Lorch S-RoboMIG XT

ROBOT WELDING PACKAGES

for ABB

LORCH
smart welding

S-RoboMIG XT

|3| WF system incl. wire transport hose

|8| Torch system

|4| WF mounting

|5| Corrugated tube hose package

|1| Power source

|7| Fieldbus interface

|2| Cooling version
|6| Ground connection

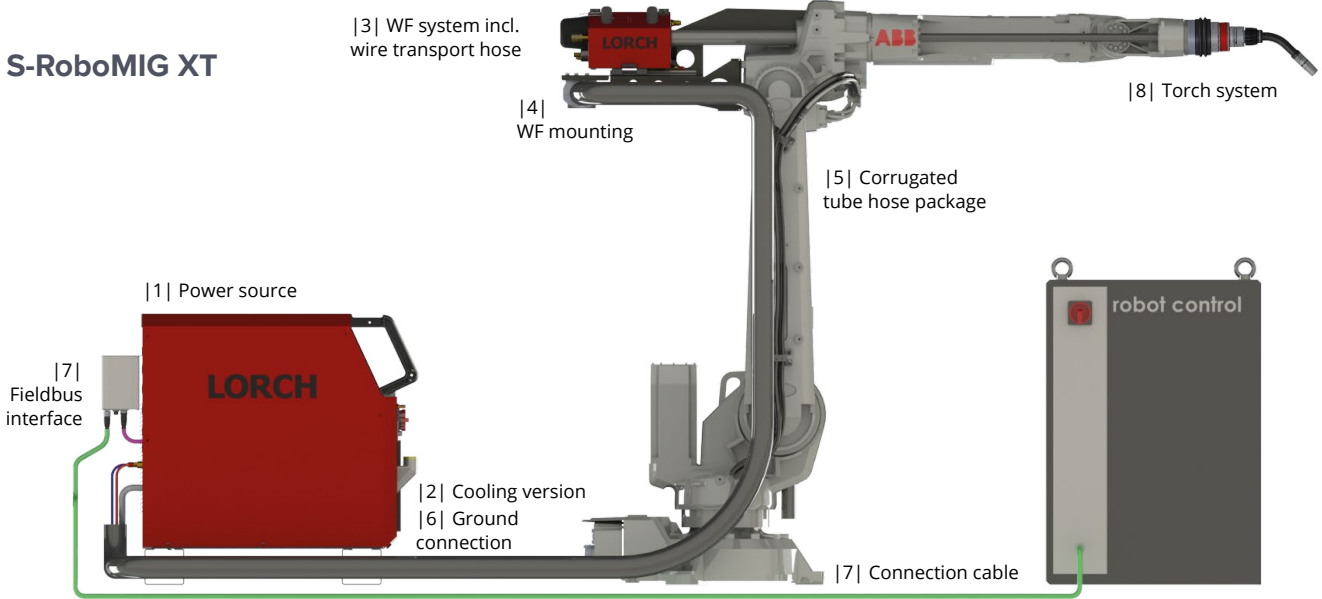|7| Connection cable
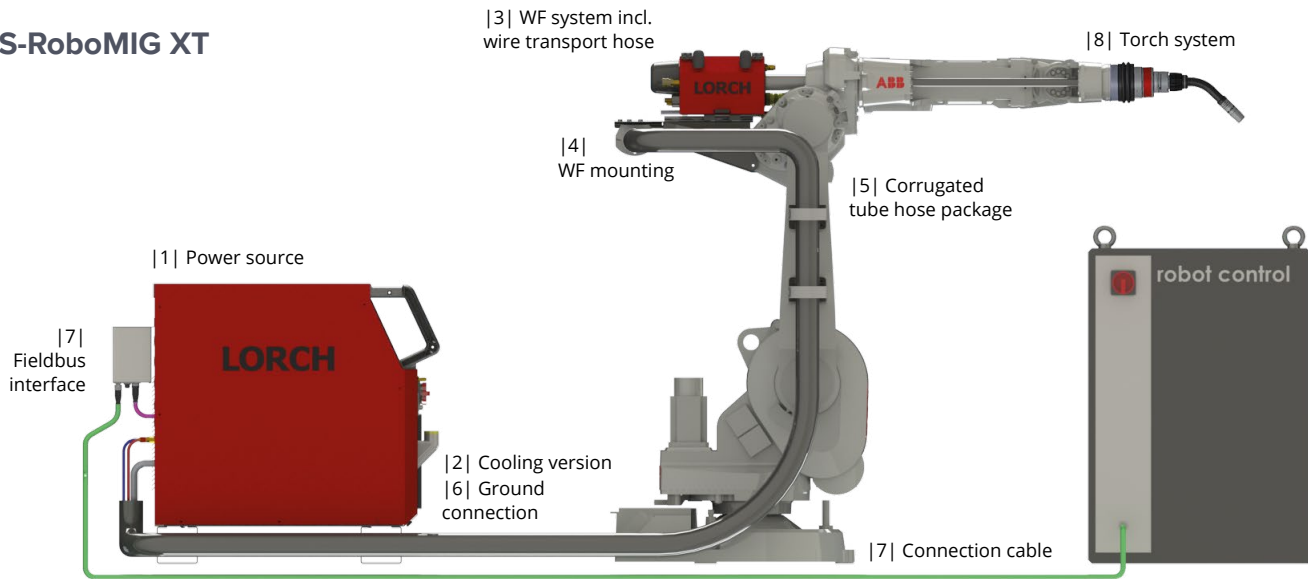
Welding packages for ABB IRB 1660ID

