WE ARE WELDING

EWM co-bot welding

Solutions for MIG/MAG and TIG welding systems

The EN 1090 WPQR Package is now free of charge!

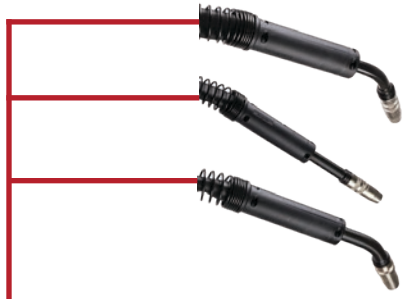
3 Years / 5 Years transformer and rectifier
ewm-warranty*
3 shifts / 24 hours / 7 days
*For details visit www.ewm-group.com

Valid from 2021-06-01

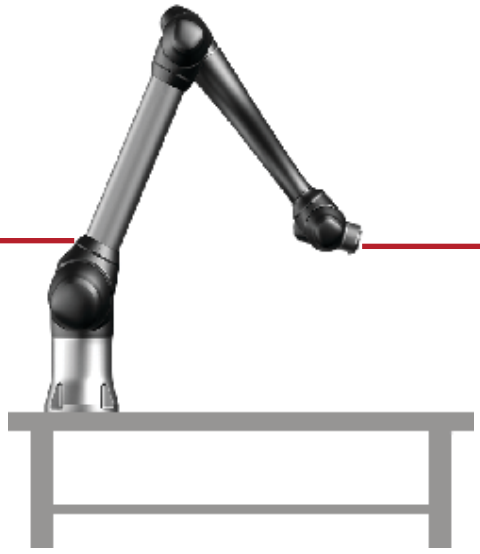
The Phoenix 355 puls Rob is the perfect solution for your co-bot MIG/MAG welding applications.

The compact, multiprocess pulse welding machine with integrated wire feeder is incredibly flexible and comes as a gas-cooled variant or water-cooled with an optional cooling unit. Whether it's the RC version without control with separate RCX operating panel, or with built-in Expert 2.0 control, thanks to our interface variants, deep integration into the co-bot control is easy. In addition to simple solutions with automated and robot welding torches, our robot welding torches can also be used with an additional drive. What's more, you also get our RMT hose packages especially developed for co-bots, which come equipped with three freely assignable function push-buttons. We also offer corresponding components, completely tailored to your automated welding tasks.

AMT automated welding torch
gas/water cooled



Phoenix 355 puls Rob/Phoenix 355 Expert 2.0 puls
gas/water cooled



RMT robot welding torch
gas/water cooled

MTR PP robot welding torch
with push/pull drive,
water cooled

RCX Expert 2.0 Rob (optional)

The Phoenix 355 puls Rob automated welding system can also be used on industrial welding robots or as part of mechanised systems.

Co-bot hose package with push-buttons for
- Wire inching
- Wire return
- Gas test

RMT W C or RMT W CT hose package

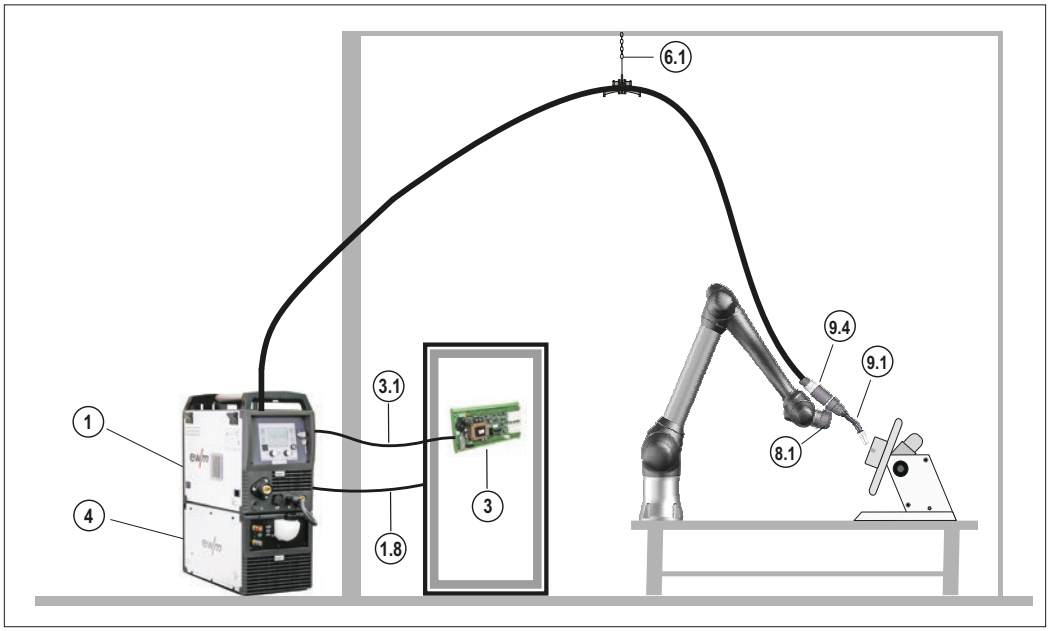
RMT CRX torch holder
(depending on co-bot)
- UNIVERSAL ROBOTS
  UR 5e, 10e, 16e
- Fanuc CRX 10iA
- Yaskawa HC10
- Doosan M Serie
- Hanwha HCR 5, 10

RMT 551 W welding torch
0°, 22.5°, 35°, 45°

"Teach" co-bot hose package
with push-buttons for
- Wire inching
- Wire return
- Gas test

and three freely assignable function push-buttons
for direct connection to the co-bot, e.g. for
- Robot programming
- Teach mode
- Tack function/welding start

Phoenix, water-cooled ■ Pulse ● forceArc ● rootArc
Phoenix 355 co-bot welding robot system



Phoenix 355 Expert 2.0 puls MM TKM Rob

- With Expert 2.0 front control
- With EWM eFeed wire feeder
- Water cooled
- With external BUSINTX11 Mod-bus interface
- As demonstrated on a co-bot welding robot application

Item	Type	Designation	Item no.
1	Phoenix 355 Expert 2.0 puls MM TKM Rob	Multiprocess MIG/MAG pulse welding machine with MULTIMATRIX technology, compact, portable, modular, Expert 2.0 control	090-S05445-04843
1.1	OW CEE 16A/400V	Mains plug, assembled	092-008214-00000
1.2	WK70/CL 5m	Workpiece lead with cable lug	092-002078-00005
1.3	DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	394-002910-00030
1.5	GH 2x1/4" 5m	Gas hose	094-000010-00005
1.8	RA5 19POL 1x 5M	Connection cable, 19-pole, one-sided wire end ferrules	092-001569-00005
3	BUSINT X11 MODBUS TCP	MODBUS industrial bus interface	090-008695-00000
3*	BUSINT X11 PROFINET CU	PROFINET industrial bus interface, copper	090-008232-00000
3*	BUSINT X11 ETHERNET IP	ETHERNET IP industrial bus interface	090-008614-00000
3*	BUSINT X11 ETHERCAT	ETHERCAT industrial bus interface	090-008626-00000
3*	BUSINT X11 PROFIBUS	PROFIBUS industrial bus interface	090-008229-00000
3*	BUSINT X11 DEVICE NET	DEVICE-NET industrial bus interface	090-008230-00000
3*	RINT X12 STANDARD	Robot interface Standard	090-008291-00000
3*	ON PLUG SET RINT X12	Retrofit option EWM plug set for RINT X12/DVINT X11	092-001822-00000
3.1	FRV 7POL 5m	Digital 7-pole cable	092-000201-00003
4	cool50 U40	Cooling unit with centrifugal pump	090-008598-00502
4.1	KF 23E-5	Coolant up to -10 °C (14 °F), 5 l	094-000530-00005
6.1	ON ZWIPA-CONNECTION	Retrofit option, third-party intermediate hose package, strain relief	094-007890-00000
7.4	AK300	Wire spool adapter B300	094-001803-00001
8.1	AF 45° RMT COBOT	Adapter flange	094-026863-00000
9.1	RMT551W 22,5° X230,4 Y46,5	RMT 22.5° torch neck	094-025074-00001
9.4	SP RMT W C KON 400CM EZA	Co-bot hose package, water cooled	094-026998-01400
10.01	GN TR 23 66mm D=17mm	Gas nozzle	094-014180-00001
10.02	CT M9 CuCrZr 1.0mm	Contact tip	094-013530-00001
10.04	LSTC 2.0mm x 4.6mm 4.5m	Steel liner, insulated	094-014223-00501
10.05	CTH M9X32MM CUCRZR RMTW	Contact tip holder	094-025209-00000
10.06	GV RMT 20,2X14,5X22,5MM PTFE	Gas diffuser	094-025495-00000
-	Set PC300 XQ / ANALYZER	Set comprising PC300 XQ and Analyzer software	090-008779-00000
-**	RCX Expert 2.0 Rob 5m	Control panel	090-008809-00005

