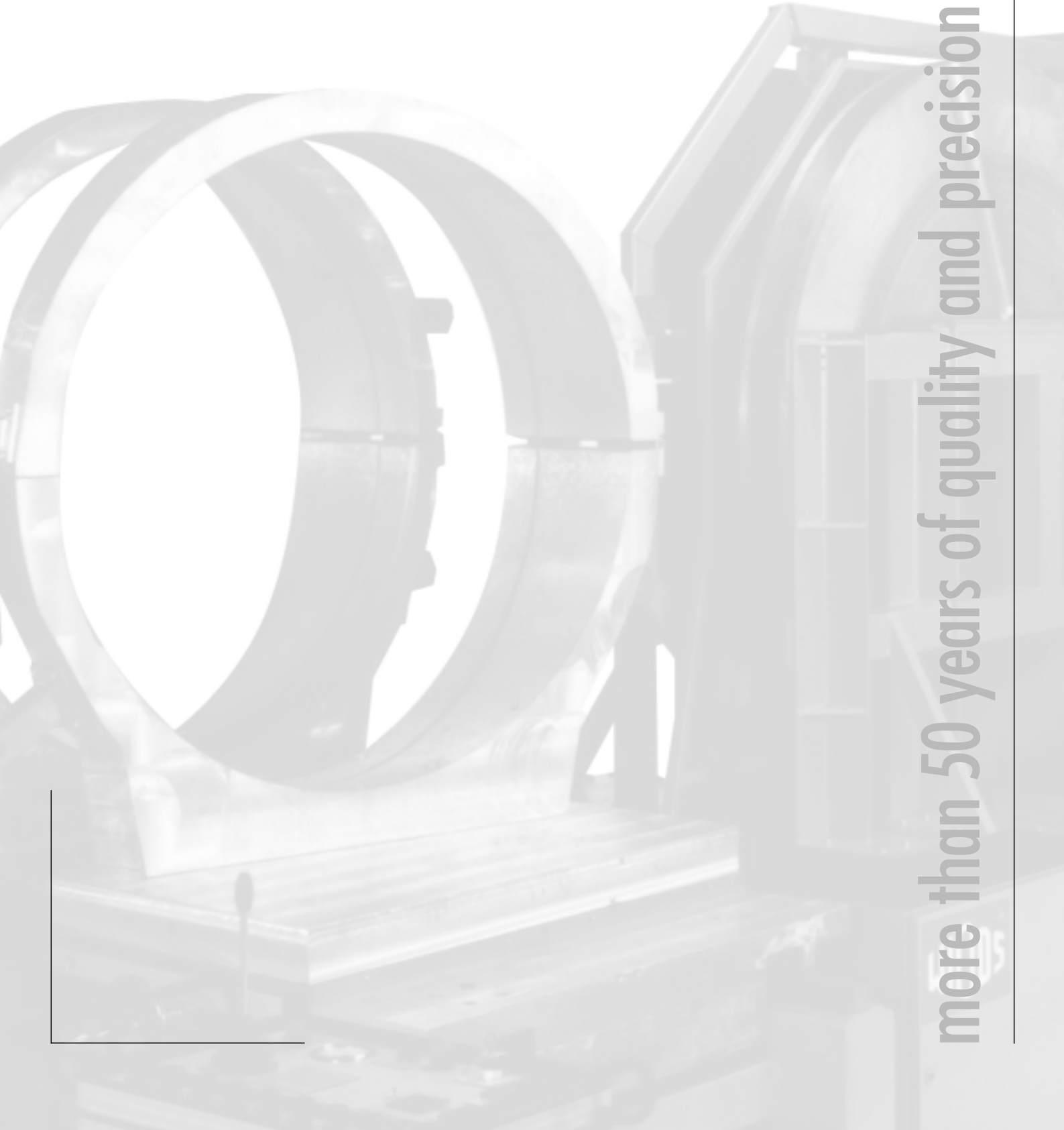


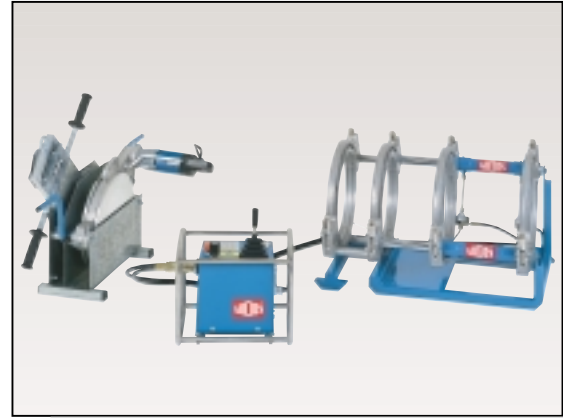


Plastic Welding Technology

more than 50 years of quality and precision



Excerpt from our product range for plastic welding.



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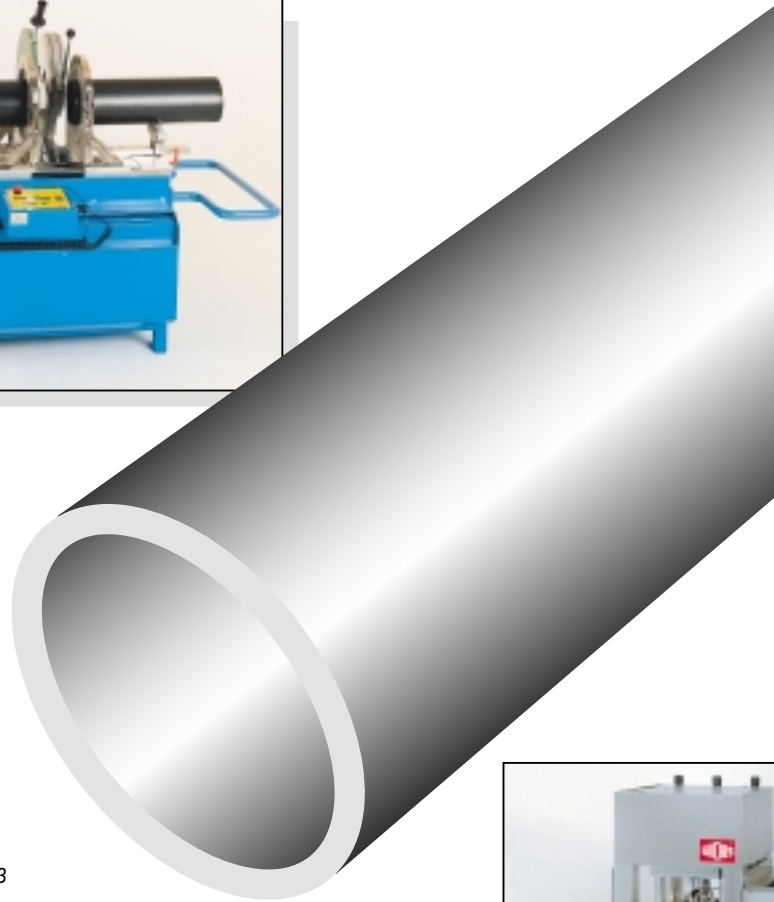
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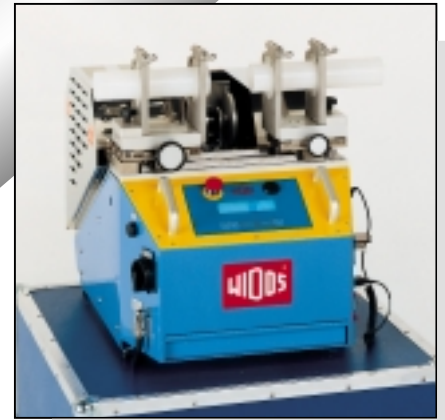
specialized welding machines



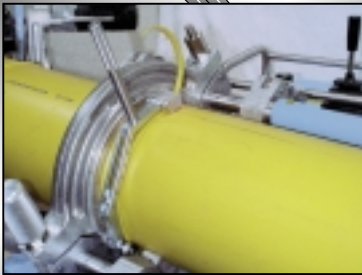
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WIDOS welding machine Miniplast 2

The MINIPLAST 2 is a welding machine for the heating element butt welding of PE, PP and PVDF pipes and fittings from OD 20 to OD 110 mm. The basic machine has two large aluminium basic clamping tools which are swivelling 15° on each side for the fabrication of segmented bends. By screwing in 4 small reduction clamping inserts, a double clamping is obtained at the smaller diameters. For fittings with short legs, a small fitting clamping tool is available. Due to the special construction of the pressure build-up device, the machine can be fixed directly at very short pipe ends on walls and sheets. Due to its light and compact construction, the machine is ideally suited for use in the pipeline system and for assembly work. In the case of stationary use, the machine can be fixed in the vice or at the table support. In addition, an extended version for the fabrication of T-pie-

ces and elbows 90° (up to OD 90 mm) is available. On both sides, each basic clamping tool can be swivelled up to 45°. This basic machine is vertically and horizontally adjustable. The light and compact manual face cutter is operated by means of a ratchet. The electronically adjusted heating element in accordance with DVS 2208 (230 V/600 W) has a diameter of ≈120 mm, an anti-stick coating and control lamps for system and interval checking. For the safe storage of the face cutter and the heating element, a heat-protected box is available. The sheet steel carrying case serves for the transport and the protected storage on the complete MINIPLAST 2. Also available: versions in 110 V, °F or with lbs-force-display.

Set composition

Description	Qty.	kg	Order-no.
Basic machine with 2 clamping tools (wide) OD 110*	1	5,0	450100 451100**
Table support*	1	1,8	450101 451101**
Clamping tool (small) for fittings OD 110 left	1	0,9	4508110L
Clamping tool (small) for fittings OD 110 right	1	0,9	4508118R
Heating element 230 V / 600 W*	1	2,0	HMINIE HMINIET**
Ratched assisted face cutter*	1	1,5	4504220 4514230**
Heat-protected box*	1	2,3	EIN0045
Clampings inserts (1 set = 8 halfshells)			
DA 20	1	0,8	2008020
DA 25	1	0,8	2008025
DA 32*	1	0,8	2008032
DA 40*	1	0,7	2008040
DA 50*	1	0,7	2008050
DA 63*	1	0,6	2008063
DA 75*	1	0,6	2008075
DA 90*	1	0,4	2008090
Stubend holder with screw	1	1,0	451710
Allen key size 4	1	0,05	ZIG04
Allen key size 3	1	0,05	ZIG03
Sheet steel carrying case (approx. 64 x 39 x 36 cm)	1	10,0	TK0450 TK04511**
* available as SET			45SVMIN1
** for extended version, that can fabricate T-pieces			45SVMIT1

WIDOS MAXIPLAST



building site resp. workshop welding machines



WIDOS welding machine MAXIPLAST

Mobile machine for the heating element butt welding of pipes and fittings made out of polyolefines of the dimensions OD 50 - 160. The solid basic machine has two aluminium clamping tools swivelling each to 15° for the fabrication of segmented bends. By using different reducer inserts of a small, large or extra-large type, all clamping options can be realized. For fittings with extremely short legs, solid steel clamping tools in small version are available. The solid base with ball-bearing guidings, spindle and power input damped by springs enables quick movements for short change-over times as well as a soft pressure build-up. Due to the compact and solid design, the machine is ideally suitable for the usage at places with difficult access under on-site conditions. For the stationary usage, an additional basement is available which enables to use the machine as table-set.