		Robotic packages S3 RoboMIG XT	Robotic packages S5 RoboMIG XT	Robotic packages S8 RoboMIG XT
	Power source equipment	G	W	W
|1|	Welding current	25 – 320 A	25 – 400 A	25 – 500 A
|1|	Duty cycle	320 A 40% 250 A 100%	400 A 50% 320 A 100%	500 A 60% 400 A 100%
|1|	Power source version	SpeedPulse version, including gas-pressure monitoring (integrated in power source) (processes included: SpeedPulse XT, SpeedPulse, SpeedArc XT, TwinPuls XT, Pulse, MIG-MAG-Synergy)		
|2|	Cooling version	Gas-cooled	Water-cooled	Water-cooled
|3|	Wire feed system	RF-06 (4 rolls/2 driven, steel 1.0/1.2 mm, Euro connector) incl. 6 m wire transport hose (can be shortened)		
|4|	Wire feed mounting	Mounting plate – matching the robot type (with sliding system for easier torch maintenance)		
|5|	Interconnection hose package	Corrugated tube hose package with compressed air line 50 mm², 5 m or 10 m	Corrugated tube hose package with compressed air line 70 mm², 5 m or 10 m	Corrugated tube hose package with compressed air line 95 mm², 5 m or 10 m
|6|	Ground connection	Welding return cable 95 mm² with cable shoe (for screw connection M12)		
|7|	Fieldbus interface	LorchNet connector Ethernet/IP** incl. 5 m connection cable to robot control, plus additional I/O socket		
	Torch equipment			
|8|	Torch type	LMR 2 – TN 6 CTC G	LMR 2 – TN 6 CTC W	LMR 2 – TN 6 CTC W
	Duty cycle	Mix 300 A 100% CO_2 350 A 100%	Mix 450 A 100% CO_2 500 A 100%	Mix 450 A 100% CO_2 500 A 100%
	Torch hose package	LMR 2 – HP 30-G (HW,SO) with Euro connector – length matching robot type (+/- 270° turning range)	LMR 2 – HP 30-W (HW,SO) with Euro connector – length matching robot type (+/- 270° turning range)	LMR 2 – HP 30-W (HW,SO) with Euro connector – length matching robot type (+/- 270° turning range)
	Torch neck/holder bend	45°		
	Safety equipment	HW hose package – with integrated safety deactivation		
	Starter kit wear parts	Incl. wear parts for steel 1.0/1.2 mm		
	Order information welding packages			
	Package name	Robotic package for ABB IRB 1660ID – S3 RoboMIG XT G	Robotic package for ABB IRB 1660ID – S5 RoboMIG XT W	Robotic package for ABB IRB 1660ID – S8 RoboMIG XT W
	Package order number (5 m)*	**230.9113.1**	**230.9115.5**	**230.9118.5**
	Package order number (10 m)*	**230.9113.2**	**230.9115.6**	**230.9118.6**