▶ Image for conceptual purposes. Not all listed items are shown.
▶ For more accessories, options and machine variants please refer to the individual chapters
▶ You can find information about external interface variants in the Accessories chapter
* alternative
** optional

Rob Expert 2.0 control

- Optimised for automated applications
- Expert 2.0 control with intuitive user guidance on LCD panel and plain text display of all welding parameters and functions
- USB connection
- Easy switching of welding processes at the press of a button, e.g. from forceArc/forceArc puls to rootArc/rootArc puls or standard/pulse
- Setting of all parameters in program sequence
- Administration of access rights for different control operating levels using the Xbutton
- Wire feed speed specifications
- Arc length correction
- Adjusting the arc dynamics (choke effect) from soft to hard
- Standby function (save energy at the press of a button)
- Kilowatt display for calculating the energy per unit length
- Effective arc power for calculating the energy per unit length
- Electronic gas setting with control and monitoring of gas quantity (option)

Operation mode	Synergic operation
Welding process	MIG/MAG
	MIG/MAG pulse
	TIG lift arc
	MMA
	forceArc®
	forceArc puls®
	rootArc®
	rootArc puls®
	Superpuls
	Gouging
Parameters in display	Welding current
	Welding voltage
	Wire feed speed
	JOB number
	Program number
	Error code
	Effective arc power
	Motor current
	Kilowatt indicator
Freely adjustable programs per JOB	15
Number of JOBs	335, depending on power source
MMA functions	Hotstart
	Arcforce
	Antistick

Phoenix puls ■ Rob 355 RC compact

MULTIMATRIX

/rootArc® /rootArc® puls
/forceArc® /forceArc® puls
/Impuls
/superPuls

- Multiprocess MIG/MAG pulse welding machine without front control
- Compact inverter welding machine with integrated wire feed mechanism
- Set up on external operating panel or notebook with PC300.NET software
- Push/pull capability when used with EWM MTR242W PP and MTR500W PP welding torches
- Equipped at no extra charge with EWM Synergic characteristics for forceArc, forceArc puls, rootArc, rootArc puls and superPuls
- Equipped at no extra charge with Synergic characteristics for GMAW welding of steel/CrNi/aluminium
- Standard-series 19-pole interface for automated welding, for e.g. (Start/stop, current flows, emergency stop)
- Optional RINT X12 interface, BUSINT X11 industrial bus interface, PCINT X10 documentation interface (+ QDOC 9000 V2.0 software) and ewm Xnet quality management software
- Parameters adjustable via interfaces: 510 JOBs each with 15 programs in program mode; wire feed speed, arc length correction and arc dynamics in control signal operation
- RINT X12 and BUSINT X11 for installation in external electrical enclosure
- Optimised for automated applications: Unique second generation digital system for reproducible welding results of the highest possible quality, easy to integrate into automated systems
- Automated and mechanised applications in the production of machinery, cars, vehicles, containers, equipment and ships
- Gas cooled or optionally water cooled with cool 50 U40 cooling unit
- Shown in combination with Trolly 55-5 and cool50 U40
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped with 1.0–1.2 mm UNI rolls for low to high-alloy steel
- Wire spool diameter up to 300 mm/D300, 200 mm/D200 possible with adapter
- Energy-saving thanks to high efficiency and standby function
- Earth fault monitoring (PE protection)
- Can be optionally connected to LAN or WiFi, ewm Xnet compatible
- PC interface for PC300 XQ software
- 5 m mains supply lead
- 100 % tested and free-welded

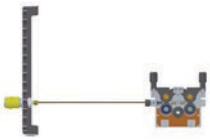
Setting range for welding current	5 A - 350 A
Duty cycle 40 °C	350 A / 40 %
	300 A / 60 %
	270 A / 100 %
Open circuit voltage	79 V
Mains voltage	400 V
Tolerances	-25 % - +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	18.8 kVA
Protection classification	IP23
Safety marking	S CE EAC
EMC class	A
Dimensions (L x B x H)	636 mm x 298 mm x 482 mm
Weight	36.2 kg
Wire speed m/min	0.5 m/min - 25 m/min
Wire speed ipm	19.68 ipm - 944.88 ipm

Type	Designation	Item no.
Phoenix 355 puls MM RC TKM Rob	Multiprocess MIG/MAG pulse welding machine with MULTIMATRIX technology, compact, portable, modular, without front control	090-S05502-04752

Options/accessories

Cooling units	Item no.
cool50 U40 Cooling unit with centrifugal pump Water connections in the front, for compact machines (TKM). Modular design, tool-free assembly Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump External coolant water filling nozzle with filling level indicator **▶ We recommend using a cooling unit with a reinforced pump for an overall hose package length of 30 m and above, or for machines with an additional miniDrive of 20 m and above**	090-008598-00502
cool50 U42 Cooling unit with boosted pump Cooling unit with a **reinforced pump** for water-cooled welding torches with hose package lengths of 20 m and longer Water connections in the front, for compact machines (TKM). Modular design, tool-free assembly Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump External coolant water filling nozzle with filling level indicator **▶ Use of cooling unit with reinforced pump: up to 70 m overall hose package length for decompact machines with separate wire feeder plus additional miniDrive, up to 45 m for decompact machines without additional miniDrive and up to 30 m for compact machines with additional miniDrive**	090-008797-00502

Trolley	Item no.
ON WAK TG.0003/TG.0004/TG.0009/K.0002 Wheel assembly kit Wheel set – facilitates work at frequently changing welding sites	092-001356-00000
Trolly 55-5 Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted For transporting a power source, a cooling unit and a gas cylinder	090-008632-00000
Trolly 55-6 Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder For transporting a power source, a cooling unit and one or two shielding gas cylinders Can be lifted by crane as standard Supplied with roll brakes	090-008825-00000

Options for welding machines	Item no.
ON Filter TG.0003 Dirt filter for air inlet Comprised of two filter units	092-002662-00000
ON D Barrel TG.0003 Wire guide Rolliner for drum feed 	092-007929-00000

Options for transport carts	Item no.
ON Case Tool box for mounting to transport cart Trolly 55-5/Trolly 55-6 All tools and replacement parts always to hand. **▶ Only available in conjunction with Trolly 55-5 without an additional cooling unit** **▶ In conjunction with Trolly 55-6, if using a cooling unit, the option "ON Extender" must also be ordered**	092-002899-00000

Phoenix puls ■ Rob 355 Expert 2.0 compact

MULTIMATRIX

/rootArc® /rootArc® puls
/forceArc® /forceArc® puls
/Impuls
/superPuls

- Multiprocess MIG/MAG pulse welding machine with front control
- Compact inverter welding machine with integrated wire feed mechanism
- Set up on front control or notebook with PC300. NET software
- Expert 2.0 control with intuitive user guidance via LCD panel and plain text display of all welding parameters and functions
- Push/pull capability when used with EWM MTR242W PP and MTR500W PP welding torches
- Equipped at no extra charge with EWM Synergic characteristics for forceArc, forceArc puls, rootArc, rootArc puls and superPuls
- Equipped at no extra charge with Synergic characteristics for GMAW welding of steel/CrNi/aluminium
- Standard-series 19-pole interface for automated welding, for e.g. (Start/stop, current flows, emergency stop)
- Optional RINT X12 interface, BUSINT X11 industrial bus interface, PCINT X10 documentation interface (+ QDOC 9000 V2.0 software) and ewm Xnet quality management software
- Parameters adjustable via interfaces: 510 JOBs each with 15 programs in program mode; wire feed speed, arc length correction and arc dynamics in control signal operation
- RINT X12 and BUSINT X11 for installation in external electrical enclosure
- Optimised for automated applications: Unique second generation digital system for reproducible welding results of the highest possible quality, easy to integrate into automated systems
- Automated and mechanised applications in the production of machinery, cars, vehicles, containers, equipment and ships
- Gas cooled or optionally water cooled with cool 50 U40 cooling unit
- Shown in combination with Trolly 55-5 and cool50 U40
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped with 1.0–1.2 mm UNI rolls for low to high-alloy steel
- Wire spool diameter up to 300 mm/D300, 200 mm/D200 possible with adapter
- Energy-saving thanks to high efficiency and standby function
- Earth fault monitoring (PE protection)
- Can be optionally connected to LAN or WiFi, ewm Xnet compatible
- PC interface for PC300 XQ software
- 5 m mains supply lead
- 100 % tested and free-welded