The solid planer (230 V/400 W) with electric drive has been optimized with respect to a most simple handling. The electronically controlled heating element (230 V/800 W) has a non-stick coating of high quality, an external mains switch and control lamps for interval checking. The exact temperature control meets all requirements of DVS 2208. For the safe storage of heating element and planer, a solid and easily portable heat protected box is available. The complete machine can be transported and stored in a transport case with additional compartments for all reduction inserts. Also available: versions in 110 V, °F or with lbs-force-display.

Set composition

Description	Qty.	kg	Order-no.
Basic machine	1	18,4	454100*
2 clamping tools OD 160			
Table support	1	4,7	454101*
Clamping tool (small) for fittings OD 160 left	1	1,0	4547160L
Clamping tool (small) for fittings OD 160 right	1	1,0	4547160R
Heating element 230 V/800 W	1	3,7	HMAXI*
Face cutter 230 V/400 W	1	8,8	4544230*
Heat-protected box	1	5,1	EINMAXI*
Clampings inserts (1 set = 4 halfshells and 2 pipe support)			
OD 50 halfshells	4	1,2	1608050*
OD 50 pipe support	2	0,44	0106050
OD 63 halfshells	4	1,1	1608063
OD 63 pipe support	2	0,44	0106063*
OD 75 halfshells	4	1,1	1608075
OD 75 pipe support	2	0,44	0106075*
OD 90 halfshells	4	1,0	1608090
OD 90 pipe support	2	0,44	0106090*
OD 110 halfshells	4	0,9	1608110
OD 110 pipe support	2	0,44	0106110*
OD 125 halfshells	4	0,8	1608125
OD 125 pipe support	2	0,44	0106125*
OD 140 halfshells	4	0,7	1608140
OD 140 pipe support	2	0,44	0106140
Allen key size 4	1	0,04	ZIG04
Allen key size 3	1	0,02	ZIG03
Transport case	1	19,0	TKMAXI*
* available as SET			45SVMAX

WIDOS 2500 (OD 160/250/315)



WIDOS 2500

Handy, mobile plastic welding machine for PE, PP, PVDF and PB for use in the workshop and on the building site. Particularly suitable for sanitary installations and wastepipes. The diameters are selectable from OD 50 to OD 160 mm, OD 50 to OD 250 mm and OD 50 to OD 315 mm. Machine with electrically operated planer, electronical heating element, basic clamping tool divided into two parts (except for WIDOS 2500 OD 160 mm), each side swivelling up to 15° with clamping inserts and pipe support as well as transport and mounting crate for safe, clean and protected storage. If desired there is a combined butt/socket welding machine available. Versions also in 110 V, °F or with lbs-force-display.

Set composition			
Description	Qty.	kg	Order-no.
Basic machine with face cutter*/**/**/230 V / 950 W	1	48,0	380100
Basic clamping tool set*** OD 315 mm	1	8,0	S38315KP
Basic clamping tool set** OD 250 mm	1	7,0	380732KP
Basic clamping tool set* OD 160 mm with	1		S0127160
Heating element Ø 190 mm, 230 V / 800 W, electronical*	1	2,8	H0900E
Heating element Ø 270 mm, 230 V / 1500 W, electronical**	1	5,1	H0250E
Heating element Ø 345 mm, 230 V / 2100 W, electronical***	1	7,5	H2500E
Clamping inserts upon request			
Pipe support in prismatic design, adjustable from OD 50 - OD 160*/**/**/	2	2,0	3807160
OD 180 - OD 315*/**/**/	2	2,0	3807315
Transport and mounting crate (96 x 69 x 71 cm)*/**/**/	1	40,0	TK2500
<u>Special accessories:</u>			
Support roller stand	1	24,0	320500KP
* available as set			38SV11N1
** available as set			38SV21N1
*** available as set			38SV01N1

WIDOS 4001



WIDOS 4001

„The improved successor of our well and long tried WIDOS 4000!“ welding machine for heating element butt welding of PE-, PP- and PVDF-pipes and fittings from OD 90 up to OD 315 mm. With electro-hydraulic adjusting device for control and application of the welding pressure, planer with electrical chain drive in a closed aluminium housing, external chip removal, holding bracket for the heating element, adjustable timer, two transport handles, basic clamping device (without diameter depending reduction inserts) swivelling on each side up to 15° for the welding of segmented bends and fittings. The right-hand clamping tool is axially movable for adjustment of diameter tolerances. Hydraulic unit, planer, heating element and clamping tools can be easily removed for transporting the machine even into difficult accessible rooms.

Set composition

Description	Qty.	kg	Order-nr.
Basic machine with face cutter, electronical power pack, basic clamping tool and support angle	1	293,0	0241230
basic frame 230 V	1		024101
Heating element 230 V / 3600 W, electronical	1	15,0	H4002E
Beam for unilateral planing	1	1,5	023427KP
Reducer inserts, complete (set consisting of 4 halfshells and 2 pipe supports)			
OD 90 halfshells	4	5,6	0208090
pipe supports	2	1,3	0206090
OD 110 halfshells	4	5,5	0208110
pipe supports	2	1,3	0206110
OD 125 halfshells	4	5,1	0208125
pipe supports	2	1,3	0206125
OD 140 halfshells	4	5,2	0208140
pipe supports	2	1,3	0206140
OD 160 halfshells	4	5,0	0208160
pipe supports	2	1,1	0206160
OD 180 halfshells	4	4,8	0208180
pipe supports	2	1,1	0206180
OD 200 halfshells	4	4,7	0208200
pipe supports	2	1,0	0206200
OD 225 halfshells	4	4,4	0208225
pipe supports	2	1,0	0206225
OD 250 halfshells	4	3,9	0208250
pipe supports	2	0,8	0206250
OD 280 halfshells	4	3,4	0208280
pipe supports	2	0,7	0206280
OD 315 halfshells	4	1,8	0208315

Set composition conversion set up to OD 450

Description	Qty.	kg	Order-nr.
Heating element 380 V / 5400 W	1	24,0	H4002U
Face cutter 230 V / 1050 W	1	44,0	0434220
Basic clamping tool OD 450	1	96,0	S04450KP
Reducer inserts, complete (set consisting of 4 halfshells and 2 pipe supports)			
OD 355 halfshells	4	8,3	0708355
pipe supports	2	1,6	0406355
OD 400 halfshells	4	6,8	0708400
pipe supports	2	0,9	0406400
change-over unit for OD 90-315	4	2,5	070725
piper support OD 315	2	1,1	0406315



WIDOS 4002

Welding machine for the heating element butt welding of PE-, PP-, PVC- and PVDF-pipes and fittings from OD 90 up to OD 315 mm. Based on a steel frame with electro-hydraulic adjusting device (230 V, 250 Watt) for the control and application of the welding pressure, planer with electrical chain drive in a closed aluminium housing (230 V, 1010 Watt), external chip removal, holding bracket for the heating element, adjustable timer, basic clamping tool (without diameter depending reduction inserts) swivelling on each side up to 15° for the welding of segmented bends and fittings. The right-hand clamping tool is axially movable for adjustment of diameter tolerances. The conversion kit makes it possible to increase the capacity up to OD 450 SDR 17,6 (PN 6). Special clamping tools are available for the fabrication of T-pieces 90°, 45°, 60° and cross-pieces. The machine in

its manual version can be obtained with a SPA weld log recorder (see page 22) or with CNC control (see page 23). The servo-controlled version can be obtained optionally with force adjustment or joining way restriction.

Set composition

Description	Qty.	kg	Order-no.
Basic machine with face cutter, built-in electronical power pack, basic clamping tool, support angle and basic frame	1	293,0	0231220
Heating element 230 V / 3600 W, electronical	1	15,0	H405E220
Beam for unilateral planing	1	1,5	023427KP
Reducer inserts, complete (set consisting of 4 halfshells and 2 pipe supports)			
OD 90 halfshells	4	5,6	0208090
pipe supports	2	1,3	0206090
OD 110 halfshells	4	5,5	0208110
pipe supports	2	1,3	0206110
OD 125 halfshells	4	5,1	0208125
pipe supports	2	1,3	0206125
OD 140 halfshells	4	5,2	0208140
pipe supports	2	1,3	0206140
OD 160 halfshells	4	5,0	0208160
pipe supports	2	1,1	0206160
OD 180 halfshells	4	4,8	0208180
pipe supports	2	1,1	0206180
OD 200 halfshells	4	4,7	0208200
pipe supports	2	1,0	0206200
OD 225 halfshells	4	4,4	0208225
pipe supports	2	1,0	0206225
OD 250 halfshells	4	3,9	0208250
pipe supports	2	0,8	0206250
OD 280 halfshells	4	3,4	0208280
pipe supports	2	0,7	0206280
OD 315 halfshells	4	1,8	0208315

Set composition conversion set up to OD 450

Description	Qty.	kg	Order-no.
Heating element 380 V / 5400 W	1	24,0	H500U220
Face cutter 230 V / 1050 W	1	44,0	0434220
Basic clamping tool OD 450	1	96,0	S04450KP
Reducer inserts, complete (set consisting of 4 halfshells and 2 pipe supports)			
OD 355 halfshells	4	8,3	0708355
pipe supports	2	1,6	0406355
OD 400 halfshells	4	6,8	0708400
pipe supports	2	0,9	0406400

WIDOS 5002



WIDOS 5002

Welding machine for the heating element butt welding of PE-, PP-, PVC- and PVDF-pipes and fittings from OD 160 up to OD 500 mm. Based on a steel frame with electro-hydraulic adjusting device for the control and application of the welding pressure, planer with electrical chain drive in a closed aluminium housing, external chip removal, holding bracket for the heating element, adjustable timer. Basic clamping tool selectable in small steel or large version (without diameter depending reduction inserts) swivelling on each side up to 15° (with the large version even possible up to 22,5° upon changing the basic clamping tool) for the welding of segmented bends and fittings. The right-hand clamping tool is axially movable for adjustment of diameter tolerances. In supporting the welding force application a second cylinder is available optionally and

mounted on the upper clamping tool when needed. Special clamping tools are available for the fabrication of T-pieces 90°, 45°, 60° and cross-pieces. The machine in its manual version can be obtained with a SPA weld log recorder (see page 22) or with CNC control (see page 23). The servo-controlled version can be obtained optionally with force adjustment or joining way restriction.

Set composition

Description	Qty.	kg	Order-No.
WIDOS 5002 set composition:			
description			
basic machine with sub-construction with planer (400 V/1100 W) and electronic heating element (400 V/5400 W), built-in electrical hydraulic aggregate			
reduction inserts according to version of basic clamping elements (steel version with/large version without pipe supports) OD 160 - 450			
stubend holder			
second additional working cylinder			

WIDOS 7002

workshop welding machines



WIDOS 7002

Welding machine for the heating element butt welding of PE-, PP-, PVC- and PVDF-pipes and fittings from OD 200 up to OD 630 mm. Based on a steel frame with electro-hydraulic adjusting device for the control and application of the welding pressure, planer with electrical chain drive in a closed aluminium housing, external chip removal, holding bracket for the heating element, adjustable timer. Basic clamping tool selectable in small steel or large version (without diameter depending reduction inserts) swivelling on each side up to 15° (with the large version even possible up to 22,5° upon changing the basic clamping tool) for the welding of segmented bends and fittings. The right-hand clamping tool is axially movable for adjustment of diameter tolerances. In supporting the welding force application a second cylinder is available optionally and

mounted on the upper clamping tool when needed. Special clamping tools are available for the fabrication of T-pieces 90°, 45°, 60° and cross-pieces. The machine in its manual version can be obtained with a SPA weld log recorder (see page 22) or with CNC control (see page 23).

