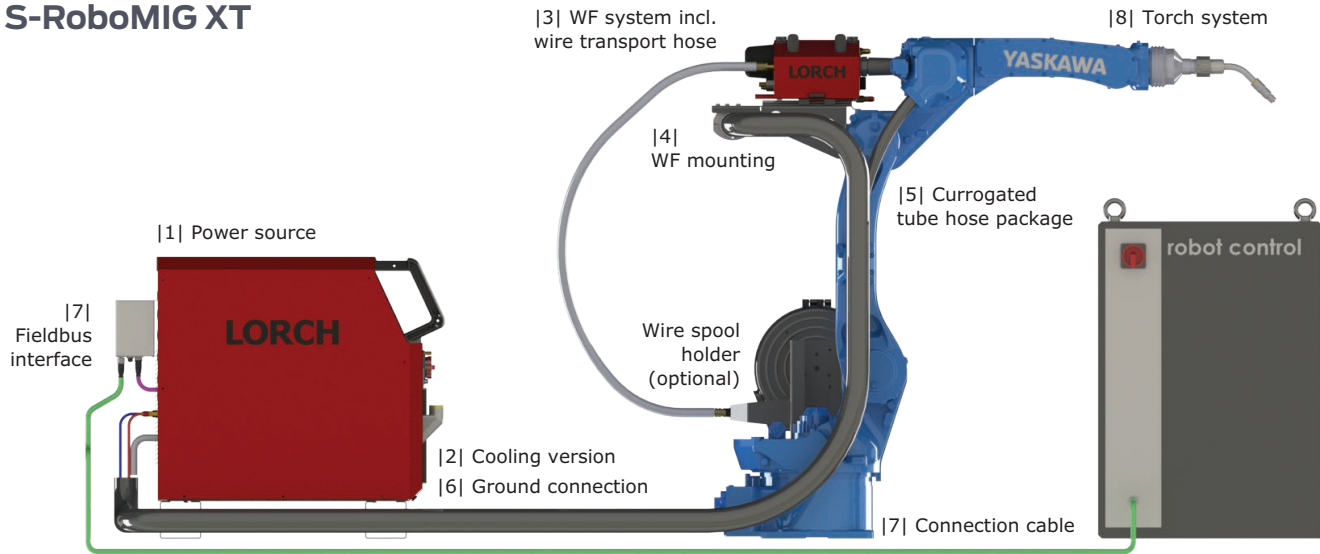


Lorch S-RoboMIG XT

ROBOT WELDING PACKAGES

for Yaskawa

S-RoboMIG XT



Welding packages for Yaskawa/Motoman AR1440

	Robotic packages S3 RoboMIG XT	Robotic packages S5 RoboMIG XT	Robotic packages S8 RoboMIG XT
Powersource 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 feeding system	RF-06 (4 rolls / 2 driven, steel 1,0 / 1,2 mm, Euro-Connector) incl. wire transport hose 6 m (shortenable)		
[4] Wire feed mounting	Mounting plate - matching the robot type (with sliding system for easier torch maintenance)		
[5] Inter-connection hose package	Currogated tube hose package with compressed air line 50mm ² , 5m or 10m	Currogated tube hose package with compressed air line 70mm ² , 5m or 10m	Currogated tube hose package with compressed air line 95mm ² , 5m or 10m
[6] Ground connection	Welding return cable 95mm ² 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	TBi RM 72 G	TBi RM 82 W	TBi RM 82 W
Duty cycle	Mix 400 A 60 %; 270 A 100 % CO ² 480 A 60 %; 320 A 100 %	Mix 550 A 100 % CO ² 600 A 100 %	Mix 550 A 100 % CO ² 600 A 100 %
Torch hose package	TBi Helix standard hose package with Euro-connector – length suitable for robot type (+/- 270° rotational range)		
Bend of torch neck/holder	45°/0°		
Safety equipment	incl. TBi KSC-2 safety-off mechanism		
Wear parts Starter-Kit	incl. wear parts for steel 1,0/1,2mm		
Order information welding packages			
Package name	Robotic package for YASKAWA AR1440 - S3 RoboMIG XT G	Robotic package for YASKAWA AR1440 - S5 RoboMIG XT W	Robotic package for YASKAWA AR1440 - S8 RoboMIG XT W
Package ordernumber (5 m)*	230.9413.1	230.9415.5	230.9418.5
Package ordernumber (10 m)*	230.9413.2	230.9415.6	230.9418.6