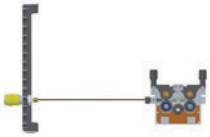
Setting range for welding current	5 A - 350 A
Duty cycle 40 °C	350 A / 40 %
	300 A / 60 %
	270 A / 100 %
Open circuit voltage	79 V
Mains voltage	400 V
Tolerances	-25 % - +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	18.8 kVA
Protection classification	IP23
Safety marking	S CE EAC
EMC class	A
Dimensions (L x B x H)	636 mm x 298 mm x 482 mm
Weight	36.2 kg
Wire speed m/min	0.5 m/min - 25 m/min
Wire speed ipm	19.68 ipm - 944.88 ipm

Type	Designation	Item no.
Phoenix 355 Expert 2.0 puls MM TKM Rob	Multiprocess MIG/MAG pulse welding machine with MULTIMATRIX technology, compact, portable, modular, Expert 2.0 control	090-S05445-04843

Options/accessories

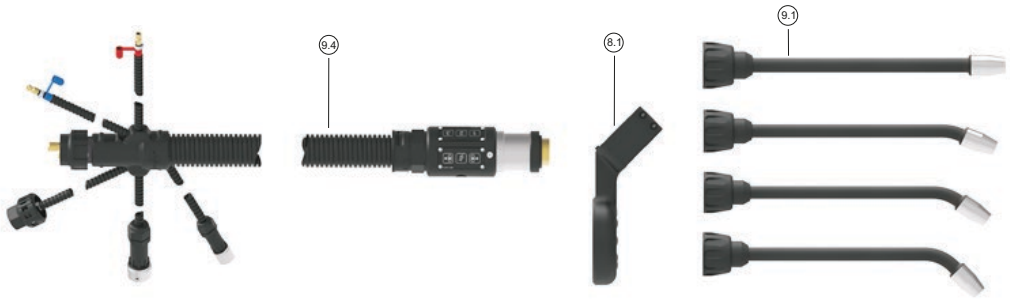
Cooling units	Item no.
cool50 U40 Cooling unit with centrifugal pump Water connections in the front, for compact machines (TKM). Modular design, tool-free assembly Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump External coolant water filling nozzle with filling level indicator **▶ We recommend using a cooling unit with a reinforced pump for an overall hose package length of 30 m and above, or for machines with an additional miniDrive of 20 m and above**	090-008598-00502
cool50 U42 Cooling unit with boosted pump Cooling unit with a **reinforced pump** for water-cooled welding torches with hose package lengths of 20 m and longer Water connections in the front, for compact machines (TKM). Modular design, tool-free assembly Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump External coolant water filling nozzle with filling level indicator **▶ Use of cooling unit with reinforced pump: up to 70 m overall hose package length for decompact machines with separate wire feeder plus additional miniDrive, up to 45 m for decompact machines without additional miniDrive and up to 30 m for compact machines with additional miniDrive**	090-008797-00502

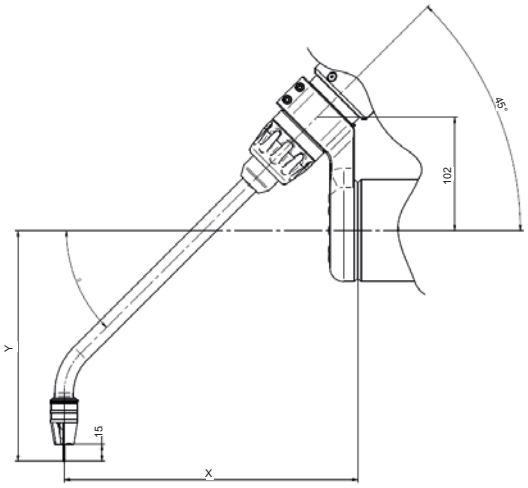
Trolley	Item no.
ON WAK TG.0003/TG.0004/TG.0009/K.0002 Wheel assembly kit Wheel set – facilitates work at frequently changing welding sites	092-001356-00000
Trolly 55-5 Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted For transporting a power source, a cooling unit and a gas cylinder	090-008632-00000
Trolly 55-6 Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder For transporting a power source, a cooling unit and one or two shielding gas cylinders Can be lifted by crane as standard Supplied with roll brakes	090-008825-00000

Options for welding machines	Item no.
ON Filter TG.0003 Dirt filter for air inlet Comprised of two filter units	092-002662-00000
ON D Barrel TG.0003 Wire guide Rolliner for drum feed 	092-007929-00000

Options for transport carts	Item no.
ON Case Tool box for mounting to transport cart Trolly 55-5/Trolly 55-6 All tools and replacement parts always to hand. **▶ Only available in conjunction with Trolly 55-5 without an additional cooling unit** **▶ In conjunction with Trolly 55-6, if using a cooling unit, the option "ON Extender" must also be ordered**	092-002899-00000

Robot welding torches ■ RMT301W Cobot





Types	X in mm	Y in mm	a in °
0°	320,5	182	45
22,5°	297,5	197,5	67,5
35°	281	203,5	80
45°	264	207,5	90

MIG/MAG robot welding torch, water cooled

- Maximum TCP safety
- Modular construction
- Quick-change torch neck
- Water stop for coolant
- One-piece liner
- Push-button for wire inching, wire return, gas test
- RMT W CT + three freely assignable function buttons
- Suitable for compact Phoenix 355 puls Rob welding machine
- **Equipment as supplied (steel wire Ø 1.2 mm):**
- Gas nozzle Ø 24 mm; 38 mm
- Gas diffuser Ø 18 mm
- Contact tip M7 x 30 mm; Ø 1.2 mm
- Contact tip holder M7 x 18 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Duty cycle CO2
330 A / 100 %

