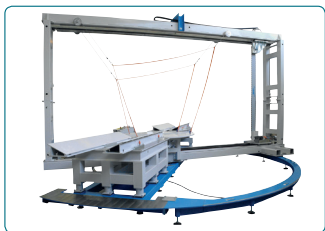
**WIDOS Sawing system 315**

Sawing system for plastic pipes up to OD 315 in a closed modern steel construction. The saw frame can be bilaterally swivelled by at least  $45^\circ$  resp.  $67,5^\circ$  for the bevelling of pipes. As an option, it is available with a line laser in order to indicate the later cutting course as well as pneumatic pipe clamping and can be retrofitted for radial cuts.



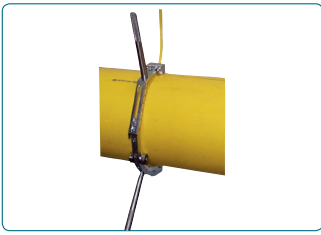
**WIDOS  
RS 630/800/1000/1200**

Special band saw installations, developed for the exact cutting of plastic pipes from  $-45^\circ$  up to  $67,5^\circ$  for high demands. Extremely solid welding construction for operation with low vibration. Extensive accessories like pneumatic pipe clamping, motorized travel, laser marking or a rebuilding kit for radial cuts available.



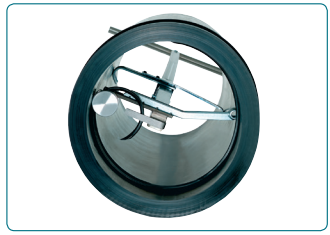
**WIDOS  
RSC 1200/1600/2000/2400**

Special automatized chain saw installations, developed for the exact cutting of plastic pipes up to OD 2400 for high demands. Extremely solid welding construction for operation with low vibration and especially appropriate for heavy pipes with large wall thicknesses. Extensive accessories like electric pipe clamping, passive or driven roller conveyor, chip evacuation by vacuum and protective fence available.



### WIDOS Outside debeaders

Ultra-light and solid device for a safe, simple and economic removing of outside beads after butt welding. Available in 7 different sizes from OD 110 up to OD 1200. Smaller versions are also available from OD 20 up to OD 90.



### WIDOS Inside debeaders

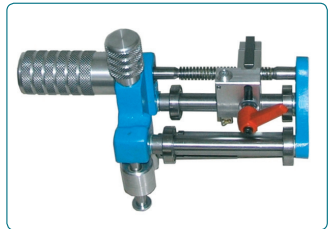
Available for pipes with an inner diameter from ID 90 up to ID 500. The insertion depth is max. 20 m, surface sensors to scan the inner pipe walls prevent a cutting into the basic material.



### WIDOS Rollerstands

Robust and simple rollerstands that are insensitive to dirt for the optimal alignment of the pipes on site and for the reduction of the movement forces.

5 different types of rollerstands with load capacities from 500 kg up to 2000 kg and hydraulic vertical adjustment are available.



### Tools & Accessories

- Pipe peeling tools
- Pipe squeezing device 63
- Deburrer with special blade
- Pipe shears
- Pipe cutter
- Pipe chamfering devices
- Manual scraper
- Quadruple holding device
- Temperature measuring device
- Timekeeper
- Pipe cleansing cloths