Set composition

Description	Qty.	kg	Order-no.
WIDOS 7002 set composition:			
description			
basic machine with sub-construction with planer (400 V/2200 W) and electronic heating element (400 V/10000 W), built-in electrical hydraulic aggregate			
reduction inserts according to version of basic clamping elements (steel version with/large version without pipe supports) OD 200 - 560			
stubend holder			
second additional working cylinder			
clamping cylinder for clamping tool			

WIDOS 12002



WIDOS 12002

Welding machine for the heating element butt welding of PE-, PP-, PVC- and PVDF-pipes and fittings from OD 400 up to OD 1200 mm. Based on a steel frame with electro-hydraulic adjusting device for the control and application of the welding pressure, planer with electrical chain drive in a closed aluminium housing, external chip removal, holding bracket for the heating element, adjustable timer. Basic clamping tool selectable in small steel or large version (without diameter depending reduction inserts) swivelling on each side up to 15° (with the large version even possible up to 22,5° upon changing the basic clamping tool) for the welding of segmented bends and fittings. The right-hand clamping tool is axially movable for adjustment of diameter tolerances. In supporting the welding force application a second cylinder is available optionally and mounted on the

upper clamping tool when needed. Special clamping tools are available for the fabrication of T-pieces 90°, 45°, 60° and cross-pieces. The machine in its manual version can be obtained with a SPA weld log recorder (see page 22) or with CNC control (see page 23).



Set composition

Description	Qty.	kg	Order-no.
WIDOS 12002 set composition:			
description			
basic machine with sub-construction with planer (400 V/4000 W) and electronic heating element (400 V/32000 W), built-in electrical hydraulic aggregate			
reduction inserts according to version of basic clamping elements (steel version with/large version without pipe supports) OD 400 - 1100			
stubend holder			
second additional working cylinder			
clamping cylinder for clamping tool			

WIDOS 75



WIDOS 75

Welding machine for heating element socket welding of PE, PP and PVDF tubes and fittings from OD 20 up to OD 75 mm.

The motion for socket welding is controlled by a rack-and-pinion mechanism.

For the accommodation of the workpieces temper steel prismatic clamping tools are available, which make it possible to clamp the workpieces regardless of their diameter. There is a double-clamping on the pipe side and a single-clamping with insertion stop on the fitting side.

The two tool slides can be aligned axially. For the simple fixing of the pipe and the socket fittings the machine has an automatic insertion stop. The insertion depth of the welding is limited by a stop.

The electronically controlled heating element (230 V/630 W) which can be swivelled into the machine accommodates the anti-stick-

coated heating tools. It can also be taken out of the prismatic mount and accommodated in a table locking device for external use. Machine version also available in inches, °F and 110 V.

Set composition

Description	Qty.	kg	Order-no.
Basic machine with heating element (230 V/50 Hz), electronically controlled and prismatic clamping tools	1	30,0	3701220
Table locking device	1	1,0	371520
Spigot and socket OD 20	1	0,1	HD020S
Spigot and socket OD 25	1	0,2	HD025S
Spigot and socket OD 32	1	0,4	HD032S
Spigot and socket OD 40	1	0,3	HD040S
Spigot and socket OD 50	1	0,4	HD050S
Spigot and socket OD 63	1	0,7	HD063S
Spigot and socket OD 75	1	0,8	HD075S
Cheese head screw M 8 x 50	3	0,1	091H050
Disc M 8	3	0,05	0125H
Spring washer M 8	3	0,05	0127H
Nut M 8	3	0,05	0934H
Socket wrench opening 13 mm	1	0,1	
Allen key, size 5	1	0,05	ZIG05
Allen key, size. 3	1	0,05	ZIG03
Allen key with T-handle, size 5	1	0,1	ZIT05
Sheet steel carrying case (approx. 480 x 640 x 360 mm)	1	10,0	TK0075
Pipe chamfering device, size 1	1	0,7	W510200
Pipe cutter, size 2	1	1,5	W550110
Pipe cutter, size 1	1	0,7	W550100

WIDOS 3500



WIDOS 3500

Welding machine for heating element socket welding of PE, PP, PB and PVDF tubes and fittings from OD 20 up to OD 110/125 mm. The machine is mounted on a solid frame. The motion of the slides is controlled by a rack-and-pinion mechanism. Due to the steplessly adjustable prismatic clamping all outside diameters can be fixed. On the pipe side there is a double prism, on the fitting side there is an insertion stop. The penetration depth is secured by a turning button depending on the diameters. Both sides can be aligned in the axial plane for adjustment of the parts to be welded. The positioning is made by means of an insertion stop.

The heating element holder for the socket heating element (230 V/1400 W), which can be swivelled in, is built on the machine. In connection with a table locking device it can be taken out of the holder and used as a

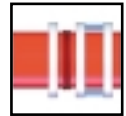
hand heating element. With on/off-switch, electrical adjustment and control of the temperature in accordance with DVS 2208. Machine version also available in inches, °F and 110 V.

As WIDOS 3600 the machine has a diameter up to 6" (160 mm).

Set composition

Description	Qty.	kg	Order-no.
Basic machine with heating element (230 V/50 Hz), electronically controlled and prismatic clamping tools OD 110 OD 125	1	35,0	3720220 3740230
Table locking device	1	1,0	371520
Spigot and socket OD 20, Silverstone	1	0,1	HD020S
Spigot and socket OD 25, Silverstone	1	0,2	HD025S
Spigot and socket OD 32, Silverstone	1	0,4	HD032S
Spigot and socket OD 40, Silverstone	1	0,3	HD040S
Spigot and socket OD 50, Silverstone	1	0,4	HD050S
Spigot and socket OD 63, Silverstone	1	0,7	HD063S
Spigot and socket OD 75, Silverstone	1	0,8	HD075S
Spigot and socket OD 90, Silverstone	1	1,6	HD090S
Spigot and socket OD 110, Silverstone	1	2,2	HD110S
Spigot and socket OD 125, Silverstone	1	2,5	HD125S
Cheese head screw M 8 x 50	3	0,1	091H050
Disc M 8	3	0,05	0125H
Spring washer M 8	3	0,05	0127H
Nut M 8	3	0,05	0934H
Socket wrench opening 13 mm	1	0,1	ZRS13
Allen key, size 5	1	0,05	ZIG05
Allen key, size 3	1	0,05	ZIG03
Allen key with T-handle, size 5	1	0,1	ZIT05
Transport and mounting crate (approx. 850 x 600 x 680 mm)	1	41,0	TK0075
Pipe chamfering device, size 2	1	1,5	W510300
Pipe cutter, size 2	1	1,5	W550110
Pipe cutter, size 1	1	0,7	W550100

WIDOS 4400



WIDOS 4400

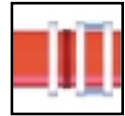
Heating element butt welding machine for pipes and fittings out of polyolefine from OD 50 to OD 160, for usage on building sites and in trenches. The machine has a double clamping device with quick clamping on the fixed and on the movable side guided by two hydraulic cylinders. There are two flexible hoses with quick-action couplings for connection to the hydraulic control unit. The double clamping devices are screwed to the steel pipe frame. The outer fixed clamping device can be easily dismantled by removing three screws for welding at difficult accessible places, e.g. in trenches or at branches of T-pieces. The remaining unit of three rings can be removed from the frame for use for repair works. The electric hydraulic unit - for moving the right-hand clamping device and for the exact control of the welding forces - has a pressure backup for supporting the welding force during cooling down and two quick-action couplings, as well as a digital pressure gauge for the exact indication of the pressure. The planer is suspended in the guide shafts, has a chain drive in a closed aluminium housing, a security micro-switch with lock and an automatic external chip removal. The heating element is suspended in the guide shafts, is nonstick-coated, has an electronic temperature control with digi-

tal display, control lamps, an on/off-switch and a connecting cable with shock-proof plug. For the heat-protected storage of the heating element and the planer, a reception box is available. Smaller pipe dimensions can be clamped by means of reducer inserts depending on the pipe diameter. In addition, large and extra large reducer inserts or a combination of small, large and extra large inserts can be delivered. All components are covered by the WIDOS works warranty. The WIDOS 4400 welding machine can easily be equipped subsequently with the WIDOS SPA weld log recorder (see page 22) and can also be supplied in CNC-controlled version (see page 23). The WIDOS 4400 has a voltage of 230 V. Other voltages on request. Heating elements moving out automatically are available on request.

Set composition

Description	Qty.	kg	Order-no.
Basic machine with clamping device OD 160 mm*	1	25,0	160100
Hydraulic power source 230 V / 315 W*	1	23,0	1011230
Planer 230 V / 950 W*	1	7,5	1604220
Flexible hoses with quick-action couplings*	2	2,0	VSCHL4400
Heating element 230 V/800 W*	1	3,5	H4400E
Heat-protected box for planer and heating element*	1	4,0	EIN4400
Reducer inserts, small (1 set = 8 halfshells)			
OD 50*	1	1,7	1608050
OD 63*	1	1,6	1608063
OD 75*	1	1,6	1608075
OD 90*	1	1,4	1608090
OD 110*	1	1,2	1608110
OD 125*	1	1,0	1608125
OD 140*	1	0,86	1608140
Socket wrench, 24 mm	1	0,05	ZRS24
Allen key with T-grip, size 3	1	0,05	ZIT03
Allen key with T-grip, size 4	1	0,05	ZIT04
Allen key, size 3	1	0,03	ZIG03
Allen key, size 5	1	0,03	ZIG05
Allen key, size 6	1	0,03	ZIG06
Hydraulic oil	1 l	1,0	HLPD35
Planer knife	2	0,03	MES085
Transport case* (84 x 84 x 57 cm)	1	44,0	TK4400
* available as SET	machine reducer inserts		16SV44N1 16VS140

WIDOS 4600



WIDOS 4600

Heating element butt welding machine for pipes and fittings out of polyolefine from OD 75 to OD 250, for usage on building sites and in trenches.

The machine has a double clamping device with quick clamping on the fixed and on the movable side guided by two hydraulic cylinders. There are two flexible hoses with quick-action couplings for connection to the hydraulic control unit. The double clamping devices are screwed to the steel pipe frame. The outer fixed clamping device can be easily dismantled by removing three screws for welding at difficult accessible places, e.g. in trenches or at branches of T-pieces. The remaining unit of three rings can be removed from the frame for use for repair works.

The electric hydraulic unit - for moving the right-hand clamping device and for the exact control of the welding forces - has a pressure backup for supporting the welding force during cooling down and two quick-action couplings, as well as a digital pressure gauge for the exact indication of the pressure.

The planer is suspended in the guide shafts, has a chain drive in a closed aluminium housing, a security microswitch with lock and an automatic external chip removal.

The heating element is suspended in the guide shafts, is nonstick-coated, has an electronic temperature control with digi-

tal display, control lamps, an on/off-switch and a connecting cable with shock-proof plug. The separating device prevents the heating element from sticking to the pipe after the heating process.

For the heat-protected storage of the heating element and the planer, a reception box is available.