Duty cycle M21
290 A / 100 %

Duty cycle M21 pulse
250 A / 100 %

Wire Ø
0.8 mm - 1.2 mm

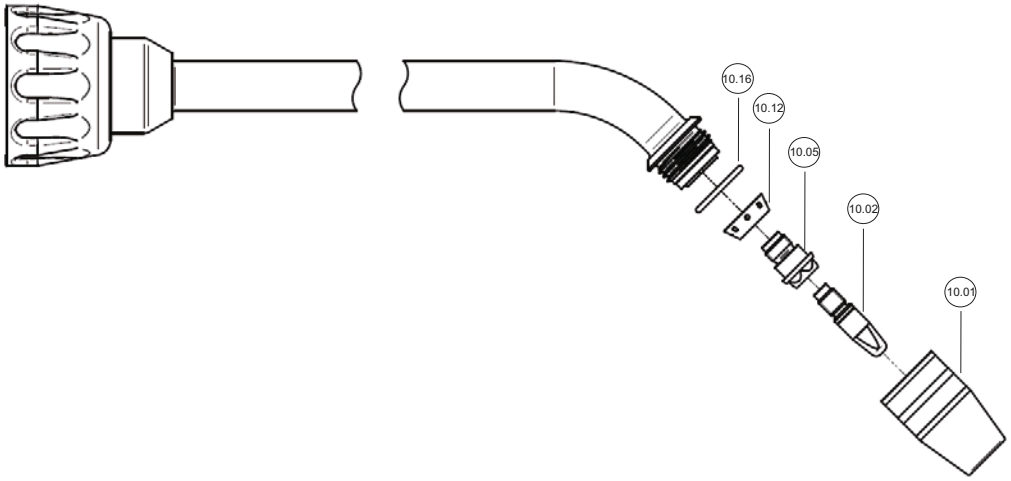
Connection
Euro torch connector

Approvals
CE sign

Item	Type	Designation	Length m	Item no.
8.1	AF 45° RMT COBOT	Adapter flange	–	094-026863-00000
8.1	AF HV SP RMT W K	Adapter flange, adjustable		094-026995-00000
8.1	ZFV RMT/COBOT	Intermediate flange extension		094-027183-00000
9.1	RMT301W 0° X318,5 Y0	RMT 0° torch neck	-	094-026764-00000
9.1	RMT301W 22,5°	RMT 22.5° torch neck		094-027114-00000
9.1	RMT301W 35°	RMT 35° torch neck		094-027115-00000
9.1	RMT301W 45° X337,5 Y58	RMT 45° torch neck		094-026981-00000
9.4	SP RMT W C KON 300CM EZA	Co-bot hose package, water cooled	3.0	094-026998-01300
9.4	SP RMT W C KON 400CM EZA		4.0	094-026998-01400
9.4	SP RMT W C KON 500CM EZA		5.0	094-026998-01500
9.4	SP RMT W CT KON 300CM EZA	Teach co-bot hose package, water cooled	3.0	094-026988-01300
9.4	SP RMT W CT KON 400CM EZA		4.0	094-026988-01400
9.4	SP RMT W CT KON 500CM EZA		5.0	094-026988-01500

► More hose package lengths, torch neck versions and co-bot-specific adapter flanges upon request!

Consumables/Accessories



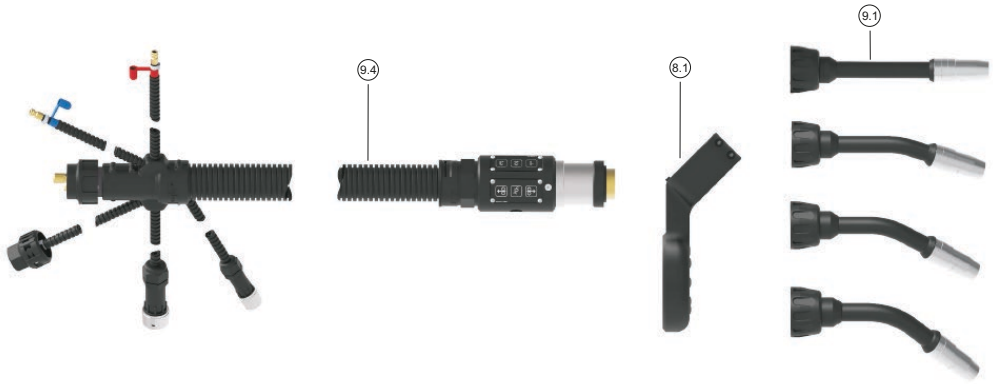
Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.
10.01	Gas nozzle	24	-	-	37.8	-	1	094-024876-00000*
10.02	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00001
10.02	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00001
10.02	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00001
10.02	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00001*
10.05	Contact tip holder	-	-	-	18	-	1	094-024877-00000*
10.12	Gas diffuser	-	-	-	-	-	1	094-024875-00000*
10.16	O-ring	-	-	-	-	-	1	094-024874-00000*
-	O-ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000
-	Centring piece	-	-	M7	15	-	1	094-026853-00000
-	Torch key	-	-	-	-	-	1	094-016038-00001
-	Special hook spanner	-	-	-	-	-	1	094-027163-00001

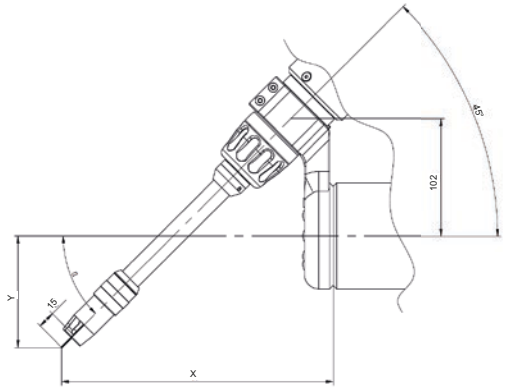
▶ More consumables and spare parts upon request!
* ex works

Liners

Item	Designation	Wire Ø mm	Inside Ø mm	Outside Ø mm	Length m	PU Pack	Item no.
10.04	Steel liner, insulated	1.2 - 1.6	2	4.6	3.6	2	094-007239-00501
10.04	Steel liner, insulated	1.2 - 1.6	2	4.6	4.5	2	094-014223-00501
10.04	Steel liner, insulated	1.2 - 1.6	2	4.6	5.6	2	094-014224-00501
10.04	Steel liner, insulated	0.8 - 1	1.5	3.8	3.6	2	094-013074-00501
10.04	Steel liner, insulated	0.8 - 1	1.5	3.8	4.6	2	094-013075-00501
10.04	Steel liner, insulated	0.8 - 1	1.5	3.8	5.6	2	094-014221-00501

Robot welding torches ■ RMT551W Cobot





Types	X in mm	Y in mm	a in °
0° W	235,5	97	45
22,5° W	196	123,5	67,5
35° W	162	136,5	80
45° W	137,5	140,5	90
22,5° WL	265,5	192	67,5
35° WL	235	206	80
45° WL	208	211	90

MIG/MAG robot welding torch, water cooled

- Maximum TCP safety
- Modular construction
- Quick-change torch neck
- Water stop for coolant
- One-piece liner
- Push-button for wire inching, wire return, gas test
- RMT W CT + three freely assignable function buttons
- Suitable for compact Phoenix 355 puls Rob welding machine
- **Equipment as supplied (steel wire Ø 1.2 mm)**:
- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm
- Contact tip holder M9 x 32 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Duty cycle CO2
650 A / 100 %

Duty cycle M21
550 A / 100 %

Duty cycle M21 pulse
500 A / 100 %

Wire Ø
0.8 mm - 2 mm

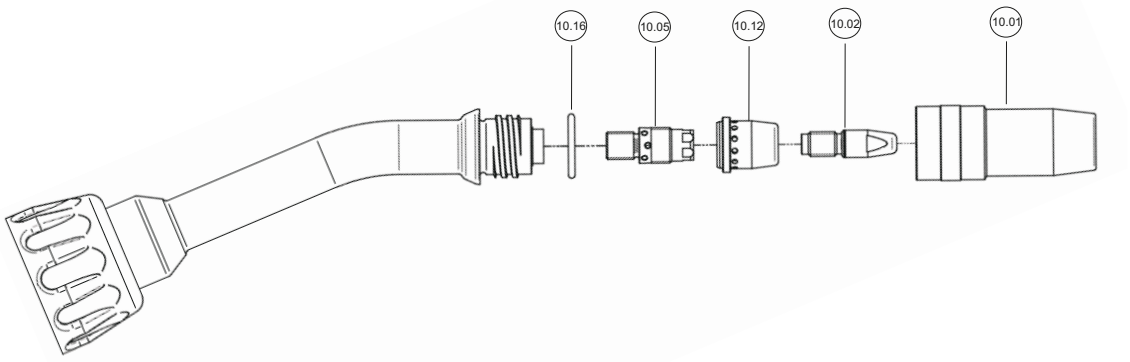
Connection
Euro torch connector

Approvals
CE sign

Item	Type	Designation	Length m	Item no.
8.1	AF 45° RMT COBOT	Adapter flange	–	094-026863-00000
8.1	AF HV SP RMT W K	Adapter flange, adjustable		094-026995-00000
8.1	ZFV RMT/COBOT	Intermediate flange extension		094-027183-00000
9.1	RMT551W 0° X239,3 Y0	RMT 0° torch neck	-	094-025531-00001
9.1	RMT551W 22,5° X230,4 Y46,5	RMT 22.5° torch neck		094-025074-00001
9.1	RMT551W 35° X215,4 Y80	RMT 35° torch neck		094-025075-00001
9.1	RMT551W 45° X196,7 Y110	RMT 45° torch neck		094-025076-00001
9.1	RMT551WL 22,5° X330,4 Y46,5	RMT 22.5° torch neck		094-026635-00000
9.1	RMT551WL 35° X315,4 Y80	RMT 35° torch neck		094-026636-00000
9.1	RMT551WL 45° X300,9 Y100	RMT 45° torch neck		094-026637-00000
9.4	SP RMT W C KON 300CM EZA	Co-bot hose package, water cooled	3.0	094-026998-01300
9.4	SP RMT W C KON 400CM EZA		4.0	094-026998-01400
9.4	SP RMT W C KON 500CM EZA		5.0	094-026998-01500
9.4	SP RMT W CT KON 300CM EZA	Teach co-bot hose package, water cooled	3.0	094-026988-01300
9.4	SP RMT W CT KON 400CM EZA		4.0	094-026988-01400
9.4	SP RMT W CT KON 500CM EZA		5.0	094-026988-01500

▶ More hose package lengths, torch neck versions and co-bot-specific adapter flanges upon request!

