

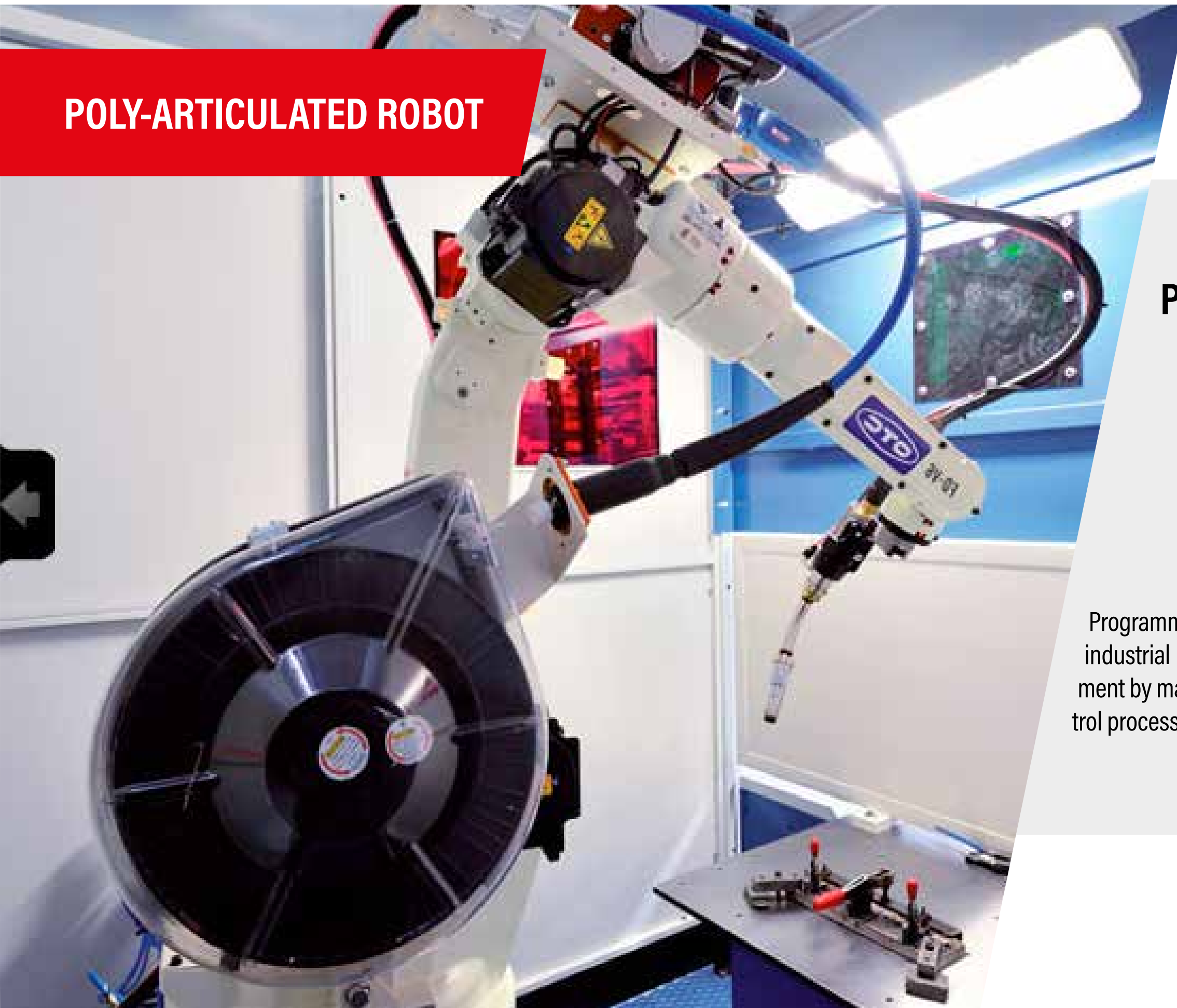


TELWIN AUTOMATION SYSTEM

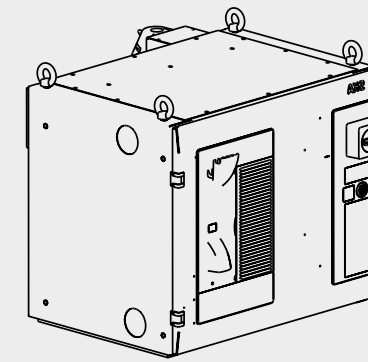
W OUR
SOLUTIONS

SOLUTIONS

POLY-ARTICULATED ROBOT



PLC CONTROL UNIT



Programmable Logic Controller (PLC) is an industrial computer used to automate equipment by managing inputs and outputs to control processes in real time.