Smaller pipe dimensions can be clamped by means of reducer inserts depending on the pipe diameter. In addition, large and extra large reducer inserts or a combination of small, large and extra large inserts can be delivered. For the storage of the reducer inserts, optional transport cases can be supplied.

All components are covered by the WIDOS works warranty.

The WIDOS 4600 welding machine can easily be equipped subsequently with the WIDOS SPA weld log recorder (see page 22) and can also be supplied in CNC-controlled version (see page 23).

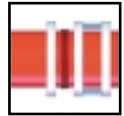
The WIDOS 4600 has a voltage of 230 V. Other voltages on request.

Heating elements moving out automatically are available on request.

Set composition

Description	Qty.	kg	Order-no.
Basic machine with clamping device OD 250 mm*	1	42,0	091100
Hydraulic power source 230 V / 315 W*	1	23,0	1010230
Planer 230 V / 1050 W*	1	14,0	0914220
Flexible hoses with quick-action couplings*	2	2,0	VSCHL4600
Heating element 230 V / 1500 W*	1	6,0	H4600E
Heat-protected box for planer and heating element*	1	8,0	EIN4502
Reducer inserts, small (1 set = 8 halfshells)			
OD 75*	1	6,5	0908075
OD 90*	1	6,5	0908090
OD 110*	1	6,5	0908110
OD 125*	1	5,9	0908125
OD 140*	1	5,7	0908140
OD 160*	1	5,2	0908160
OD 180*	1	4,6	0908180
OD 200*	1	4,2	0908200
OD 225*	1	2,1	0908225
Socket wrench, 27 mm	1	0,05	ZRS27
Allan key with T-grip, size 4	1	0,05	ZIT04
Allan key with T-grip, size 5	1	0,05	ZIT05
Allan key, size 3	1	0,03	ZIG03
Allan key, size 6	1	0,03	ZIG06
Hydraulic oil	1 l	1,0	HLPD35
Planer knife	2	0,03	MES120
Transport case* (85 x 95 x 67 cm)	1	45,0	TK4600
Transport case for reducer inserts* (84 x 68 x 28 cm)			TK46001
* available as SET	machine reducer inserts		09SV46N1 09VS225

WIDOS 4900



WIDOS 4900

Heating element butt welding machine for pipes and fittings out of polyolefine from OD 90 to OD 315, for usage on building sites and in trenches. The machine has a double clamping device with quick clamping on the fixed and on the movable side guided by two hydraulic cylinders. There are two flexible hoses with quick-action couplings for connection to the hydraulic control unit. The double clamping devices are screwed to the steel pipe frame. The outer fixed clamping device can be easily dismantled by removing three screws for welding at difficult accessible places, e.g. in trenches or at branches of T-pieces. The remaining unit of three rings can be removed from the frame for use for repair works. The electric hydraulic unit - for moving the right-hand clamping device and for the exact control of the welding forces - has a pressure backup for supporting the welding force during cooling down and two quick-action couplings, as well as a digital pressure gauge for the exact indication of the pressure. The planer is suspended in the guide shafts, has a chain drive in a closed aluminium housing, a security microswitch with lock and an automatic external chip removal. The heating element is suspended in the guide shafts, is nonstick-coated, has an electronic temperature control with digi-

tal display, control lamps, an on/off-switch and a connecting cable with shock-proof plug. The separating device prevents the heating element from sticking to the pipe after the heating process. For the heat-protected storage of the heating element and the planer, a reception box is available. Smaller pipe dimensions can be clamped by means of reducer inserts depending on the pipe diameter. In addition, large and extra large reducer inserts or a combination of small, large and extra large inserts can be delivered. For the storage of the reducer inserts, optional transport cases can be supplied. All components are covered by the WIDOS works warranty. The WIDOS 4900 welding machine can easily be equipped subsequently with the WIDOS SPA weld log recorder (see page 22) and can also be supplied in CNC-controlled version (see page 23). The WIDOS 4900 has a voltage of 230 V. Other voltages on request. Heating elements moving out automatically are available on request.

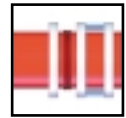
Set composition

Description	Qty.	kg	Order-no.
Basic machine with clamping device OD 315 mm*	1	60,0	216000
Hydraulic power source 230 V / 315 W*	1	23,0	1010230
Planer 230 V / 1050 W*	1	24,5	2164230
Flexible hoses with quick-action couplings*	2	2,0	VSCHL4900
Heating element 230 V / 1500 W*	1	12,6	H4900E
Heat-protected box for planer and heating element*	1	10,5	EIN4900
Reducer inserts, small (1 set = 8 halfshells)			
OD 90*	1	9,6	3808090
OD 110*	1	6,6	3808110
OD 125*	1	8,8	3808125
OD 140*	1	8,8	3808140
OD 160*	1	6,1	3808160
OD 180*	1	8,0	3808180
OD 200*	1	7,6	3808200
OD 225*	1	7,0	3808225
OD 250*	1	6,5	3808250
OD 280*	1	5,0	3808280
Adaptor piece OD 250 (1 set = 8 halfshells)	1	12,2	380725
Socket wrench, 27 mm	1	0,05	ZRS27
Allan key with T-grip, size 4	1	0,05	ZIT04
Allan key with T-grip, size 5	1	0,05	ZIT05
Allan key, size 7	1	0,05	ZIT07
Allan key, size 3	1	0,03	ZIG03
Allan key, size 8	1	0,03	ZIG08
Hydraulic oil	1 l	1,0	HLPD35
Planer knife	2	0,03	MES072
Planer knife	2	0,03	MES170
Transport case* (122 x 102 x 55 cm)	1	56,0	TK4900
Transport case for reducer inserts* (125 x 67 x 28 cm)	1	50,0	TK49001
*available as SET	machine reducer inserts		21SV49N1 21VS5280

WIDOS 5100



building site welding machines



WIDOS 5100

Heating element butt welding machine for pipes and fittings out of polyolefine from OD 200 to OD 450, for usage on building sites and in trenches. The machine has a double clamping device with quick clamping on the fixed and on the movable side guided by two hydraulic cylinders. There are two flexible hoses with quick-action couplings for connection to the hydraulic control unit. The double clamping devices are screwed to the steel pipe frame. The outer fixed clamping device can be easily dismounted by removing three screws for welding at difficult accessible places, e.g. in trenches or at branches of T-pieces. The remaining unit of three rings can be removed from the frame for use for repair works. The electric hydraulic unit - for moving the right-hand clamping device and for the exact control of the welding forces - has a pressure backup for supporting the welding force during cooling down and two quick-action couplings, as well as a digital pressure gauge for the exact indication of the pressure. The planer is suspended in the guide shafts, has a chain drive in a closed aluminium housing and an automatic external chip removal. The heating element is suspended in the guide shafts, is nonstick-coated, has an electronic temperature control, control lamps, an on/off-switch and a connecting

cable with shock-proof plug. The separating device prevents the heating element from sticking to the pipe after the heating process. For the heat-protected storage of the heating element and the planer, a reception box is available. Smaller pipe dimensions can be clamped by means of reducer inserts depending on the pipe diameter. For the storage of the reducer inserts, optional transport cases can be supplied. All components are covered by the WIDOS works warranty. The WIDOS 5100 welding machine can easily be equipped subsequently with the WIDOS SPA weld log recorder (see page 22) and can also be supplied in CNC-controlled version (see page 23). The WIDOS 5100 has a voltage of 230 V. Other voltages on request. Heating elements moving out automatically are available on request.

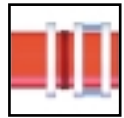
Set composition

Description	Qty.	kg	Order-no.
Basic machine with clamping device* OD 450 mm	1	109,0	071100
Planer 230 V/1400 W*	1	37,0	0714220
Hydraulic power source 230 V/315 W*	1	23,0	1010230
Flexible hoses with quick-action couplings*	2	2,0	VSCHL5100
Heating element 230 V/3600 W*	1	20,0	H5100E
Heat-protected box for planer and heating element*	1	25,0	EIN5100
Reducer inserts with screws (1 set = 8 halfshells)			
OD 200*	8	8,0	3808200
OD 225*	8	7,6	3808225
OD 250*	8	7,0	3808250
OD 280*	8	6,5	3808280
OD 315* (also adapter for OD 200-280)	8	14,4	071142
OD 355*	8	16,5	0708355
OD 400*	8	12,0	0708400
Socket wrench, 27 mm	1	0,1	ZRS27
Allan key with T-grip, size 4	1	0,05	ZIT04
Allan key with T-grip, size 5			
Allan key with T-grip, size 7	1	0,05	ZIT05
Allan key, size 3	1	0,05	ZIT07
Allan key, size 10			
Hydraulic oil	1	0,05	ZIG03
	1	0,05	ZIG10
Planer knife	1 l	1,0	HLPD35
Transport case* (183 x 145 x 125 cm)	1	145,0	TK5100
* available as SET	machine reducer inserts		07SV51N1 07VS400

WIDOS 5500



building site welding machines



WIDOS 5500

Heating element butt welding machine for pipes and fittings out of polyolefine from OD 200 to OD 500, for usage on building sites and in trenches.

The machine has a double clamping device with quick clamping on the fixed and on the movable side guided by two hydraulic cylinders. There are two flexible hoses with quick-action couplings for connection to the hydraulic control unit. The double clamping devices are screwed to the steel pipe frame. The outer fixed clamping device can be easily dismantled by removing three screws for welding at difficult accessible places, e.g. in trenches or at branches of T-pieces. The remaining unit of three rings can be removed from the frame for use for repair works.

The electric hydraulic unit - for moving the right-hand clamping device and for the exact control of the welding forces - has a pressure backup for supporting the welding force during cooling down and two quick-action couplings, as well as a digital pressure gauge for the exact indication of the pressure.

The planer is suspended in the guide shafts, has a chain drive in a closed aluminium housing and an automatic external chip removal.

The heating element is suspended in the guide shafts, is nonstick-coated, has an electronic temperature control, control lamps, an on/off-switch and a connecting

cable with shock-proof plug. The separating device prevents the heating element from sticking to the pipe after the heating process.

For the heat-protected storage of the heating element and the planer, a reception box is available.

Smaller pipe dimensions can be clamped by means of reducer inserts depending on the pipe diameter. For the storage of the reducer inserts, optional transport cases can be supplied.

All components are covered by the WIDOS works warranty.

The WIDOS 5500 welding machine can easily be equipped subsequently with the WIDOS SPA weld log recorder (see page 22) and can also be supplied in CNC-controlled version (see page 23).

The WIDOS 5500 has a voltage of 400 V/230 V. Other voltages on request.

Heating elements moving out automatically are available on request.