Consumables/Accessories



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PE
10.01	Gas nozzle	15	-	-	66	-	10 Units	094-014178-00001	Per unit
10.01	Gas nozzle	17	-	-	66	-	10 Units	094-014180-00001*	Per unit
10.01	Gas nozzle	19	-	-	66	-	10 Units	094-014182-00001	Per unit
10.01	Gas nozzle	15	-	-	63	-	10 Units	094-014177-00001	Per unit
10.01	Gas nozzle	17	-	-	63	-	10 Units	094-014179-00001	Per unit
10.01	Gas nozzle	19	-	-	63	-	10 Units	094-014181-00001	Per unit
10.02	Contact tip	-	0.8	M9	35	CuCrZr	10 Units	094-013528-00001	Per unit
10.02	Contact tip	-	0.9	M9	35	CuCrZr	10 Units	094-013529-00001	Per unit
10.02	Contact tip	-	1	M9	35	CuCrZr	10 Units	094-013530-00001	Per unit
10.02	Contact tip	-	1.2	M9	35	CuCrZr	10 Units	094-013531-00001*	Per unit
10.02	Contact tip	-	1.4	M9	35	CuCrZr	10 Units	094-013532-00001	Per unit
10.02	Contact tip	-	1.6	M9	35	CuCrZr	10 Units	094-013533-00001	Per unit
10.02	Contact tip	-	2	M9	35	CuCrZr	10 Units	094-013534-00001	Per unit
10.02	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10 Units	094-013543-00001	Per unit
10.02	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10 Units	094-013544-00001	Per unit
10.02	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10 Units	094-013545-00001	Per unit
10.02	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10 Units	094-013546-00001	Per unit
10.02	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10 Units	094-013547-00001	Per unit
10.02	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10 Units	094-013548-00001	Per unit
10.02	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10 Units	094-013549-00001	Per unit
10.02	Forced contact contact tip	-	1	M9	35	CuCrZr	1 Units	094-017007-00001	Per unit
10.02	Forced contact contact tip	-	1.2	M9	35	CuCrZr	1 Units	094-016159-00001	Per unit
10.02	Forced contact contact tip	-	1.6	M9	35	CuCrZr	1 Units	094-025533-00000	Per unit
10.05	Contact tip holder	-	-	-	-	-	5 Pack	094-025209-00000*	Per packing unit
10.05	Contact tip holder	-	-	-	-	-	1 Units	094-025338-00000	Per unit
10.12	Gas diffuser	-	-	-	-	-	5 Pack	094-025495-00000*	Per packing unit
10.16	o-ring for gas nozzle holder	-	-	-	-	-	1 Units	094-022875-00000*	Per unit
-	O-ring for Euro torch connector	-	-	-	-	-	20 Units	094-013967-00000	Per unit
-	Centring tip	-	-	M9	15	-	1 Units	094-026854-00000	Per unit
-	Torch key	-	-	-	-	-	1 Units	094-016038-00001	Per unit
-	Special hook spanner	-	-	-	-	-	1 Units	094-027163-00001	Per unit

▶ More consumables and spare parts upon request!
* ex works

Liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	PU	Item no.
		mm	mm	mm	m	Pack	
10.04	Steel liner, insulated	1.2 - 1.6	2	4.6	3.6	2	094-007239-00501
10.04	Steel liner, insulated	1.2 - 1.6	2	4.6	4.5	2	094-014223-00501*
10.04	Steel liner, insulated	1.2 - 1.6	2	4.6	5.6	2	094-014224-00501
10.04	Steel liner, insulated	0.8 - 1	1.5	3.8	3.6	2	094-013074-00501
10.04	Steel liner, insulated	0.8 - 1	1.5	3.8	4.6	2	094-013075-00501
10.04	Steel liner, insulated	0.8 - 1	1.5	3.8	5.6	2	094-014221-00501
10.04	Steel liner, insulated	1.6 - 2	2.4	4.6	3.6	2	094-013662-00502
10.04	Steel liner, insulated	1.6 - 2	2.4	4.6	4.6	2	094-013663-00502
10.04	Steel liner, insulated	1.6 - 2	2.4	4.6	5.6	2	094-013664-00502

* ex works

Co-bot flanges

Adapter and intermediate flange assignment for RMT co-bot robot welding torch

	Item number for flange	**45° adapter flange** 094-026863-00000	**45° adapter flange** 094-026863-00000 + **Intermediate flange extension** 094-027183-00000	**Adapter flange, adjustable** 094-026995-00000
Co-bots	Doosan M-Series M0609, M0617, M1013, M1509		●	
	Fanuc CRX-10iA	●		
	Hanwha HCR-5A		●	
	Hanwha HCR-12A	●		
	Universal Robots 5e		●	
	Universal Robots 10e		●	
	Yaskawa HC 10DT			●

▶ More intermediate flange extensions and co-bot-specific adapter flanges available upon request. Information on our AMT automated and robot welding torches MTR with push/pull drive, and other accessories can be found in our automation price list 2021.

Co-bot flanges

As demonstrated on a Doosan M
- Intermediate flange extension
- 45° adapter flange
- Teach co-bot hose package
- RMT 22.5 torch neck

As demonstrated on a Fanuc CRX-10iA
- 45° adapter flange
- Teach co-bot hose package
- RMT 22.5° torch neck

As demonstrated on a Hanwha HCR-5A
- Intermediate flange extension
- 45° adapter flange
- Teach co-bot hose package
- RMT 22.5 torch neck

As demonstrated on a Hanwha HCR-12A
- 45° adapter flange
- Teach co-bot hose package
- RMT 22.5 torch neck

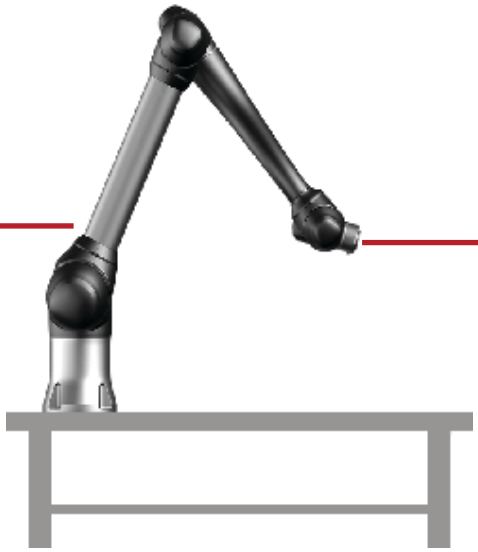
As demonstrated on a Universal Robot
- Intermediate flange extension
- 45° adapter flange
- Teach co-bot hose package
- RMT 22.5 torch neck

As demonstrated on a Yaskawa HC10DT
- Adapter flange, adjustable
- Teach co-bot hose package
- RMT 22.5° torch neck

The Tetrix 300 puls Rob is the perfect solution for your co-bot TIG welding applications.

The compact inverter welding machine with Comfort 2.0 front control is incredibly flexible and comes as a gas-cooled variant or water-cooled with an optional cooling unit. Whether it's the DC or AC/DC version, with or without connection capability for filler wire, thanks to our interface variants, deep integration into the co-bot control is easy. In addition to simple solutions with automated and robot welding torches, our robot welding torches can also be used with additional drive unit. We also offer corresponding components, completely tailored to your automated welding tasks.