COLLABORATIVE ROBOT



A polyarticulated robot is a highly flexible robotic arm equipped with multiple joints, enabling it to perform complex movements in multiple axes for precise tasks.

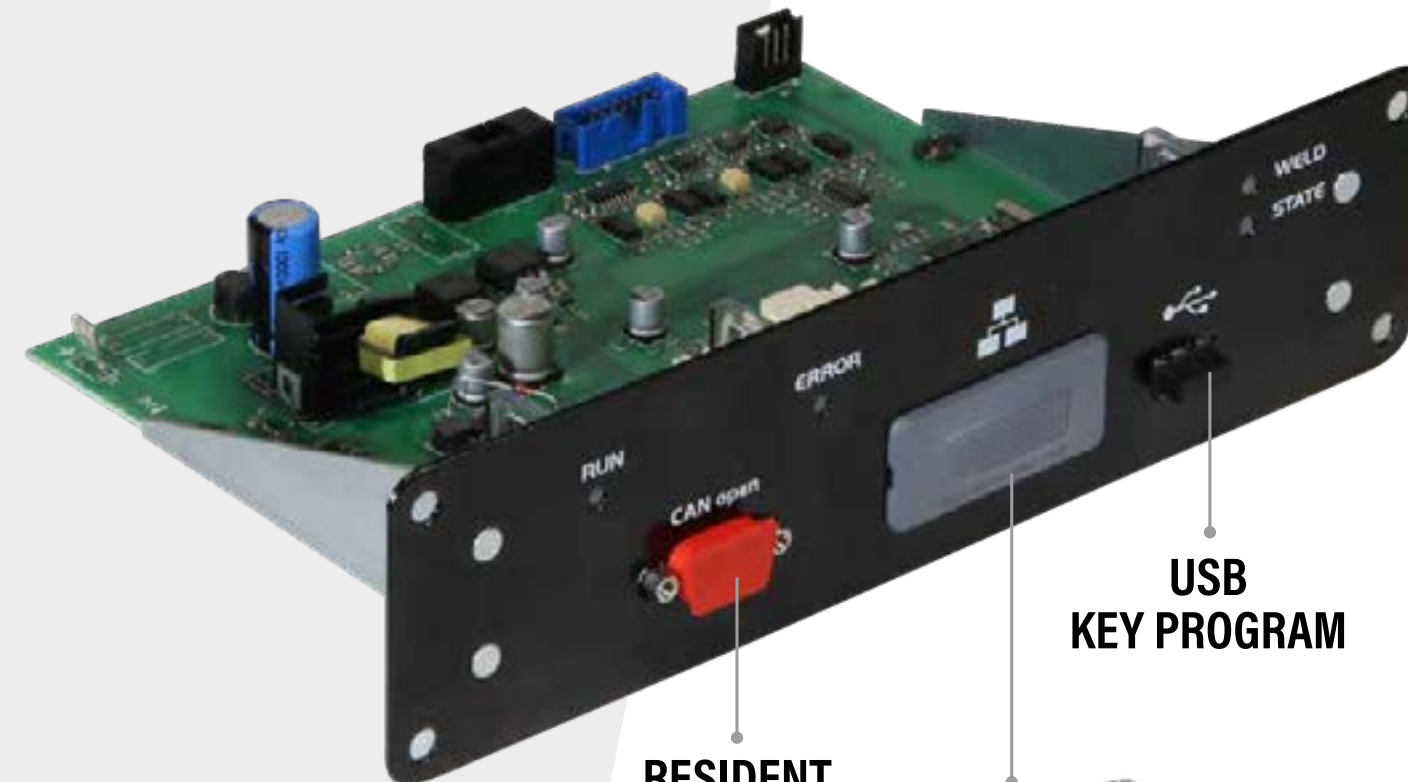
A collaborative robot, or cobot, is designed to work alongside humans, performing various tasks without requiring safety barriers. It is easy to install and use.

