

THE FUTURE OF WELDING

WI-CNC® 6.0

CNC-welding of the
next generation



WI-CNC® 6.0

WIDOS presents the next generation of CNC welding: WI-CNC® 6.0. The new control unit features full process reliability, innovative connectivity, smart technology, easy operation and excellent compatibility.

Protocol viewer			
Machine	WI CNC 4600	Set value	Actual value
Serial Nr.	06140005	HE Temperature	220 °C
Consecutive Nr.	11	Bead up	219 °C
User	AN	Bead up	1.5 mm
Material	SIM 3.0g/DVS	Preheating	01m:38s
Pipe OD	118.0 mm	Max. Change over time	07s
Pipe Thick	8.1 mm	Max. Ramp time	04s
SDR	26	Cooling I	10m:54s
Drag Pressure	5.2 bar		9.5 bar
Error	Parameters OK		
Welding date	28.08.2018 14:52	Project name	PROTOCOL

Print report

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FULL PROCESS RELIABILITY

Advanced monitoring of the WI-CNC® 6.0 ensures consistent process reliability. All commonly used welding standards are available (ASTM, DVS, ISO, PROFUSE, WIS, INSTA, NORDIC). Welding according to the chosen standard becomes an easy task with display notifications.

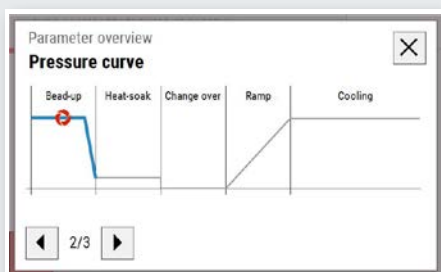
All welding parameters are monitored and logged automatically during the welding process, exceeding the requirements of ASTM F3124. The control unit holds the capacity for over 90,000 welds, which can be saved on USB stick in PDF format. Up to 20 different projects can be created and selected directly, which assures exact traceability to each project.

Accessing the control unit requires the identification of the operator for accurate traceability. Traceability barcodes according to ISO 12176-4 can be entered and processed easily with the optionally available barcode scanner.



INNOVATIVE CONNECTIVITY

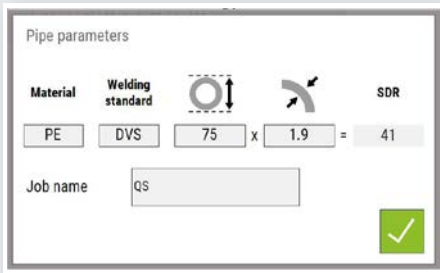
With its innovative connectivity, the WI-CNC® 6.0 offers state-of-the-art operation: you can program, monitor and remotely control the welding process conveniently via your mobile device (tablet, smartphone). Through the connection between WI-CNC® 6.0 and mobile device, all welding parameters and protocols are visible at a glance. Weld logs can easily be transferred, stored and managed on your device. In addition, connectivity makes it possible to operate the welding machine via remote control.



SMART TECHNOLOGY

The programming of the WI-CNC® 6.0 has been designed with users' requirements in mind. All relevant welding data is readily visible through the ParameterOverview. The overview adapts to the welding process and shows data applicable to the current state of welding. In addition, the WI-CNC® 6.0 contains many additional functions that facilitate the welding process. The SlopeControl, for example, ensures compliant welding during heat-up on an uneven ground, despite stronger drag forces. The pressure curve visualizes the current state of the weld. The advanced weather ability allows the controller to be fully operational from 0° C to 50° C (30°F to 120°F). The weatherproof display is also suited for harsh environments and has an International Protection Code of IP65.

The WI-CNC® 6.0 PowerLineTechnology controls the heating element by combining the power line with the data line. The temperature of the heating element is regulated automatically, regardless of the outside temperature.



EASY OPERATION

Operating the control unit is extremely user friendly. The self-explanatory menu and icons ensure effortless program navigation. The brilliant 7" color touch screen is very easy to read. A large alpha-numeric keypad and QuickSelectButtons make data entry - even with gloves - easy and fast. Important project data or welding parameters can be directly selected and entered. Several different languages are available for operators, making it easy to use in many countries.

The WI-CNC® 6.0 monitors the maintenance schedule, making the next service appointment visible on the screen. The WI-CNC® 6.0 will signal when the maintenance is due as well as letting the operator know when the maintenance interval has been exceeded.



EXCELLENT COMPATIBILITY

Outstanding compatibility with multiple WIDOS basic machines is a key feature of the WI-CNC® 6.0. The modular concept reduces the investment costs and enables welding of pipes or twin wall pipes from OD 50 to OD 630. Machines from WIDOS 4400 to WIDOS 6100 can be coupled with the WI-CNC® 6.0. Hydraulic models of these basic machines can be upgraded for use with the CNC unit, other models are available on request. Additionally, the WI-CNC® 6.0 heating element can also be used with all hydraulic WIDOS machines.

SUSTAINABILITY

The WI-CNC® 6.0 was developed according to the latest technical and ecological standards. In the EcoMode, the heating element switches to a standby temperature and ensures low power consumption.

EXTENSIONS

A label printer for the WI-CNC® 6.0 is optionally available. The WI-CNC® 6.0 is extendable with a barcode scanner.

SPECIAL FEATURES

Hydraulic control unit	Connectivity	Parameter Overview	Slope Control	Quick Select Buttons	Power Line Technology	EcoMode
WI-CNC® 6.0	●	●	●	●	●	●
WI-CNC® 6.0 Model 16A	●	●	●	●	●	●

TECHNICAL DATA

Hydraulic control unit	compatible with*	Pipe diameter* OD (mm)	Voltage Volts	Power kW	Welding standard*
WI-CNC® 6.0 (Art.-No. 106060021)	WIDOS 4400	50 - 160	230	3,3	DVS ASTM WIS ISO PROFUSE INSTA NORDIC
	WIDOS 4600	75 - 250	230	3,6	
	WIDOS 4900	90 - 315	230	3,6	
	WIDOS 4911	90 - 355	230	3,6	
	WIDOS 4955	90 - 355	230	3,6	
	WIDOS 5100	200 - 450	230	3,6	
WI-CNC® 6.0 Model 16A (Art.-No. 10606002316)	WIDOS 5500	200 - 500	400	8,4	
	WIDOS 6100	315 - 630	400	8,5	

*others on request

Subject to technical modifications



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