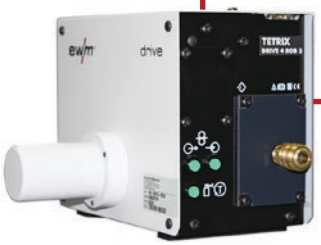
Tetrix 300 puls Rob
DC or AC/DC,
gas/water cooled



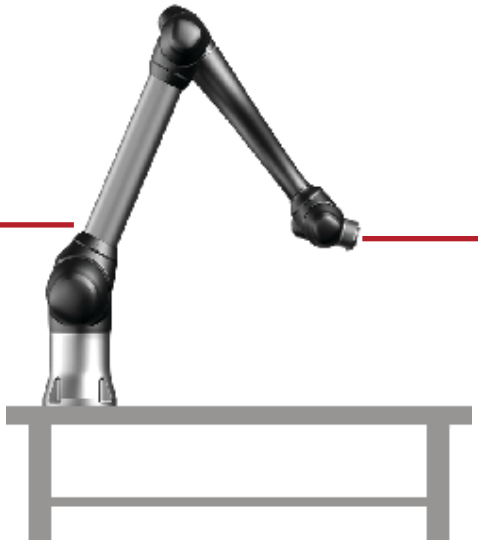
TIG-MT automated welding torch
gas/water cooled

Robot welding torch TIG ROB,
water cooled

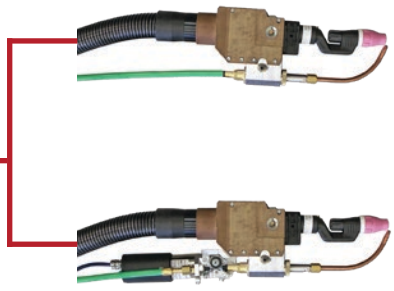
Tetrix 300 puls CW Rob
DC or AC/DC,
water cooled



T drive

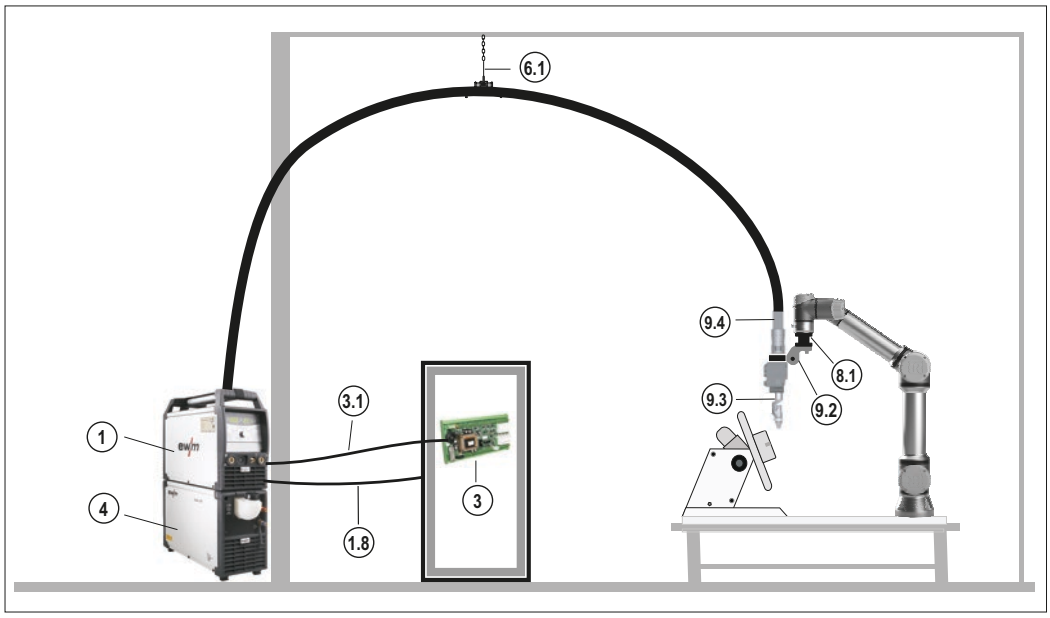


Robot welding torch
TIG ROB CW/CW PP,
water cooled



The Tetrix 300 puls Rob automated welding system can also be used on industrial welding robots or as part of mechanised systems.

Tetrix, water-cooled ■ activArc®
Tetrix 300 Comfort 2.0 Rob co-bot welding robot system



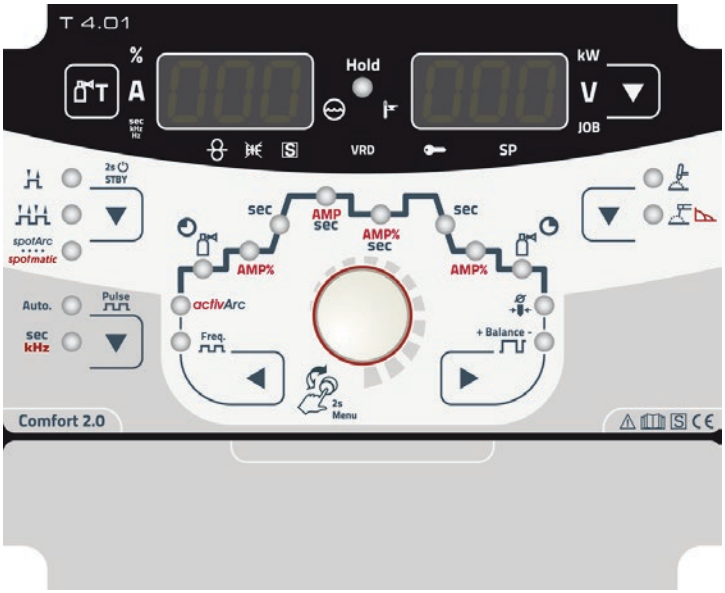
Tetrix 300 Comfort 2.0 puls Rob

- With Comfort 2.0 control
- Water cooled
- With external RINTX12 interface
- As demonstrated on a co-bot welding robot application

Item	Type	Designation	Item no.
1	Tetrix 300 Comfort 2.0 puls Rob	DC TIG welding machine with Comfort 2.0 control	090-000263-00502
1.1	OW CEE 16A/400V	Mains plug, assembled	092-008214-00000
1.2	WK70/CL 5m	Workpiece lead with cable lug	092-002078-00005
1.3	Optimator AR/MIX 200bar 20l G1/4“	Pressure regulator with flow meter	094-011839-00000
1.5	GH 2x1/4“ 5m	Gas hose	094-000010-00005
1.8	RA5 19POL 1x 5M	Connection cable, 19-pole, one-sided wire end ferrules	092-001569-00005
3	RINT X12 STANDARD	Standard robot interface	090-008291-00000
3*	Tetrix BUSINT X11 PROFINET	PROFINET industrial bus interface	090-008260-00000
3*	Tetrix BUSINT X11 ETHERNET IP	ETHERNET IP industrial bus interface	090-008622-00000
3*	Tetrix BUSINT X11 ETHERCAT	ETHERCAT industrial bus interface	090-008621-00000
3*	Tetrix BUSINT X11 PROFIBUS	PROFIBUS industrial bus interface	090-008257-00000
3*	Tetrix BUSINT X11 DEVICE-NET	DEVICE-NET industrial bus interface	090-008258-00000
3.1	FRV 7POL 5m	Digital 7-pole cable	092-000201-00003
3.2	ON PLUG SET RINT X12	Retrofit option EWM plug set for RINT X12/DVINT X11	092-001822-00000
4	cool41 U31	Cooling unit with centrifugal pump	090-008600-00502
4.1	KF 23E-5	Coolant up to -10 °C (14 °F), 5 l	094-000530-00005
6.1	ON ZWIPA-CONNECTION	Retrofit option, third-party intermediate hose package, strain relief	094-007890-00000
8.1	AF ROB	Adapter flange, plastic	398-010731-00000
9.2	BH ALU	Alu torch holder	398-010732-00000
9.2	STANHOL PIN	Bracket with retention pin, standard	094-012839-00500
9.2	CLAMMPING HOLDER TIG WH	Clamping holder TIG ROB 400 W	094-010122-00000
9.3	TIG ROB 400W	TIG-MT torch body, straight	094-010109-00000
9.4	SPA TIG WH 6M	TIG ROB 400 W hose package	094-016058-00006
-	SE CAT	Screw set	094-023190-00000
-			094-021505-00000
-	Set PC300 XQ / ANALYZER	Set comprising PC300 XQ and Analyzer software	090-008779-00000

▶ Image for conceptual purposes. Not all listed items are shown.
▶ For more accessories, options and machine variants please refer to the individual chapters
▶ You can find information about external interface variants in the Accessories chapter
* alternative