WIRE FEEDER



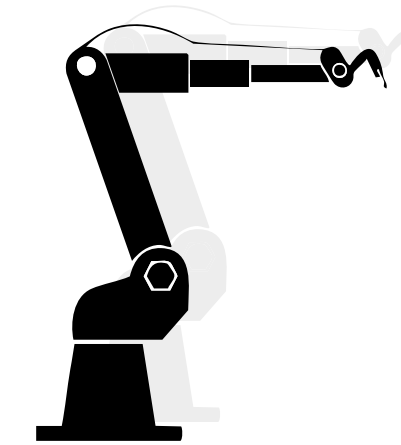
WELDING MACHINES

INVERPULSE R 60.40
WAVE



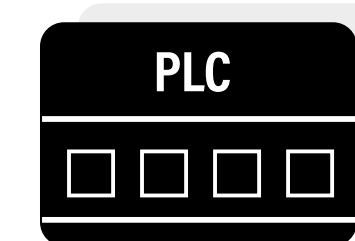
ANYBUS MODULE

- Profibus
- Ethernet/IP
- EtherCAT
- CANopen
- profiNET
- more modules under development



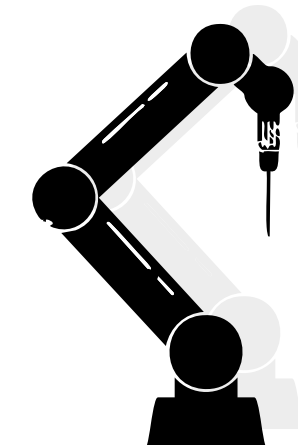
ROBOT

- ABB
- COMAU
- FANUC
- HYUNDAI
- KAWASAKI
- KUKA
- MITSUBISHI
- STÄUBLI
- YASKAWA
- ETC.



AUTOMATED SYSTEMS CONTROL

- DELTA
- OMRON
- ROCKWELL
- SCHNEIDER
- SIEMENS
- ETC.



COBOT

- ABB
- DOBOT
- DOOSAN
- FANUC
- HANWHA
- JAKA
- KASSOW
- OMRON
- TECHMAN
- UNIVERSAL ROBOT
- ETC.