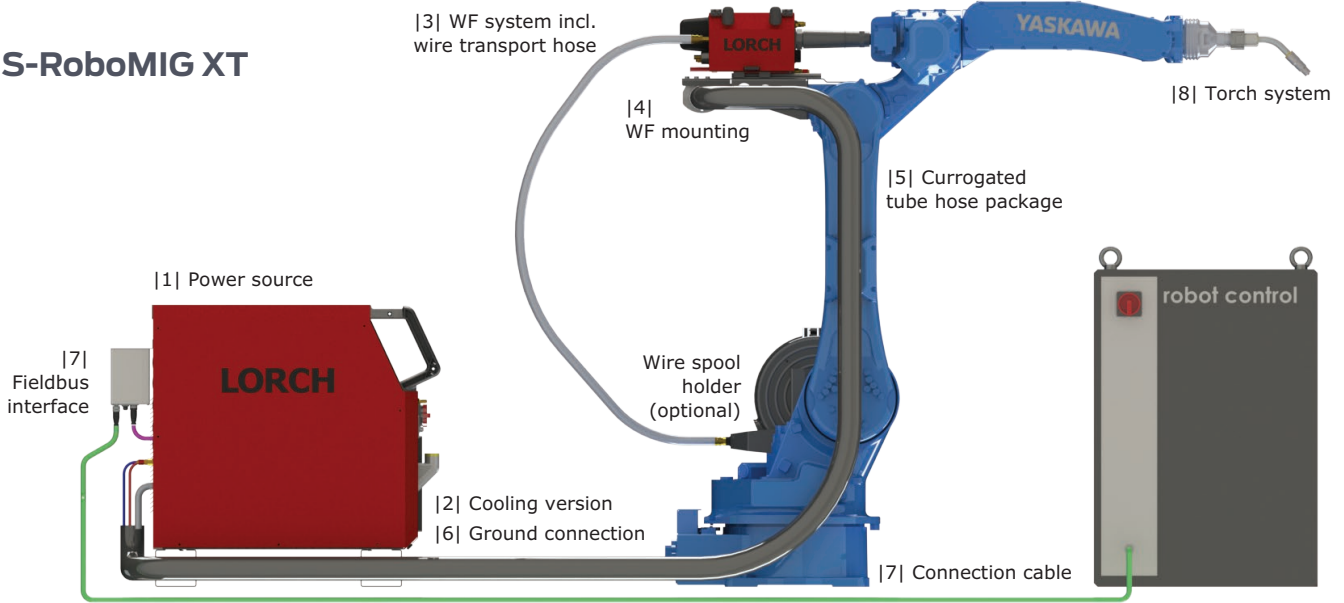
* length of inter-connection hose package

** Yaskawa interface requirement:

Functional package Lorch DX200 Controller (Yaskawa Mat-No: FP191414)

Functional package Lorch VRC1000 Controller (Yaskawa Mat-No: FP197847)

S-RoboMIG XT



Welding packages for Yaskawa/Motoman AR1730

	Robotic packages S3 RoboMIG XT	Robotic packages S5 RoboMIG XT	Robotic packages S8 RoboMIG XT
Powersource 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 feeding system	RF-06 (4 rolls / 2 driven, steel 1,0 / 1,2 mm, Euro-Connector) incl. wire transport hose 6 m (shortenable)		
[4] Wire feed mounting	Mounting plate - matching the robot type (with sliding system for easier torch maintenance)		
[5] Inter-connection hose package	Currogated tube hose package with compressed air line 50mm ² , 5m or 10m	Currogated tube hose package with compressed air line 70mm ² , 5m or 10m	Currogated tube hose package with compressed air line 95mm ² , 5m or 10m
[6] Ground connection	Welding return cable 95mm ² 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	TBi RM 72 G	TBi RM 82 W	TBi RM 82 W
Duty cycle	Mix 400 A 60 %; 270 A 100 % CO ² 480 A 60 %; 320 A 100 %	Mix 550 A 100 % CO ² 600 A 100 %	Mix 550 A 100 % CO ² 600 A 100 %
Torch hose package	TBi Helix standard hose package with Euro-connector – length suitable for robot type (+/- 270° rotational range)		
Bend of torch neck/holder	45°/0°		
Safety equipment	incl. TBi KSC-2 safety-off mechanism		
Wear parts Starter-Kit	incl. wear parts for steel 1,0/1,2mm		
Order information welding packages			
Package name	Robotic package for YASKAWA AR2010 - S3 RoboMIG XT G	Robotic package for YASKAWA AR2010 - S5 RoboMIG XT W	Robotic package for YASKAWA AR2010 - S8 RoboMIG XT W
Package order number (5 m)*	230.9433.1	230.9435.5	230.9438.5
Package order number (10 m)*	230.9433.2	230.9435.6	230.9438.6