Comfort 2.0 DC



Welding process	**TIG**
	activArc
	spotArc
	spotmatic
	MMA
Operating modes	Non-latched
Ignition options	HF
	Liftarc
Pulse type	Average value pulse welding
	kHz pulsing
	Pulse frequency
Parameters in display	Welding current
	Welding voltage
	Welding parameters
	Welding power
	JOB number
Number of freely definable JOBs	depending on power source
MMA functions	Hotstart
	Arcforce
	Antistick
	Average value pulse welding
	Frequency pulse welding

- **One-knob operation**
- Welding sequence selection and parameter setting using click wheel or conventional operation with sequence buttons (back/forward)
- Expert menu for advanced welding parameter settings
- **Welding sequence parameter setting**
- Start, welding, secondary and end current
- Up-slope/down-slope time
- Gas pre- and post-flow time
- Electrode diameter

Tetrix DC ■ Tetrix 300 Comfort 2.0 puls Rob

/activArc®

- TIG DC inverter welding machine with Comfort 2.0 front control
- Comfort 2.0 control, simple operation with click wheel
- Set up on front control or notebook with PC300. NET software
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- Standard-series 19-pole interface for automated welding, for e.g. (Start/stop, current flows, emergency stop)
- Optional RINT X12 interface, BUSINT X11 industrial bus interface, PCINT X10 documentation interface (+ QDOC 9000 V2.0 software) and ewm Xnet quality management software
- Parameters adjustable via interfaces: 256 JOBs, each with 15 programs, in program mode or RINT X12 welding current, secondary current, pulse time, pause time; BUSINT: main current, secondary current, pulse time, pulse pause time, rise time, fall time, frequency via control voltage or control signal mode
- RINT X12 and BUSINT X11 for installation in external electrical enclosure
- Optimised for automated applications: Unique second generation digital system for reproducible welding results of the highest possible quality, easy to integrate into automated systems
- Automated and mechanised applications in the production of machinery, cars, vehicles, containers, equipment and ships
- Gas-cooled or optionally water-cooled with cool 41 U31 cooling unit
- Can be optionally connected to LAN or WiFi, ewm Xnet compatible
- PC interface for PC300.Net software
- 5 m mains supply lead
- 100 % tested and free-welded

Setting range for welding current	5 A - 300 A
Duty cycle 40 °C	300 A / 35 %
	260 A / 60 %
	210 A / 100 %
Open circuit voltage	63 V
Mains voltage	400 V
Tolerances	-25 % - +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	15 kVA
Torch connection	Decentral
Protection classification	IP23
Safety marking	S CE EAC
EMC class	A
Dimensions (L x B x H)	539 mm x 210 mm x 415 mm
Weight	20 kg
Standards	IEC 60974-1, -3 and -10 CL.A

Type	Designation	Item no.
Tetrix 300 Comfort 2.0 puls Rob	DC TIG welding machine with Comfort 2.0 control	090-000263-00502

▶ You can find information about external interface variants in the Accessories chapter

Options/accessories

Cooling units	Item no.
cool41 U31 Cooling unit with centrifugal pump Modular design, tool-free assembly Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump External coolant water filling nozzle with filling level indicator	090-008600-00502

Trolley		Item no.
Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted For transporting a power source, a cooling unit and a gas cylinder		
Trolly 55-5		090-008632-00000
Trolly 55-5 DM Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, dismounted		090-008632-00001
Trolly 55-6 Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder For transporting a power source, a cooling unit and one or two shielding gas cylinders Can be lifted by crane as standard Supplied with roll brakes		090-008825-00000

Options for welding machines		Item no.
ON Filter TG.0002 Dirt filter for air inlet Reliably protects the machine from impurities under tough working conditions.		092-002551-00000

Options for retrofitting		Item no.
ON PC Plug Protective cap for plug Protects against force exerted from left, right or above		092-003074-00000
ON Extender Extension for Trolly 55-6 to house a further module		092-003507-00000

Tetrix DC CW ■ Tetrix 300 Comfort 2.0 puls CW Rob

/activArc®

- TIG inverter welding machine, DC, with Comfort 2.0 front control, prepared for cold wire
- Comfort 2.0 control, simple operation with click wheel
- Set up on front control or notebook with PC300. NET software
- Cold wire in combination with T drive 4 Rob 2 or T drive 4 Rob 3
- Optional ex works, cold wire and as Push/Push with TIG ROB 400 W KD PP welding torch
- Optional ex works, cold wire with tigSpeed drive 4 Rob
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- Standard-series 19-pole interface for automated welding, for e.g. (Start/stop, current flows, emergency stop)
- Optional RINT X12 interface, BUSINT X11 industrial bus interface, PCINT X10 documentation interface (+ QDOC 9000 V2.0 software) and ewm Xnet quality management software
- Parameters adjustable via interfaces: 256 JOBs, each with 15 programs, in program mode or RINT X12 welding current, secondary current, pulse time, pause time; BUSINT: main current, secondary current, pulse time, pulse pause time, rise time, fall time, frequency via control voltage or control signal mode
- RINT X12 and BUSINT X11 for installation in external electrical enclosure
- Optimised for automated applications: Unique second generation digital system for reproducible welding results of the highest possible quality, easy to integrate into automated systems
- Automated and mechanised applications in the production of machinery, cars, vehicles, containers, equipment and ships
- Gas-cooled or optionally water-cooled with cool 41 U31 cooling unit
- Can be optionally connected to LAN or WiFi, ewm Xnet compatible
- PC interface for PC300.Net software
- 5 m mains supply lead
- 100 % tested and free-welded

Setting range for welding current	5 A - 300 A
Duty cycle 40 °C	300 A / 35 %
	260 A / 60 %
	210 A / 100 %
Open circuit voltage	63 V
Mains voltage	400 V
Tolerances	-25 % - +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	16.3 kVA
Torch connection	Decentral
Protection classification	IP23
Safety marking	S CE EAC
EMC class	A
Dimensions (L x B x H)	539 mm x 210 mm x 755 mm
Weight	30 kg
Standards	IEC 60974-1, -3 and -10 CL.A

Type	Designation	Item no.
Tetrix 300 Comfort 2.0 puls CW Rob	WIG-DC-Schweißgerät mit Comfort 2.0-Steuerung, inkl. Anschlussmöglichkeit Zusatzdraht	090-S00263-04782

▶ Information on wire feeder variants can be found in the corresponding chapter.
▶ You can find information about external interface variants in the Accessories chapter

Options/accessories

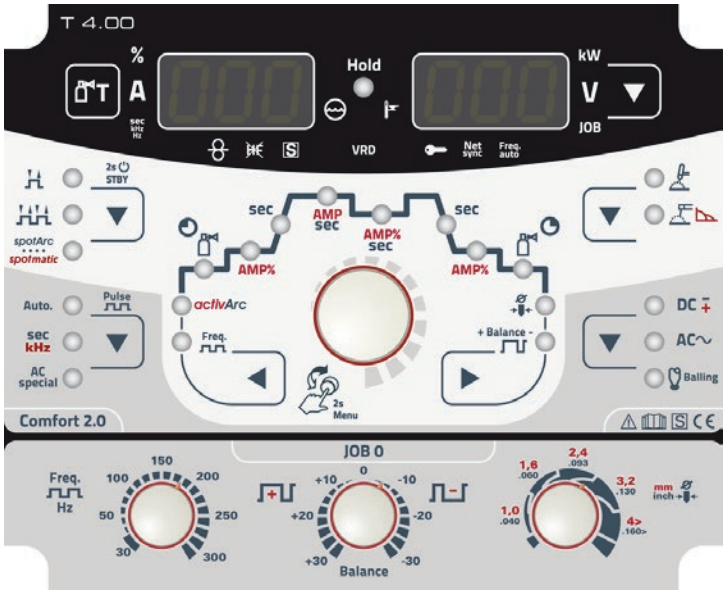
Cooling units	Item no.
cool41 U31 Cooling unit with centrifugal pump Modular design, tool-free assembly Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump External coolant water filling nozzle with filling level indicator	090-008600-00502

Trolley		Item no.
Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted For transporting a power source, a cooling unit and a gas cylinder		
Trolly 55-5		090-008632-00000
Trolly 55-5 DM Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, dismounted		090-008632-00001
Trolly 55-6 Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder For transporting a power source, a cooling unit and one or two shielding gas cylinders Can be lifted by crane as standard Supplied with roll brakes		090-008825-00000