MIG WELDING INTERFACE



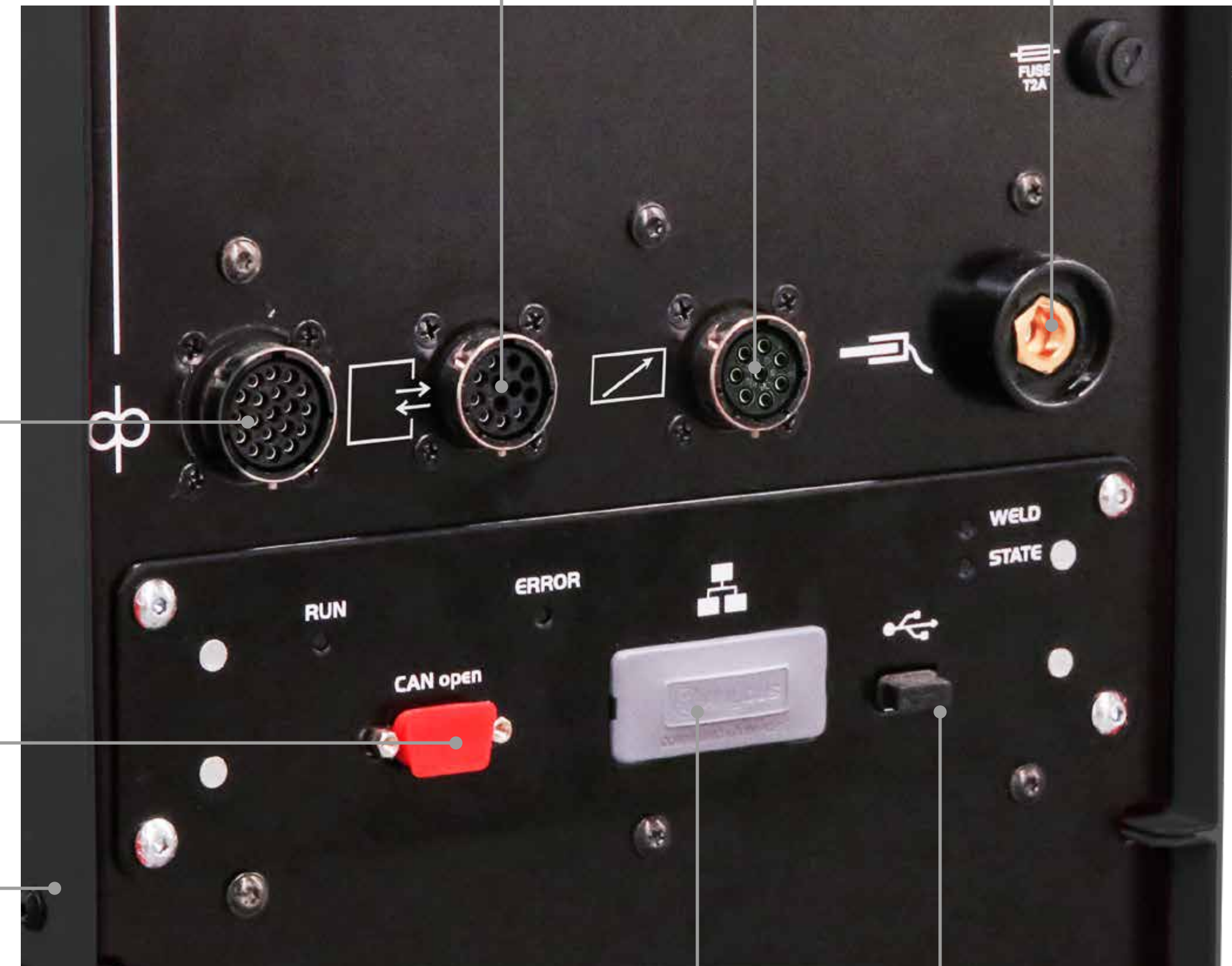
19P CABLE CONNECTOR
TO WIREFEEDER

RESIDENT
CAN OPEN

INPUT/OUTPUT
FAST SIGNALS

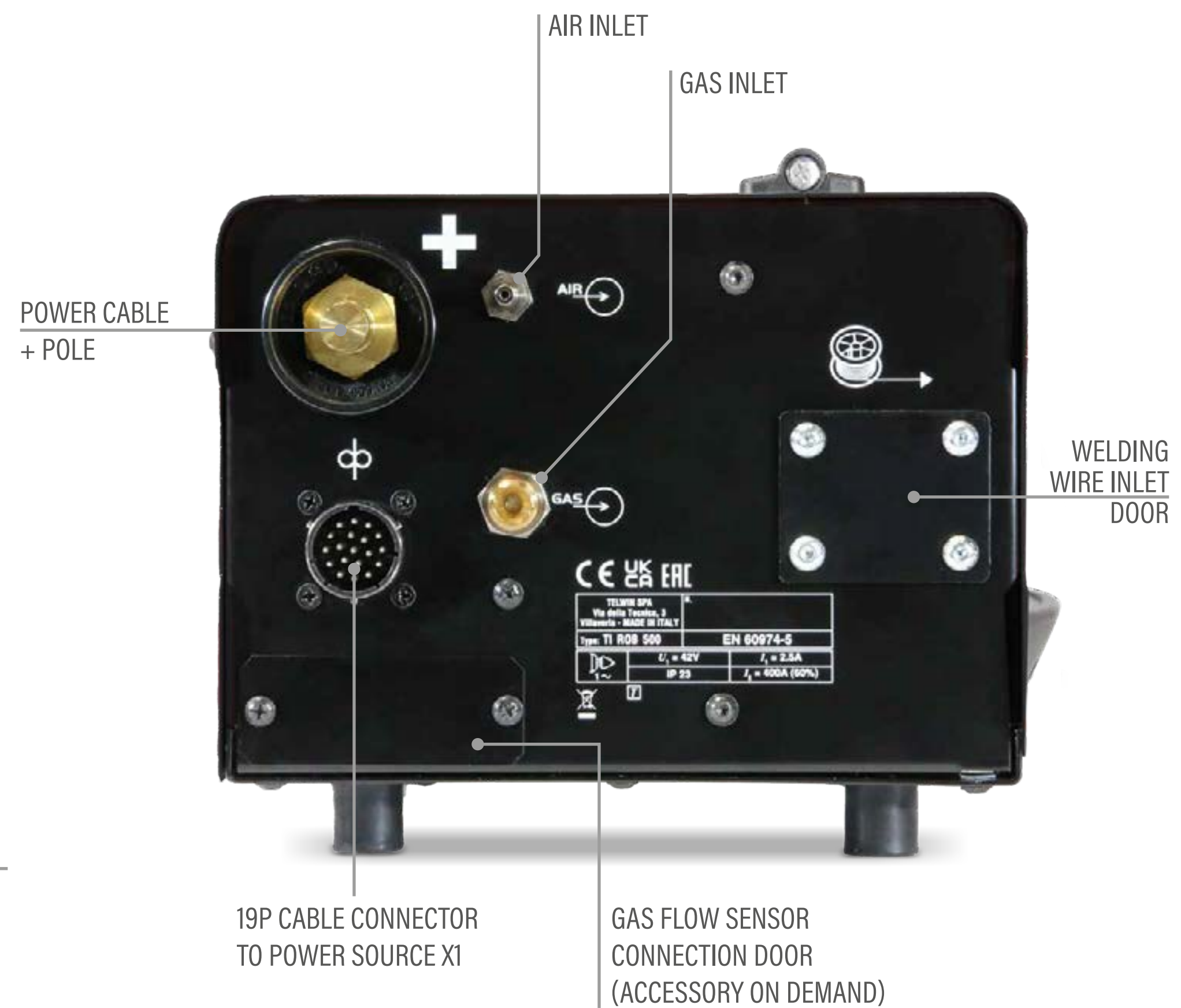
REMOTE CONTROL
PANEL

PRECISE ARC WELDING
VOLTAGE MEASUREMENT



ANYBUS MODULE

USB INPUT



Brand	Part Numbers	Code
FANUC	M - 20iA/20M	803282
	M - 20iA/20MT	803282
	M - 20iA/35M	803282
	M - 20iA/35MT	803282
	ARC Mate 100iD	803280
	ARC Mate 100iD/10L	803280
	ARC Mate 100iD/8L	803280
	ARC Mate 120iD	803280
	ARC Mate 120iD/12L	803280
	ARC Mate 120iD/35	803280
	M - 10iD	803280
	M - 10iD/10L	803280
	M - 10iD/8L	803280
	M - 20iD	803280
	M - 20iD/12L	803280
	M - 20iD/35	803280
HYUNDAI	HA006B	803282
	HA006L	803282
	HH010L	803282
	HH020	803282
ABB	IRB 1660ID	803555
	RB 4600	803556
	IRB 1520 ID	803557
	IRB 6600	803558

Brand	Part Numbers	Code
Kawasaki	RA006L	803282
	RA010L	803282
	RA010N	803282
	RA020N	803282
	BA006L	803279
	BA006N	803279
YASKAWA	AR1440	803278
	AR1730	803278
	AR2010	803278
	HP20RD	803561
KUKA	KR 10 R1440-2	803282
	KR 12 R1810-2	803282