Set composition

Description	Qty.	kg	Order-no.
Basic machine with clamping device* OD 500 mm	1	120,0	390100
Planer 400 V/1650 W*	1	57,0	3904380
Hydraulic power source 230 V/315 W*	1	23,0	1010220
Heating element 400 V/5800 W*	1	23,0	H503E220
Flexible hoses with quick-action couplings*	2	2,0	VSCHL5500
Heat-protected box for planer and heating element*	1	30,0	EIN5500
Reducer inserts with screws (1 set = 8 halfshells)			
OD 200*	8	8,0	3808200
OD 225*	8	7,6	3808225
OD 250*	8	7,0	3808250
OD 280*	8	6,5	3808280
OD 315* (also adapter for OD 200-280)	8	14,4	071142
OD 355*	8	16,5	0708355
OD 400*	8	12,0	0708400
OD 450* (also adapter for OD 315-400)	8	18,0	3908450
Socket wrench, 27 mm	1	0,1	ZRS27
Allan key with T-grip, size 4	1	0,05	ZIT04
Allan key with T-grip, size 5	1	0,05	ZIT05
Allan key with T-grip, size 7	1	0,05	ZIT07
Allan key, size 3	1	0,05	ZIG03
Allan key, size 10	1	0,05	ZIG10
Hydraulic oil	1 l	1,0	HLPD35
Planer knife	2	0,05	MES120
	2	0,05	MES085
Transport case (183 x 145 x 125 cm)*	1	145,0	TV4002
* available as SET	machine reducer inserts		39SV55N1 39VS450

WIDOS 6100



building site welding machines



WIDOS 6100

Heating element butt welding machine for pipes and fittings out of polyolefine from OD 315 to OD 630, for usage on building sites and in trenches. The machine has a double clamping device with quick clamping on the fixed and on the movable side guided by two hydraulic cylinders. There are two flexible hoses with quick-action couplings for connection to the hydraulic control unit. The double clamping devices are screwed to the steel pipe frame. The outer fixed clamping device can be easily dismantled by removing three screws for welding at difficult accessible places, e.g. in trenches or at branches of T-pieces. The remaining unit of three rings can be removed from the frame for use for repair works.

The electric hydraulic unit - for moving the right-hand clamping device and for the exact control of the welding forces - has a pressure backup for supporting the welding force during cooling down and two quick-action couplings, as well as a digital pressure gauge for the exact indication of the pressure.

The planer is suspended in the guide shafts, has a chain drive in a closed aluminium housing with a geared motor and an automatic external chip removal.

The heating element is suspended in the guide shafts, is nonstick-coated, has an electronic temperature control, control

lamps, an on/off-switch and a connecting cable with shock-proof plug. The separating device prevents the heating element from sticking to the pipe after the heating process.

For the heat-protected storage of the heating element and the planer, a reception box is available.

Smaller pipe dimensions can be clamped by means of reducer inserts depending on the pipe diameter. For the storage of the reducer inserts, optional transport cases can be supplied.

A lift-off device for the easy inserting and removing of the heating element and the planer is available.

All components are covered by the WIDOS works warranty.

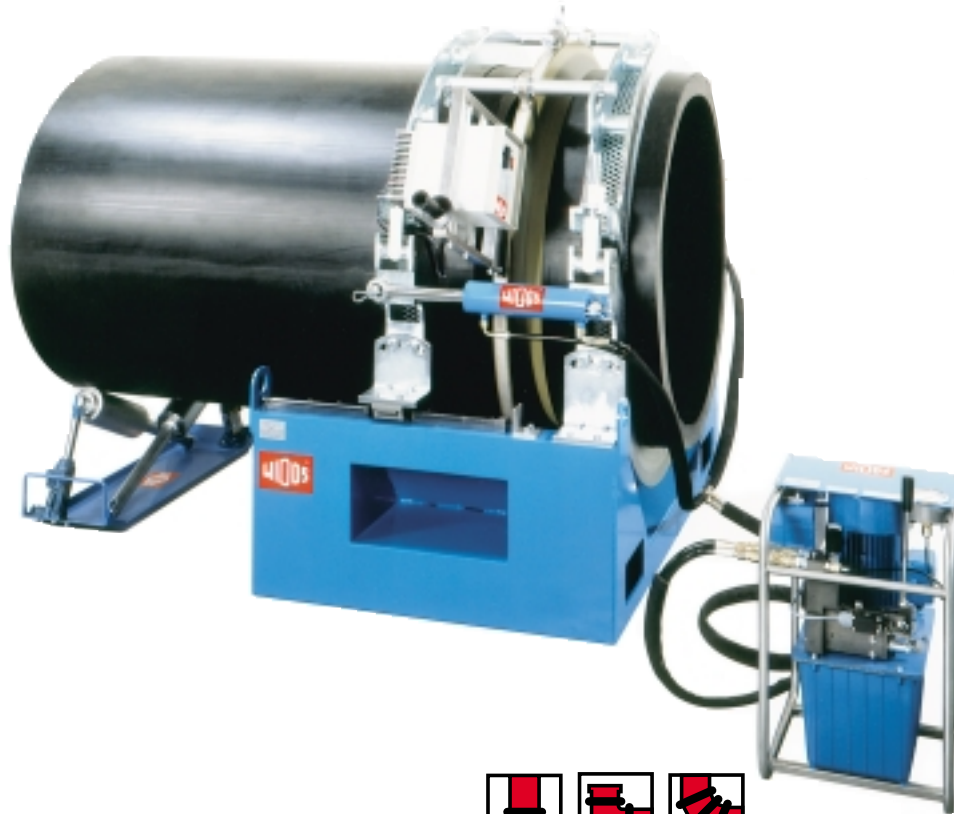
The WIDOS 6100 welding machine can easily be equipped subsequently with the WIDOS SPA weld log recorder (see page 22) and can also be supplied in CNC-controlled version (see page 23).

The WIDOS 6100 has a voltage of 400 V/230 V. Other voltages on request.

Set composition			
Description	Qty.	kg	Order-no.
Basic machine with clamping device* OD 630 mm	1	226,0	081100
Planer 400 V/1100 W*	1	103,0	0814380
Hydraulic power source 230 V/315 W*	1	23,0	1010230
Heating element with temperature probe and connecting plug 400 V/7000 W*	1	36,0	H6100E
Heat-protected box for planer and heating element*	1	62,0	EIN6100
Reducer inserts with screws (1 set = 8 halfshells)			
OD 315*	8	53,0	0808315
OD 355*	8	50,0	0808355
OD 400*	8	44,0	0808400
OD 450*	8	41,0	0808450
OD 500*	8	36,0	0808500
OD 560*	8	27,0	0808560
Lift-off device consisting of: gallows	1	21,0	081142
chain-draft 400 V/200 W	1	22,0	AKET080
Socket wrench, 27 mm	1	0,1	ZRS27
Allan key with T-grip, size 4	1	0,05	ZIT04
Allan key with T-grip, size 5	1	0,05	ZIT05
Allan key with T-grip, size 7	1	0,05	ZIT07
Allan key, size 3	1	0,05	ZIG03
Allan key, size 6	1	0,05	ZIG06
Hydraulic oil	1 l	1,0	HLPD35
Planer knife	4	0,05	MES120
Transport case (225 x 150 x 128 cm)*	1	195,0	TV6100
* available as SET	machine reducer inserts		08SV61N1 08VS560

WIDOS HRG 8/10/12/14/16/18

building site welding machines



WIDOS HRG 8/10/12/14/16/18

Light and solid heat-ring welding device for the welding of PE and PP pipes and fittings on building sites. Due to the modular and compact version especially appropriate for the welding in cramped problematic places. The machine can be dismantled into light pieces in no time and thus minimizes the efforts for transport and handling considerably. Reducer inserts are mounted into the basic clamping tools in order to apply different pipe dimensions. The optional basic frame is equipped with precise linear guidings for an exact and easy movement of the basic clamping tools. For an easy on-site fabrication of segmented bends it is possible to swivel the basic clamping tools from 7,5° up to 15° on each side. The solid high performance hydraulic system is hung up in fast changeable devices and can be used with all sizes. Optional supplementary hydraulic systems in-

crease a comfortable application and can also be used universally with all models. The electronically adjusted heating elements are anti-stick coated and monitored in accordance with the directive DVS 2208. They are fixed to the machine in a self-bearing manner and are optimized for maintenance. The planer in its solid and light monodisc version enables a precise weld preparation and is fixed to the machine with an automatic lock system. The following dimensions are available:

HRG 8	DA 630 - 800
HRG 10	DA 800 - 1000
HRG 12	DA 1000 - 1200
HRG 14	DA 1200 - 1400
HRG 16	DA 1400 - 1600
HRG 18	DA 1600 - 1800

Additional dimensions on request.

Set composition

Description	Qty.	kg	Order-no.
Basic machine OD 800 mm with 2 clamping rings and manual clamping	1		
Reducer insert OD 710 mm (4 halfshells)	1		
Basic machine OD 1000 mm with 2 clamping rings and manual clamping	1		254000
Reducer insert OD 900 mm (4 halfshells)	1		2548900
Basic machine OD 1200 mm with 2 clamping rings and manual clamping	1		223000
Reducer insert OD 1100 mm (4 halfshells)	1		22181100
Basic machine OD 1400 mm with 2 clamping rings and manual clamping	1		
Reducer insert OD 1300 mm (4 halfshells)	1		
Basic machine OD 1600 mm with 2 clamping rings and manual clamping	1		
Reducer insert OD 1500 mm (4 halfshells)	1		
Basic machine OD 1800 mm with 2 clamping rings and manual clamping	1		
Reducer insert OD 1700 mm (4 halfshells)	1		
Hydraulic power pack 380 V with 2 welding cylinders and hydraulic hoses (for all models)	1		1060380
Ring heating element 380 V for HRG 8	1		HHRG08
Ring heating element 380 V for HRG 10	1		HHRG10
Ring heating element 380 V for HRG 12	1		HHRG12
Ring heating element 380 V for HRG 14	1		HHRG14
Ring heating element 380 V for HRG 16	1		HHRG16
Ring heating element 380 V for HRG 18	1		HHRG18
Special accessoires:			
Heat-protected box for heating/planer*	1		
Basic frame with prismatic guideway*	1		
Planer 380 V*	1		
* please indicate type of machine			
Hydraulic pipe clamping complete (for all models)	1		
Roller stand, type II	1		322000

WIDOS 8000, 10000, 12000, 14000, 16000, 18000, 20000



building site welding machines



WIDOS 8000/10000 12000/14000/16000 18000/20000

Heating element butt welding machine for pipes and fittings out of polyolefines from OD 450 up to OD 2000 mm for the use on building sites and in trenches. The machine has a double clamping system on both the tight and movable side that are placed on two guiding shafts. For an easy and fast erection resp. dismantling upon maintaining, the hydraulic cylinders are screwed next to the guiding shaft. Two flexible hoses with quick-action coupling enable the connection to the hydraulic controlling device. The double clamping tools are screwed to the steel pipe sub-construction. The external tight clamping tool can be dismantled easily by removing seven screws in order to weld at difficult accessible places like trenches or at branches of T-pieces. The electric hydraulic unit for the movement of the right double clamping device and for the exact control of the welding forces has a post-pressure facility to support these forces while cooling down and two quick-action couplings. The planer is fixed to the guiding shafts, has a chain drive in a closed aluminium housing with a gear motor and an automatic chip removal. The heating element is fixed to the guiding shafts, anti-stick coated, has

an electronic temperature control with display, controlling lamps, an on/off-switch and a connecting cable with shock-proof plug. For the heat-protected storage of the heating element and the planer, a reception box is available. Smaller pipe dimensions can be clamped by means of reducer inserts depending on the pipe diameter. A lift-off device for the easy inserting and removing of the heating element and the planer is available. All components are covered by the WIDOS works warranty. The WIDOS welding machine can easily be equipped subsequently with the WIDOS SPA weld log recorder (see page 22) and can also be supplied in CNC-controlled version (see page 23). The WIDOS welding machine has a voltage of 400 V. Other voltages on request.