* Length of interconnection hose package

S-RoboMIG XT

|3| WF system incl.
wire transport hose

|8| Torch system

|4|
WF mounting

|5| Corrugated
tube hose package

|1| Power source

robot control

|7|
Fieldbus
interface

|2| Cooling version
|6| Ground
connection

|7| Connection cable

Welding packages for ABB IRB 2600ID

		Robotic packages S3 RoboMIG XT	Robotic packages S5 RoboMIG XT	Robotic packages S8 RoboMIG XT
	Power source equipment	G	W	W
|1|	Welding current	25 – 320 A	25 – 400 A	25 – 500 A
|1|	Duty cycle	320 A 40% 250 A 100%	400 A 50% 320 A 100%	500 A 60% 400 A 100%
|1|	Power source version	SpeedPulse version, including gas-pressure monitoring (integrated in power source) (processes included: SpeedPulse XT, SpeedPulse, SpeedArc XT, TwinPuls XT, Pulse, MIG-MAG-Synergy)		
|2|	Cooling version	Gas-cooled	Water-cooled	Water-cooled
|3|	Wire feed system	RF-06 (4 rolls/2 driven, steel 1.0/1.2 mm, Euro connector) incl. 6 m wire transport hose (can be shortened)		
|4|	Wire feed mounting	Mounting plate – matching the robot type (with sliding system for easier torch maintenance)		
|5|	Interconnection hose package	Corrugated tube hose package with compressed air line 50 mm², 5 m or 10 m	Corrugated tube hose package with compressed air line 70 mm², 5 m or 10 m	Corrugated tube hose package with compressed air line 95 mm², 5 m or 10 m
|6|	Ground connection	Welding return cable 95 mm² with cable shoe (for screw connection M12)		
|7|	Fieldbus interface	LorchNet connector DeviceNet incl. 5 m connection cable to robot control, plus additional I/O socket		
	Torch equipment			
|8|	Torch type	LMR 2 – TN 6 CTC G	LMR 2 – TN 6 CTC W	LMR 2 – TN 6 CTC W
	Duty cycle	Mix 300 A 100% CO_2 350 A 100%	Mix 450 A 100% CO_2 500 A 100%	Mix 450 A 100% CO_2 500 A 100%
	Torch hose package	LMR 2 – HP 30-G (HW,SO) with Euro connector – length matching robot type (+/- 270° turning range)	LMR 2 – HP 30-W (HW,SO) with Euro connector – length matching robot type (+/- 270° turning range)	LMR 2 – HP 30-W (HW,SO) with Euro connector – length matching robot type (+/- 270° turning range)
	Torch neck/holder bend	45°		
	Safety equipment	HW hose package – with integrated safety deactivation		
	Starter kit wear parts	Incl. wear parts for steel 1.0/1.2 mm		
	Order information welding packages			
	Package name	Robotic package for ABB IRB 2600ID – S3 RoboMIG XT G	Robotic package for ABB IRB 2600ID – S5 RoboMIG XT W	Robotic package for ABB IRB 2600ID – S8 RoboMIG XT W
	Package order number (5 m)*	**230.9123.1**	**230.9125.5**	**230.9128.5**
	Package order number (10 m)*	**230.9123.2**	**230.9125.6**	**230.9128.6**

* Length of interconnection hose package
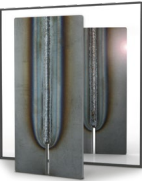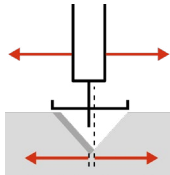
Optional accessories for robot welding packages

Remote control

Version		Order no.
	Manual remote control HR 918 including 5 m connection cable to the power source	570.2211.0

Bulk pack accessories

Version		Order no.
	Drum adapter with quick-action coupling	612.6027.0

Wire spool holder

Version		Order No.
Sample photo Delivery always inclusive plastic wire spool cover	Wire spool holder external (for wall anchoring)	450.0028.0

Inter-connection hose package mounting

Version		Order No.
Sample photo	Hose package holder (set of 2 holding clips)	612.1165.0

Welding process and functional upgrades

SpeedUp	SpeedRoot	SpeedCold	Seam tracking
360° operation. Weld vertical seams and other fixed positions quickly and with perfect ease and process reliability.	Top-tier gap bridging. Challenging root welding made easy.	Reduced heat input. Ideal for thin metal sheets.	Special software signal suitable both for vertical and horizontal adjustment of the torch guidance.
Order no. 575.1002.0	Order no. 575.1011.0	Order no. 575.1013.0	Order no. 575.1021.0

All upgrades require Windows-PC/laptop plus Lorch CAN-dongle set 570.2224.9 for installation.

Additional wire feeder rolls for steel/stainless steel

Version		Order no.	Ordering note
	Feed roll 0.8/1.0	620.8709.0	Always order wire feed rolls in pairs
	Feed roll 0.9/1.2	620.8939.0	
	Feed roll 1.0/1.2*	620.8941.0	
	Feed roll 1.2/1.6	620.8942.0	

*including as standard in the robot welding packages

Additional torch equipment for stainless steel and aluminium

Version	Order no.
LMR 2 – HP A-set AL/CrNi (1.0/1.2)	546.0000.2

Aluminium applications

Lorch robotic welding machines are also available as push-pull systems for aluminium applications upon request.

Pressure reducer

Version		Order no.
	Pressure reducer Pro Ar/Co2 C 200 bar 32/24	570.9265.0