	KR 16 R1610-2	803282
	KR 16 R2010-2	803282
	KR 20 R1810-2	803282
	KR 22 R1610-2	803282
	KR 6 R1840-2	803282
	KR 8 R1640-2	803282
	KR 8 R2010-2	803282
	KR 6 R1840 arc HW	803281
	KR 8 R1440 arc HW	803281
	KR 8 R1620 arc HW	803281
	KR 8 R1640 arc HW	803281



803561

CONNECTION CABLE

	804276	70 MMQ 1.5 M "R"
	804279	70 MMQ 15 M "R"
	804282	70 MMQ 5 M "R"
	804727	70 MMQ 10 M "R"
	804277	70 MMQ 1.5 M AQUA "R"
	804278	70 MMQ 15 M AQUA "R"
	804283	70MMQ 5 M AQUA "R"
	804604	70 MMQ 30 M AQUA "R"
	804728	70 MMQ 10 M AQUA "R"

MEASUREMENT CABLE

804601	16MMQ 30M AX25 "R"
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WORK CLAMP + CABLE

	804222	70MMQ 3M AX70
	804605	95MMQ 15M AX95
	804606	95MMQ 30M AX95

GAS REGULATOR

	722346	GAS REGULATOR 2 MAN. S 32 L\MIN
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WIRE FEEDER ROLLS

	743101	FE Ø 0.6-0.8 GN&BU "R"
	743102	FE Ø 0.8-1.0 BU&RD "R"
	743103	FE Ø 1.0-1.2 RD&OG "R"
	743104	FE Ø 1.2-1.6 OG&YE "R"
	743105	AL Ø 0.8-1.0 BU&RD "R"
	743106	AL Ø1.0-1.2 ST4 RD&OG "R"
	743107	AL Ø 1.2-1.6 OG&YE "R"