Set composition

Description	Qty.	kg	Order-no.
basic machine with pipe clamping device and hydraulic hoses	1		
planer 400 V/1650 W	1		
hydraulic aggregate 400 V/1100 W	1		
heating element with temperature control and connection plug 400 V/7000 W	1		
heat-protected box for planer and heating element	1		
reducer inserts with screws (1 set = 8 halfshells) for each machine type			
lift-off device consisting of: gallows	1		
chain draft 400 V/200 W	1		

Please contact us for more detailed information.

WIDOS SPA 600



SPA 600

WIDOS SPA 600

The WIDOS SPA 600 weld log recorder serves to a simple logging of the welds of butt welding with heating element. It can be combined with all WIDOS welding machines and has an easy user guidance. The unit consists of a solid sheet-steel case with built-in computer, outside temperature control, pressure absorber and parallel interface for customary printers. Furthermore it is prepared for the use of a PCMCIA memory card as well as a barcode reading pencil. The SPA 600 is fixed to the protective frame of the hydraulic system and connected to the hydraulic system at the Schuko socket with a connecting cable. The pressure absorber is placed in the pressure line between the hydraulic coupling via a mini measuring tube and a t-piece. The second temperature probe for transmitting the heating element temperature to the recorder is integrated in the heating ele-

ment and connected to the unit with a connecting cable with special plug.

Set composition

Description	Qty.	kg	Order-no.
SPA 600	1	6,4	9701230
barcode reading pencil	1	0,2	EB0600
PCMCIA drive	1		EG0602
memory card 256 KB	1	0,1	EPR0601
memory card 1 MB	1	0,1	EPR0602
pipe data card	1	0,01	BAR003
general authorization card	1	0,01	BAA001
gas authorization card	1	0,01	BAG002
WICON evaluation program	1		WICON
WICON-Lite data program	1		WICONLITE

WIDOS CNC 3.0



CNC 3.0

WIDOS CNC control unit 3.0

The WIDOS CNC 3.0 is the third generation of our CNC control units. The unit which has proven to be appropriate for the every day application has been improved in its easy user guidance and software as well as supplemented with a PCMCIA memory card and a barcode reading pencil. The extended memory allows the recording of more than a 1000 weldings. The new larger display emphasizes its suitability for the application on building sites with the new three-chamber safety housing. A program modification has been included for data retracing according to ISO/TC 138/SC 4/WG 2 and is freely selectable. The WIDOS 3.0 control unit can be used with our building site machines WIDOS 4400 up to WIDOS 12000. Moreover the unit can be combined with our workshop machines and special machines. The emergency storage battery provides the computer with electri-

city during the cooling-down process after a disconnection from the mains voltage.

Set composition

Description	Qty.	kg	Order-no.
control unit	1	40,5	1050230
barcode reading pencil	1	0,2	EB0600
memory card 256 KB	1	0,1	EPR0601
memory card 1 MB	1	0,1	EPR0602
data transmission cable	1	0,2	DFUKA
WICON evaluation program	1		WICON
pipe data card	1	0,01	BAR003
general authorization card	1	0,01	BAA001
gas authorization card	1	0,01	BAG002
WICON-Lite data program	1		WICONLITE
small printer	1		EG0700

WIDOS Rotation Circular Saw



pipe saws and cutting devices

WIDOS Rotation Circular Saw

Two types are available for the cutting and bevelling of plastic pipes:

Modell 315:
from OD 110 up to OD 350
Modell 500:
from OD 180 up to OD 500

With this light transportable machine plastic pipes of polyolefine can be cut rightangled.

Cutting depth ~ 60 mm.

For the cutting of GPR-sheathed plastic pipes or GPR-pipes a special cutting plate can be mounted for the right-angled cutting.

Set composition

Description	Qty.	kg	Order-no.
Rotation Circular Saw 315 (230 V)	1		5051315
Rotation Circular Saw 500 (230 V)	1	23,0	5125220
Rollerstand	1	13,0	513701
Fastening belt	1	0,4	513702
Replacement saw disc (model 315)	1	1,0	5015020
Transport case (model 315)	1		TK50315
Replacement saw disc (model 500)	1	1,0	541035
Transport case (model 315)	1	26,0	TK5138

WIDOS Motor Hand Circular Saw with chain driving



WIDOS Motor Hand Circular Saw with chain driving

The machine consists of a motorized hand saw, 230 V/1900 W with guide carriage and tensioning chain for each pipe diameter.

The tensioning chain is to be put around the pipe and tightened by means of the chain tensioner. The guidance vehicle is applied with the hand circular saw. After turning on the motor the saw is inserted. The pipe is then cut by driving around.

A quick, clean and right angled cut is the result.

Cutting depth ~ 60 mm.

The easy handling despite of a high cutting speed and an optimal safety do make the saw indispensable on each construction site.

Chain for standard pipes are available ex warehouse. Special dimensions only on request.

Set composition

Description	Qty.	kg	Order-no.
The machine consists of a motor hand-operated-saw 230 Volt/1900 Watt with guide carriage	1	12,5	5410230
Tensioning Chains			
OD 355 mm	1	3,7	K510355
OD 400 mm	1	4,1	K510400
OD 450 mm	1	4,5	K510450
OD 500 mm	1	5,2	K510500
OD 560 mm	1	5,6	K510560
OD 630 mm	1	6,8	K510630
OD 710 mm	1	7,9	K510710
OD 800 mm	1	8,6	K510800
OD 900 mm	1	10,1	K510900
OD 1000 mm	1	11,0	K5101000
OD 1100 mm	1	12,0	K5101100
OD 1200 mm	1	13,5	K5101200
OD 1400 mm	1	15,5	K5101400
OD 1600 mm	1	17,8	K5101600
Chain tensioner	1	0,3	540110
Spare saw disc	1	1,0	513503

WIDOS Sawing system 315



WIDOS Sawing system 315 for plastic pipes up to OD 315 mm

Closed, modern steel-sheet construction, vulcanized rubber grating on the aluminium plate wheels, upper and lower precision guide in special building system 90° torsioned, protective doors with easy opening for the sawing blade change, sawing blade completely covered exempt the cutting area, direct drive via three-phase motor and automatic break system acc. to VBG7j.

Cutting power:

Pipe diameters up to 315 mm and up to 45° inclination both-sides swivelling (with 250 mm up to 67,5° one-side swivelling).

Mode of operating: the pipes are placed on the prism and adapted in the dimensions.

The saw including the guides is put into the desired angle position by means of the swivelling lever and the pipe is clamped. By moving the saw frame the desired cutting is reached. A special advantage

is the short time required for the setting and tooling of the machine, the setting for other/new cuttings and the short time for the cut itself. The line laser available in the special implements is a considerable help for the adjustment of the pipes since it shows the later course of the cut.

Set composition

Description	Qty.	kg	Order-no.
Jigsaw 315 basic machine, 400 V/550 W	1	95,0	99315
Line laser	1	0,1	993152
Support extension	1	19,5	993151
Replacement saw	1		RS31501
Transport case	1		

WIDOS Sawing installation

RS 630/800/1000/1200



WIDOS Sawing installation RS 630/800/1000/1200

The sawing installation RS in extra-solid design has been developed particularly for the exact cutting of plastic pipes and meets highest requirements with-in modern production lines.

The extremely solid saw bow is optimized for operation with low vibration and is driven on precise linear guides. The band drive with high torque performance is equipped with a brake so that any after-running after switching off or after pushing the emergency-off button is avoided. The forward feed is secured against saw forces being too high by means of a safety clutch and totally insensitive to the produced cuttings. The complete forward feed unit is mounted on a high loadable live ring and can easily be turned manually for 45° or 67,5° when being unlocked pneumatically. The band position and the set angle are displayed on digital devices which can be adjusted to zero very easily by

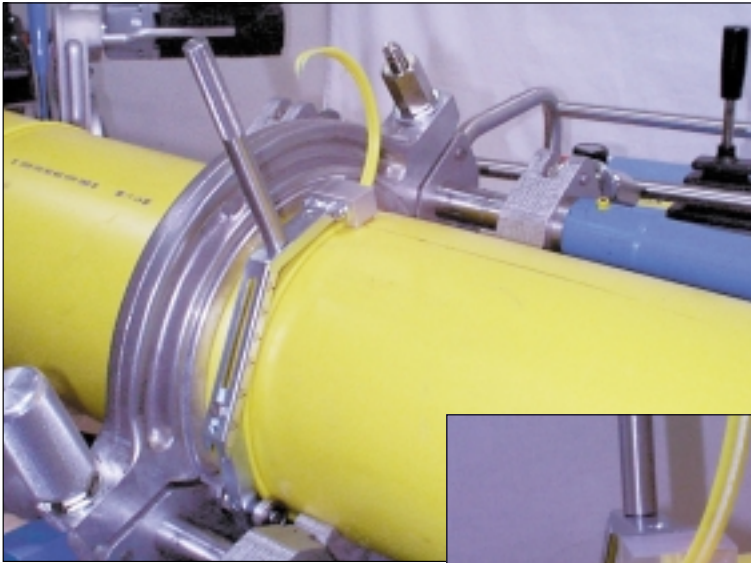
means of pneumatic centering devices. The pipe supports have an extremely solid design so that even heaviest pieces can be clamped safely and displaced on the exchangeable sliding coatings with minimal expenditure of force. Extensions for the pipe supports are available as option. The pipes are clamped by means of a pneumatic cylinder over the complete area to be worked, an initial adjusting to the pipe dimension is not necessary. When using an optional transverse support in connection with an integrated turning of the band and a digital display and locking of the position, a negative radial cut for the fabrication of reduced branches at T- and Y-pieces can be easily performed. Due to the solid base of the complete installation, assembling works in the workshop become unnecessary, only the horizontal adjustment by means of adjusting screws has to be carried out.

Set composition

Description	Qty.	kg	Order-no.
Bandsaw RS basic machine, 400 V	1		
Pneumatic pipe clamping	1		
Extension of the pipe support	1		
Line laser	1		
Feed motor	1		
Accessory for negative radial cut	1		

WIDOS Outside debeader

outside debeader



WIDOS Outside debeader

Ultra-light and solid device for the safe, easy and power-saving removal of the outside welding beads after butt welding.

Due to the compact construction, the device can also be used at pipes still clamped in the machine, e.g. during cool down time, without a time-consuming removing of the clamping tools being necessary.

Afterwards applicable with quick-action adjustment of the diameters needed according to a scale.

Set composition

Description	Qty.	kg	Order-no.
WIDOS outside debeader OD 20	1	0,2	5650020
WIDOS outside debeader OD 25	1	0,2	5650025
WIDOS outside debeader OD 32	1	0,2	5650032
WIDOS outside debeader OD 40	1	0,3	5650040
WIDOS outside debeader OD 50	1	0,3	5650050
WIDOS outside debeader OD 63	1	0,4	5650063
WIDOS outside debeader OD 75	1	0,4	5650075
WIDOS outside debeader OD 90	1	0,5	5650090
WIDOS outside debeader size 1 OD 110 - OD 160	1	0,8	5650160
WIDOS outside debeader size 2 OD 140 - OD 250	1	1,0	5650250
WIDOS outside debeader size 3 OD 180 - OD 315	1	1,3	5650315
WIDOS outside debeader size 4 OD 280 - OD 450	1	2,0	5650450
WIDOS outside debeader size 5 OD 450 - OD 630	1	9,0	5650630
WIDOS outside debeader size 6 OD 630 - OD 1000			56501000
WIDOS transport and retention case with foamed material inside	1	1,0	TMK1002 TMK1011

WIDOS Inside debader



WIDOS Inside debader ID 90 mm - ID 500 mm

Inside debader for removing the welding bead in PE and PP pipes with an inside diameter from ID 90 mm up to ID 500 mm up to an insertion depth of maximum 20 m application covered by three sizes of cutting heads. In an ideal case, the bead is cut out during the cooling-down period.