Options for welding machines		Item no.
ON Filter TG.0002 Dirt filter for air inlet Reliably protects the machine from impurities under tough working conditions.		092-002551-00000

Options for retrofitting		Item no.
ON PC Plug Protective cap for plug Protects against force exerted from left, right or above		092-003074-00000
ON Extender Extension for Trolly 55-6 to house a further module		092-003507-00000

Comfort 2.0 AC/DC



- **One-knob operation**
- Welding sequence selection and parameter setting using click wheel or conventional operation with sequence buttons (back/forward)
- Expert menu for advanced welding parameter settings
- **Welding sequence parameter setting**
- Start, welding, secondary and end current
- Up-slope/down-slope time
- Gas pre- and post-flow time
- Electrode diameter

Welding process	**TIG**
	activArc
	spotArc
	spotmatic
	TIG AC
	MMA
Operating modes	Non-latched
	Special non-latched
AC functions	AC special
	AC tungsten balling
	AC sine
	AC trapezoidal
	AC rectangle
	AC balance
	AC frequency: 30 Hz to 300 Hz
	Automatic AC frequency
Ignition options	HF
	Liftarc
Pulse type	Average value pulse welding
	kHz pulsing
	Pulsing
	Seconds pulse
Parameters in display	Welding current
	Welding voltage
	Welding parameters
	Welding power
	JOB number
Number of freely definable JOBs	depending on power source
MMA functions	Hotstart
	Arcforce
	Antistick
	AC electrode welding
	Average value pulse welding
	Frequency pulse welding

Tetrix AC/DC ■ Tetrix 300 AC/DC Comfort 2.0 puls Rob

/activArc®

- TIG AC/DC inverter welding machine with Comfort 2.0 front control
- Comfort 2.0 control, simple operation with click wheel
- Set up on front control or notebook with PC300. NET software
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- Standard-series 19-pole interface for automated welding, for e.g. (Start/stop, current flows, emergency stop)
- Optional RINT X12 interface, BUSINT X11 industrial bus interface, PCINT X10 documentation interface (+ QDOC 9000 V2.0 software) and ewm Xnet quality management software
- Parameters adjustable via interfaces: 256 JOBs, each with 15 programs, in program mode or RINT X12 welding current, secondary current, pulse time, pause time; BUSINT: main current, secondary current, pulse time, pulse pause time, rise time, fall time, frequency via control voltage or control signal mode
- RINT X12 and BUSINT X11 for installation in external electrical enclosure
- Optimised for automated applications: Unique second generation digital system for reproducible welding results of the highest possible quality, easy to integrate into automated systems
- Automated and mechanised applications in the production of machinery, cars, vehicles, containers, equipment and ships
- Gas-cooled or optionally water-cooled with cool 41 U31 cooling unit
- Can be optionally connected to LAN or WiFi, ewm Xnet compatible
- PC interface for PC300.Net software
- 5 m mains supply lead
- 100 % tested and free-welded

Setting range for welding current	5 A - 300 A
Duty cycle 40 °C	300 A / 35 %
	260 A / 60 %
	210 A / 100 %
Open circuit voltage	63 V
Mains voltage	400 V
Tolerances	-25 % - +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	16 kVA
Torch connection	Decentral
Protection classification	IP23
Safety marking	S CE EAC
EMC class	A
Dimensions (L x B x H)	539 mm x 210 mm x 415 mm
Weight	22 kg
Standards	IEC 60974-1, -3 and -10 CL.A

Type	Designation	Item no.
Tetrix 300 AC/DC Comfort 2.0 puls Rob	TIG AC/DC welding machine with Comfort 2.0 control	090-S00235-04286

▶ You can find information about external interface variants in the Accessories chapter

Options/accessories

Cooling units	Item no.
cool41 U31 Cooling unit with centrifugal pump Modular design, tool-free assembly Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump External coolant water filling nozzle with filling level indicator	090-008600-00502

Options/accessories

Trolley		Item no.
Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted For transporting a power source, a cooling unit and a gas cylinder		
Trolly 55-5		090-008632-00000
Trolly 55-5 DM Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, dismounted		090-008632-00001
Trolly 55-6 Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder For transporting a power source, a cooling unit and one or two shielding gas cylinders Can be lifted by crane as standard Supplied with roll brakes		090-008825-00000

Options for welding machines		Item no.
ON Filter TG.0002 Dirt filter for air inlet Reliably protects the machine from impurities under tough working conditions.		092-002551-00000

Options for retrofitting		Item no.
ON PC Plug Protective cap for plug Protects against force exerted from left, right or above		092-003074-00000
ON Extender Extension for Trolly 55-6 to house a further module		092-003507-00000

Tetrix AC/DC CW ■ Tetrix 300 AC/DC Comfort 2.0 puls CW Rob

/activArc®

- TIG AC/DC inverter welding machine with Comfort 2.0 front control, prepared for cold wire
- Comfort 2.0 control, simple operation with click wheel
- Set up on front control or notebook with PC300. NET software
- Cold wire in combination with T drive 4 Rob 2 or T drive 4 Rob 3
- Optional ex works, cold wire and as Push/Push with TIG ROB 400 W KD PP welding torch
- Optional ex works, cold wire with tigSpeed drive 4 Rob
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- Standard-series 19-pole interface for automated welding, for e.g. (Start/stop, current flows, emergency stop)
- Optional RINT X12 interface, BUSINT X11 industrial bus interface, PCINT X10 documentation interface (+ QDOC 9000 V2.0 software) and ewm Xnet quality management software
- Parameters adjustable via interfaces: 256 JOBs, each with 15 programs, in program mode or RINT X12 welding current, secondary current, pulse time, pause time; BUSINT: main current, secondary current, pulse time, pulse pause time, rise time, fall time, frequency via control voltage or control signal mode
- RINT X12 and BUSINT X11 for installation in external electrical enclosure
- Optimised for automated applications: Unique second generation digital system for reproducible welding results of the highest possible quality, easy to integrate into automated systems
- Automated and mechanised applications in the production of machinery, cars, vehicles, containers, equipment and ships
- Gas-cooled or optionally water-cooled with cool 41 U31 cooling unit
- Can be optionally connected to LAN or WiFi, ewm Xnet compatible
- PC interface for PC300.Net software
- 5 m mains supply lead
- 100 % tested and free-welded

Setting range for welding current	5 A - 300 A
Duty cycle 40 °C	300 A / 35 %
	260 A / 60 %
	210 A / 100 %
Open circuit voltage	63 V
Mains voltage	400 V
Tolerances	-25 % - +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	16 kVA
Torch connection	Decentral
Protection classification	IP23
Safety marking	S CE EAC
EMC class	A
Dimensions (L x B x H)	539 mm x 210 mm x 755 mm
Weight	30 kg
Standards	IEC 60974-1, -3 and -10 CL.A

Type	Designation	Item no.
Tetrix 300 AC/DC Comfort 2.0 puls CW Rob	AC/DC TIG welding machine with Comfort 2.0 control, incl. connection capability for filler wire	090-S00235-04848

▶ You can find information about external interface variants in the Accessories chapter

Options/accessories

Cooling units	Item no.
cool41 U31 Cooling unit with centrifugal pump Modular design, tool-free assembly Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump External coolant water filling nozzle with filling level indicator	090-008600-00502

Options/accessories

Trolley		Item no.
Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted For transporting a power source, a cooling unit and a gas cylinder		
Trolly 55-5		090-008632-00000
Trolly 55-5 DM Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, dismounted		090-008632-00001
Trolly 55-6 Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder For transporting a power source, a cooling unit and one or two shielding gas cylinders Can be lifted by crane as standard Supplied with roll brakes		090-008825-00000

Options for welding machines		Item no.
ON Filter TG.0002 Dirt filter for air inlet Reliably protects the machine from impurities under tough working conditions.		092-002551-00000

Options for retrofitting		Item no.
ON PC Plug Protective cap for plug Protects against force exerted from left, right or above		092-003074-00000
ON Extender Extension for Trolly 55-6 to house a further module		092-003507-00000

Further information on the individual items, such as power sources, as well as torches and accessories, can be found in our automation catalog 2021.

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