"R" FLOW SENSOR KIT

804742	FLOW SENSOR KIT
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GAS CONNECTION

804966	GAS FITTING
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CABLES

804955	12-PIN QUICK I/O CABLES 4 M "R"
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WI-FI/ETHERNET MODULE

	804271	WI-FI/ETHERNET RS 485 24V "R"
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REMOTE PANEL

804942	REMOTE PANEL KIT R 4,3" 10M
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MODULE KIT

	982755	MODULE KIT CANOPEN "R"
	982756	MODULE KIT ETHERNET-IP "R"
	982757	ETHERCAT MODULE KIT
	982850	PROFIBUS "R" MODULE KIT
	982851	PROFINET "R" MODULE KIT

WATER KIT

	804651	WATER CONNECTOR SUPPORT KIT
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GRA

804275	GRA R5500 ROB WATER COOLING UNIT
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GRA COOLING COOLANT 5L

802976



CONVERSION KIT



804791	CONVERSION KIT FOR COBOT "R"
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INVERPULSE R 60.40 WAVE

INVERPULSE R 60.40 WAVE AQUA



TECHNICAL DATA

CODE	816978	816984	Ø STEEL WELDING WIRE	0,6 - 2,4 mm
THREE-PHASE MAINS	230 / 400 V		Ø STAINLESS STEEL WELDING WIRE	0,8 - 2,4 mm
MAINS TOLERANCE	-25% / +15%		Ø ALUMINIUM WELDING WIRE	0,8 - 1,6 mm
MAINS FREQUENCY	50 / 60 Hz		Ø FLUX CORED WELDING WIRE	1 - 2,4 mm
MAX CURRENT DC EN60974-1	400 @ 60% A		Ø BRAZING WIRE	0,8 - 1,2 mm
CURRENT CONTROL RANGE DC	20-500 A		WIRE COIL DIMENSION A Min-Max	200 - 300 mm
CURRENT 60% DC	400 A		FEED ROLLS	4
CURRENT 100% DC	300 A		FEED ROLLS TYPES	R
MAX ABSORBED CURRENT	41 A		Ø FEED ROLLS	37 mm
MAX DC NO LOAD VOLTAGE	85 V		WIRE SPEED RANGE	0,4 - 2,5 m/min
RANGE V OUT MIG	9 - 39 V		SUPPLY CABLE LENGTH	3m
MAX ABSORBED POWER	23 kW		ELECTROMAGNETIC COMPATIBLE CLASS	A
FUSE	25 A		NORM	EN 60974-1; EN 60974-5; EN60974-10
MAX CURRENT DC EN60974-1 230V	330 @ 60% A		INSULATION CLASS	F
CURRENT CONTROL RANGE 230V DC	20-400 A		PROTECTION DEGREE	IP23
CURRENT 60% DC 230V	330 A		DIMENSIONS (LxWxH)	67 X 51 X 107 cm
CURRENT 100% DC 230V	230 A		WEIGHT	74 kg85 Kg
MAX ABSORBED CURRENT 230V	51 A			
MAX DC NO LOAD VOLTAGE 230V	110 V			
RANGE V OUT MIG 230 V	9 - 34 V			
MAX ABSORBED POWER 230V	16 kW			
FUSE 230V	32 A			
ABSORBED CURRENT idle	41 W			
EFFICIENCY	90 %			
Ø USABLE ELECTRODES IN DC	1,6 - 8 mm			



- **ADVANCED WELDING:** supports pulsed and double-pulsed modes (PULSE and PoP) with material-specific waveforms, guaranteeing high-quality aesthetic and functional results.

- **PREINSTALLED SYNERGIC PROGRAMMES:** 98 optimised configurations for different materials and wire diameters reduce setup times and improve efficiency.



- **DEDICATED WELDING ARCS:** :
 - ROOT-MIG: for first pass welds on steel.
 - DEEP-MIG: to speed up welding on large workpieces.
 - ATC: for working on thin thicknesses.

- **HIGH DUTY CYCLE:** enables continuous operation and intensive work cycles.

- **ADVANCED COOLING:** dedicated tunnel system that protects sensitive components from conductive dust, extending the life of the machine.

- **RESISTANCE TO VOLTAGE VARIATIONS:** works reliably even with overvoltages up to +15% and undervoltages up to -25%.

- **CUSTOMISATION OF CURVES ON REQUEST**