The device consists of:

Cutting head (230 V) with heated blade and PEEK surface sensors for scanning the inside pipe surface in order to avoid cutting into the basic material.

Guiding skids for cutting head and distance piece for the basic guide rod to adjust the respective inside diameter.

Guiding rods up to an insertion depth of 6, 12 or 20 m (VA rods with locks as well as a motion rod with 2 handles).

Set composition

Description	Qty.	kg	Order-no.
Inside debader 160 ID 90 - 160 mm	1	17	560000
Supplementary package for lengthening up to 12 m	1	12	560001
Supplementary package for lengthening up to 20 m	1	24	5600011
Inside debader 160 non-heated ID 90 - 160 mm	1		560040
Supplementary package for lengthening up to 20 m	1	24	5600401
Inside debader 300 ID 160 - 300 mm	1	21	561000
Supplementary package for lengthening up to 12 m	1	15	561001
Supplementary package for lengthening up to 20 m	1	30	5610011
Inside debader 300 non-heated ID 160 - 300 mm	1		561040
Supplementary package for lengthening up to 20 m	1	30	5610401
Inside debader 500 ID 300 - 500 mm	1	39	564000
Supplementary package for lengthening up to 12 m	1	28	564001
Supplementary package for lengthening up to 20 m	1	56	5640011
Inside debader 500 non-heated ID 300 - 500 mm	1		564040
Supplementary package for lengthening up to 20 m	1	56	5640401

WIDOS Rollerstands

WIDOS hand-held heating elements,
pipe cutter, tools and accessories



WIDOS Rollerstands

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

Set composition

Description	Qty.	kg	Order-no.
Rollerstand MINI up to OD 315 mm Load capacity: 500 kg	1	3,7	320500
Rollerstand MAXI up to OD 630 mm Load capacity: 750 kg	1	8,0	320750
Rollerstand type I up to OD 630 mm Load capacity: 1000 kg	1	23,0	321000
Rollerstand type II up to OD 1200 mm Load capacity: 2000 kg	1	40,0	322000
Rollerstand with vertical adjustment up to OD 315 mm Load capacity: 500 kg	1	7,0	320500KP

WIDOS Sheet welding machine



sheet welding machine

WIDOS sheet welding machine PSM series

The new generation of WIDOS sheet welding machines has been developed in order to fulfill the highest demands in the field of sheet and board processing of all customary thermoplastics. The machines stand out due to the highest stability and precision of the basic machine with all necessary supplements and include the latest innovative gear conceptions for the realization of the most different demands. Pneumatic or servo-based systems are available for all machine types as driving power for the welding movement. The combination of a high-quality drive unit and the most modern controlling technology is setting new standards regarding velocity, exact position placing as well as power adjustment. It enables welding methods with welding force limitations or pressure adjustment as well as their special linking. An innovative system for a safe sheet clamping has been developed with a single-sided quick-action unlocking system that can increase the highest clamping forces of over 100 KN even with the smallest version. The pneumatic pressures needed here-with are located in a standard area of 6 bar in order that no special high pressure provision is necessary. For

special demands it is possible to shift the clamping bars on the tables or supplement them in duplicate. Vacuum systems as position aid and support resp. for the gentle clamping of delicate pieces are available with all machines. Additional systems with adjustable dimension pre-selections enable a comfortably vertical clamping for the production of angles. Lateral jibs with ball-bearing supports and sloping stops as well as facilities for the rounding are of course available. The non-bending heating elements that compensate the heat-conditioned stretching are anti-stick coated and exactly adjusted in several zones. The standard volume includes a stageless height adjustment for the production of angles besides an integrated adjustment plate for a simple sheet position placing. A further highlight is the outstanding process control WIDOS CNC 3.0 (see page 23). The machines are available with different configurations in order that a suitable version can be offered for every possible application case. Special configurations are available on request.

Set composition

type	key	conditions
drive type		
pneumatic	- 1 P	in the basic configuration at 6 bar provision pressure up to max. ca. 7,5 KN
servo-controlled (only with CNC)	- 2 P	extension up to max. ca. 15,0 KN
	- 3 P	extension up to max. ca. 22,5 KN
	- S 10	in the basic configuration up to max. appr. 10 KN
	- S 20	extension up to max. ca. 20,0 KN
	- S 30	extension up to max. ca. 30,0 KN
- S 40	extension up to max. ca. 50,0 KN	
control unit		
manual (only possible for drive - P)	- M	manual control unit resp. all machine movements are executed by pressing a key. Only the needed time parameters can be entered in a simple SPS.
CNC-controlled (possible for drive - P, compulsory for drive - S)	- CNC	A fully automatic process control unit based on the WIDOS CNC 3.0 with multiple adjusting and recording functions.
additional options		
lateral jibs	- 6x SA	2 m width up to max. 6 pcs (3 pcs/page) 3 m width up to max. 6 pcs (3 pcs/page) 4 m width up to max. 8 pcs (4 pcs/page) 5 m width up to max. 8 pcs (4 pcs/page) additional widths on request, also available as supplement!
printing zones	- 2x DZ	A pressure zone per clamping bar is planned in the basic configuration, up to max. two pressure zones per bar available!
print booster	- DB	Increases the available starting pressure by two, in order to reach twice the welding force with pneumatic machines and twice the clamping force with all machines, also available as supplement!
vacuum support	- V	Is divided into several zones that can be switched in manually.
remote controlled clamping bar	- FB	Additional mobile keyboard with carrying belt for the clamping and loosening of the clamping bars besides the standard operation by display resp. foot pedal.
rounding aid	- RH	Electrically driven facility based on chains for the turn-over of the first single-sided clamped sheets for the fabrication of round receptacles.
sheet lifting device	- PA	Pneumatic system for lifting the welding bead above table level.
vertical clamping plate	- SP	Facility for the vertical mounting of the sheets when welding angles instead of the standard bars.

WIDOS hand-held socket welding devices



WIDOS socket heating elements

Socket fusion tools with electronic or thermostatical temperature control for the reception of teflon-coated heating spigots and sockets from OD 16 up to OD 125 mm (depending on the model). All tools are equipped with on/off-switch, mains control lamp and interval control lamp for heating intervals. For support on the building site or in the workshop various holding devices and a steel carrying case are available.

Special voltages and dimensions upon request.

Set composition

Description	Qty.	kg	Order-no.
Multi 2/2 T 230 V/315 W, OD 16 - 32 mm	1	1,4	HM22E230
Multi 2/2 E 230 V/315 W, OD 16 - 32 mm	1	1,4	HM22T230
Multi 2/3 T 230 V/500 W, OD 16 - 32 mm	1	1,5	HM23E230
Multi 2/3 E 230 V/500 W, OD 16 - 32 mm	1	1,5	HM23T230
Multi 3/2 T 230 V/700 W, OD 20 - 63 mm	1	2,3	HM32E230
Multi 3/2 E 230 V/700 W, OD 20 - 63 mm	1	2,3	HM32T230
Multi 3/3 T 230 V/850 W, OD 20 - 63 mm	1	2,5	HM33E230
Multi 3/3 E 230 V/850 W, OD 20 - 63 mm	1	2,5	HM33T230
Socket fusion tool 16-90 mm (thermostatical), 630 W	1	1,6	HM0090T
Socket fusion tool 16-90 mm (electronic), 630 W	1	1,6	HM0090E
Socket fusion tool 16-160 mm (thermostatical), 1150 W	1	3,6	HM0160T
Socket fusion tool 16-160 mm (electronic), 1150 W	1	3,6	HM0160E
Spigots and sockets (PTFE grey)			
OD 16	1	0,1	HD016S
OD 20	1	0,1	HD020S
OD 25	1	0,1	HD025S
OD 32	1	0,2	HD032S
OD 40	1	0,3	HD040S
OD 50	1	0,4	HD050S
OD 63	1	0,6	HD063S
OD 75	1	1,0	HD075S
OD 90	1	1,5	HD090S
OD 110	1	2,2	HD110S
OD 125	1	3,0	HD125S
Accessories:			
Table clamp	1	0,2	
Clamping piece	1	0,1	HM001
Steel carrying case Multi 2	1	4,0	TK0022
Multi 3	1	4,0	TK0033
Steel carrying case MH 0090	1	5,0	TK0200
MH 0160	1	5,0	TK0200
Floor rack	1	0,3	

WIDOS hand-held heating elements



WIDOS Hand-held heating tools

WIDOS hand-held heating tools in round or rectangular design with electrical (digital temperature display possible) or thermostatical temperature control, with teflon coating. All tools are equipped with on/off-switch, mains control lamp and control lamp for heating intervals. For support on the building site or in the workshop various holding devices, a steel carrying case and several heat-protected boxes are available. At heating tools with electrical control, the temperature control and adjustment are according to DVS 2208.

Special voltages and dimensions upon request.

Set composition

Description	Qty.	kg	Order-no.
Heating tool Ø 90 mm, thermostatical (230 V/315 W)	1	2,0	H0090T
Heating tool Ø 90 mm, electrical (230 V/315 W)	1	2,0	H0090E
Heating tool Ø 120 mm, thermostatical (230 V/500 W)	1	2,0	H0120T
Heating tool Ø 120 mm, electrical (230 V/500 W)	1	2,0	H0120E
Heating tool Ø 200 mm, thermostatical (230 V/800 W)	1	2,5	H0200T
Heating tool Ø 200 mm, electrical (230 V/800 W)	1	2,7	H0200E
Heating tool Ø 295 mm, thermostatical (230 V/1500 W)	1	6,0	H0320T
Heating tool Ø 295 mm, electrical (230 V/1500 W)	1	6,2	H0320E
Heating tool □ 150 x 150 mm, thermostatical (230 V/750 W)	1	2,5	H0150VT
Heating tool □ 150 x 150 mm, electrical (230 V/750 W)	1	2,5	H0150VE
Heating tool □ 250 x 250 mm, thermostatical (230 V/2000 W)	1	4,5	H0250VT
Heating tool □ 250 x 250 mm, electrical (230 V/2000 W)	1	4,5	H0250VE
Accessories:			
Table support	1	0,1	HM002
Steel carrying case H 0120	1	3,5	TK02001
H 0200	1	3,5	TK0200
H 0150 V	1	3,5	TK02003
H 0320	1	4,5	TK0320
H 0250 V	1	4,5	TK03201

Miniplast 2 IR/WIDOS 1500 IR 1501 E CNC/2501 E CNC/2500 S CNC

clean room technology



Miniplast 2 IR WIDOS 1500 IR 1501 E CNC/2501 E CNC 2500 S CNC

Fully automatic workshop machine for the welding of pipes and fittings out of polyolefines, floor plastics and chlorinated plastics with fully automatic-controlled program run and welding protocol memory on RAM or PCMCIA card. The input of the welding parameters and access authorizations is effected via barcode, PCMCIA or keyboard of the CNC-control unit. Interfaces for the connection of a serial printer and data transmission to a computer for the measurement evaluation and diagnosis are included. Due to a special order a combined joining way pressure control is guaranteed. The basic machine includes four separated basic clamping tools, anodized aluminium reducer inserts, a barcode reading pencil and a PCMCIA memory card. The left

machine table is horizontally and the right one vertically adjustable. The planer with gear motor, the anodized planer discs as well as the heating element automatically move in and out by program control. The high temperature heating element (up to 530° C) with stops for a touchless butt welding can also be used for the butt welding according to DVS 2207 due to its changeable anti-stick coating sheets. An external printer for self-adhesive stickers is available for the weld identification and is linked to the machine by means of special cables. Also available manual IR welding devices:
WIDOS 1500 IR (OD 20 - OD 63 mm)
WIDOS Miniplast 2 IR (OD 20 - OD 110 mm)

Set composition

Description	Qty.	kg	Order-no.
1501 E CNC (OD 20 - 90)	1		6230230
2501 E CNC (OD 63 - 315)	1		4630230
external printer for self-adhesive stickers	1		
special stickers	1 SET		
replacement printer ribbon	1		6200230
1500 IR (OD 20 - 63)	1		
Miniplast 2 IR (OD 20 - 110)	1		
2500 S CNC (OD 63 - 315)	1		

WIDOS 2500 P



WIDOS 2500 P

Pneumatic welding machine with simple SPS-control for the input of the time parameters and thermostat. All movements of the machine, heating element and table, are made pneumatically. The necessary welding force is adjusted by means of a pressure relief valve; the standard version reaches a working pressure up to 12 bar, the maximum force of the table however can be adapted to the single applications.

Due to its bench-type design, the machine can be easily transported and mounted. The machine's basic equipment is delivered without clamping devices for the pieces to be welded. Upon request, our constructing engineers will design such clamping devices according to the different applications. Just ask for our ideas!

The standard heating element (working Ø 190 mm) is equipped with nonstick-coating, connecting cable with

plug, control lamps for interval, on/off switch and electronic temperature control.

Basic frames, specific clamping devices for the pieces to be welded and packing for the transport upon request.

Set composition

Description	Qty.	kg	Order-no.
basic machine with control unit (230 V)	1		
heating element depending on demand	1		
clamping tools			on request

WIDOS serial welding machines

WIDOS 2500 S/P CNC



serial welding machines

Serial welding machines WIDOS 2500 S/P CNC

The serial welding machines of the product line WIDOS 2500 CNC are available in different models and classes of performance. According to your application you have the choice between the pneumatic model (WIDOS 2500 P CNC) and the servocontrolled variant (WIDOS 2500 S CNC), the performance being adapted to each single application. Basically, the drives can also be combined in order to meet special requirements. A common equipment of all models is the process-orientated control WIDOS CNC 3.0 for easiest handling and exact control of all parameters. Depending on the model, the machines have pneumatic or electric systems for handling and welding motions. The pneumatic systems of the WIDOS 2500 P CNC are mainly used for welding jobs with lower demands on precision of different ways and forces during the joining process. They allow welding forces being adjustable in smaller limits, however are mainly used for applications with motions onto a limit position. Essentially more flexible in positioning and exactly controllable in higher ranges of force is the servo-controlled system of the WIDOS 2500 S CNC. This system is mainly used in applications where diffe-

rent ways have to be driven and combinations of force and way control are necessary. The machines were developed especially for the fabrication of mean and larger weld series. The solid construction of all drives and guidances allow short cycle times at high repeat rates and precision. To fulfill practically all requirements, a large number of different heating elements and other energy sources are available, such as infrared radiators and contact heating elements which can be mounted directly. For a welding process by means of friction, induction or ultrasonic, the necessary customer specific equipment is mounted. The work pieces can be fixed in different mechanic or pneumatic systems which are specially produced according to your pieces. The standard dimensions of the work pieces' faces are limited to 250 x 250 mm. In case of larger pieces, the realization even of special designs and special solutions is possible. In general, practically all welding methods for the respective plastic materials and processing conditions can be realized.

Set composition

Description	Qty.	kg	Order-no.
<p>Do you need further information on WIDOS serial welding machines? In this case please send us a short description of your problem and a project sketch.</p> <p>We will get in contact with you as soon as possible.</p>			



WIDOS thermometer
with surface sensor
Measuring range up to 250° C
1 m feed line
Art.-No. TM1100 0,03 kg



WIDOS timer
for supervising the heating and cooling sequences with 2 times counting downwards
Art.-No. TMZ1000 0,01 kg



WIDOS pipe cleansing cloths
Art.-No. W-RRT 0,05 kg
Refill packet
Art.-No. W-RRTN 0,05 kg



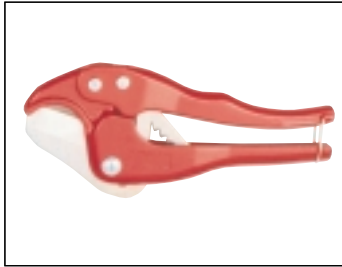
WIDOS pipe squeezing device 63
combined squeezing and rounding device in suitcase
Art.-No. 180000 ICP 10,00 kg



Deburrer with special blade
Deburrer with special blade
Art.-No. W550190 0,02 kg
Spare blade
Art.-No. W550191 0,01 kg



WIDOS high-lighter silver
Art.-No. W-MARKER 0,01 kg



WIDOS pipe shears
size 1, 0-26 mm
Art.-No. W550026 0,3 kg
size 2, 0-42 mm
Art.-No. W550042 0,5 kg
size 3, 0-63 mm
Art.-No. W 550063 1,2 kg



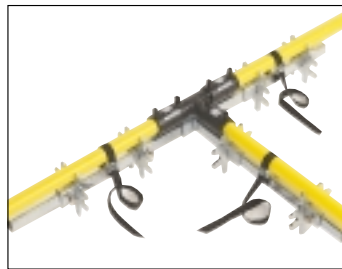
WIDOS pipe cutting equipment
size 1, 6-63 mm
Art.-No. W550100 0,7 kg
size 2, 50-116 mm
Art.-No. W550110 1,5 kg
size 3, 110-168 mm
Art.-No. W550120 1,7 kg
Replacement cutter wheel size 1
Art.-No. W550101 0,05 kg
Replacement cutter wheel size 2 + 3
Art.-No. W550111 0,05 kg



WIDOS pipe chamfering equipment
size 1, 16-75 mm
Art.-No. W510200 0,75 kg
size 2, 32-250 mm
Art.-No. W510300 1,00 kg
size 3, 250-500 mm
Art.-No. W510500 3,20 kg
Replacement cutter
Art.-No. MES040 0,05 kg



WIDOS manual scraper
to scrape the pipe for electrofusion
Art.-Nr. W-ZK 0,01 kg



WIDOS quadruple holder device
holder device size 1
for OD 20, 25, 32 and 40 mm
Art.-No. 411001 20 kg
holder device size 2
for OD 50, 63, 75 and 90 mm
Art.-No. 411002 24 kg
holder device size 3
for OD 110, 125, 160 and 180 mm
Art.-No. 411003 37,5 kg

WIDOS product range

workshop welding machines

WIDOS Miniplast 2
(20 - 110 mm)
WIDOS Maxiplast
(50 - 160 mm)
WIDOS 2500 (50 - 315 mm)
WIDOS 4001 (90 - 315 mm)
WIDOS 4002 (90 - 315 mm)
WIDOS 4002 S CNC
(90 - 315 mm)
WIDOS conversion kit
(up to 450 mm)
WIDOS 5002 (160 - 500 mm)
WIDOS 5002 S CNC
WIDOS 7002 (200 - 630 mm)
WIDOS 7000 S CNC
WIDOS 12002 (400 - 1200 mm)
WIDOS 12002 S CNC
WIDOS t-piece device
90°/60°/45° up to OD 1200
WIDOS welding tables up to
4 sqm welding surface

socket welding machines

WIDOS 75 (20 - 75 mm)
WIDOS 3500 (20 - 110 mm)
(20 - 125 mm)
WIDOS 3600 (63 - 160 mm)

building site welding machines

WIDOS 4400/4600/4900
(50 - 315 mm)
WIDOS 5100/5500/6100
(200 - 630 mm)
WIDOS HRG 8, 10, 12, 14, 16, 18
(630 - 1800 mm)
WIDOS 8000/10000/12000/
14000/16000/18000/20000
(up to 2000 mm)

WIDOS SPA 600

WIDOS CNC 3.0

pipe saws and cutting devices

WIDOS pipe cutter
(up to 315 mm)
WIDOS on-site saws
(110 - 2000 mm)
WIDOS workshop bandsaws
(up to 2000 mm)

WIDOS sheet welding machines

WIDOS outside and inside debeader

WIDOS outside debeader
(OD 20 - 1000 mm)
WIDOS inside debeader 160
(DI 90 - 160 mm)
WIDOS inside debeader 300
(DI 160 - 300 mm)
WIDOS inside debeader 500
(DI 300 - 500 mm)

WIDOS hand-held heating elements, pipe cutter, tools and accessories

WIDOS hand-held heating
elements round and angular
WIDOS hand-held socket
heating elements
WIDOS pipe squeezing devices
WIDOS chamfering devices
WIDOS accessories

WIDOS clean room technology

WIDOS testing technology

WIDOS testing devices for the
technological bending and draft-
ing trial
WIDOS bending angle measur-
ement instrument

WIDOS sanitary tools

WIDOS special machines



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e-mail _____

please send us information and brochures without obligation on:

- workshop welding machines Ø from/up to _____ ?
- socket welding machines Ø from/up to _____ ?
- building site welding machines Ø from/up to _____ ?
- SPA 600
- CNC 3.0
- pipe saws and cutting devices Ø from/up to _____ ?
- outside and inside debeader
- sheet welding machines
- special machines
- WIDOS hand-held heating elements, pipe cutter, tools and accessories
- other _____



WIDOS
W. Dommer Söhne GmbH
Einsteinstraße 5
D-71254 Ditzingen-Heimerdingen
Telefon +49 (0) 71 52 / 99 39-0
Callcenter +49 (0) 71 52 / 99 39-99
Telefax +49 (0) 71 52 / 99 39 40
www.widos.de · info@widos.de



Plastic Welding Technology

WIDOS
W. Dommer Söhne GmbH
Einsteinstraße 5
D-71254 Ditzingen-Heimerdingen
Telefon +49 (0) 71 52 / 99 39-0
Callcenter +49 (0) 71 52 / 99 39-99
Telefax +49 (0) 71 52 / 99 39 40
www.widos.de · info@widos.de

Since 1967 WIDOS has been constantly researching new technical solutions on this special field; developing and supplying devices for the heating element butt and socket welding.

WIDOS devices are outstanding with respect to the quality of the weldings and thus ensure a secure piping system. The mature construction and the solid workmanship guarantee a high economy.

Due to our practical experience achieved in decades and the close cooperation with leading pipe and fitting manufacturers, we have gained a knowledge that is out of competition worldwide. We have about a 100 qualified employees, subsidiaries in most european countries, representatives and agencies all over the world and thus are today the competent and reliable partner, even long after the actual

sale - from the frank consulting to a service you can count on.

This product overview is intended to show you our extensive product range and service. Of course we know that special tasks sometimes require for special solutions. And even here you can absolutely rely on us. Please get in touch with us if you did not find your ideal solution here at once.