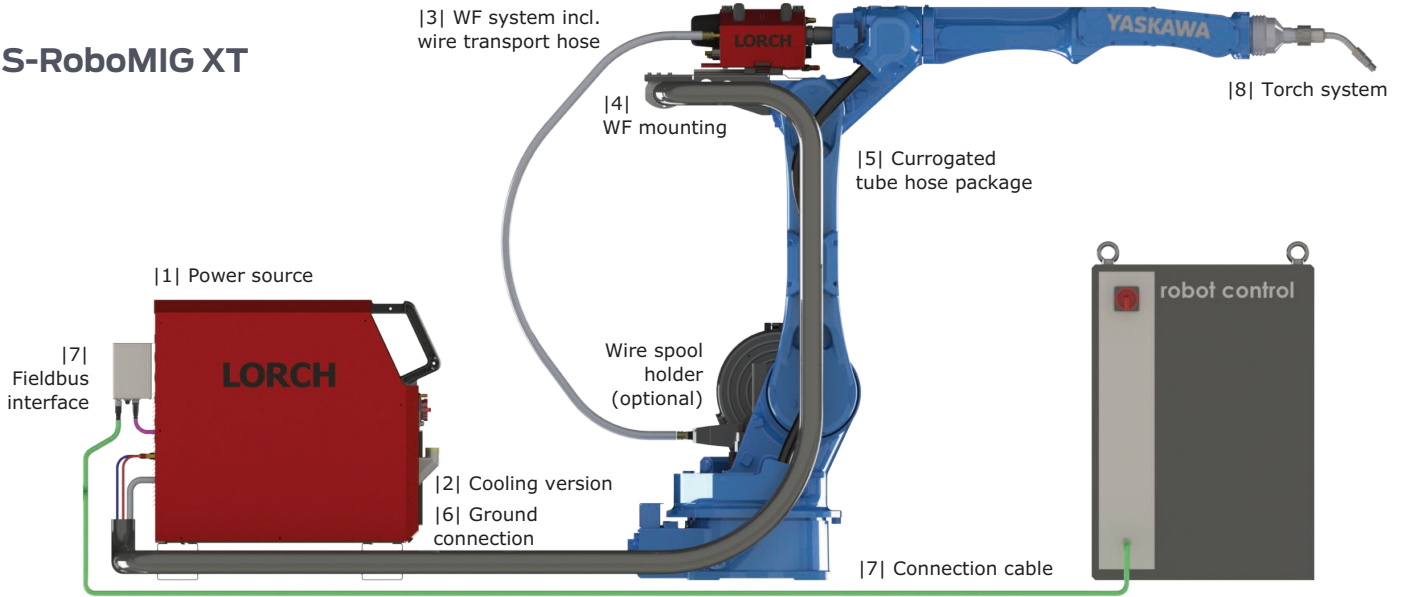
* length of inter-connection hose package

** Yaskawa interface requirement:

Functional package Lorch DX200 Controller (Yaskawa Mat-No: FP191414)

Functional package Lorch VRC1000 Controller (Yaskawa Mat-No: FP197847)

S-RoboMIG XT



Welding packages for Yaskawa/Motoman AR2010

	Robotic packages S3 RoboMIG XT	Robotic packages S5 RoboMIG XT	Robotic packages S8 RoboMIG XT
Powersource 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 feeding system	RF-06 (4 rolls / 2 driven, steel 1,0 / 1,2 mm, Euro-Connector) incl. wire transport hose 6 m (shortenable)		
4 Wire feed mounting	Mounting plate - matching the robot type (with sliding system for easier torch maintenance)		
5 Inter-connection hose package	Currogated tube hose package with compressed air line 50mm ² , 5m or 10m	Currogated tube hose package with compressed air line 70mm ² , 5m or 10m	Currogated tube hose package with compressed air line 95mm ² , 5m or 10m
6 Ground connection	Welding return cable 95mm ² 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	TBi RM 72 G	TBi RM 82 W	TBi RM 82 W
Duty cycle	Mix 400 A 60 %; 270 A 100 % CO ² 480 A 60 %; 320 A 100 %	Mix 550 A 100 % CO ² 600 A 100 %	Mix 550 A 100 % CO ² 600 A 100 %
Torch hose package	TBi Helix standard hose package with Euro-connector – length suitable for robot type (+/- 270° rotational range)		
Bend of torch neck/holder	45°/0°		
Safety equipment	incl. TBi KSC-2 safety-off mechanism		
Wear parts Starter-Kit	incl. wear parts for steel 1,0/1,2mm		
Order information welding packages			
Package name	Robotic package for YASKAWA AR2010 - S3 RoboMIG XT G	Robotic package for YASKAWA AR2010 - S5 RoboMIG XT W	Robotic package for YASKAWA AR2010 - S8 RoboMIG XT W
Package order number (5 m)*	230.9423.1	230.9425.5	230.9428.5
Package order number (10 m)*	230.9423.2	230.9425.6	230.9428.6


* length of inter-connection hose package


** Yaskawa interface requirement:


Functional package Lorch DX200 Controller (Yaskawa Mat-No: FP191414)

Functional package Lorch VRC1000 Controller (Yaskawa Mat-No: FP197847)


Optional accessories for robot welding packages

Remote Control	
Version	Order No.
 <p>Hand remote control HR 918 including 5m connection cable to the power source</p>	570.2211.0

Drum feeding equipment	
Version	Order No.
 <p>Drum adapter with quick connect system</p>	612.6027.0

Wire spool holder	
Version	Order No.
 <p>Wire spool holder external (for wall anchoring)</p>	450.0028.0
<p>Wire spool holder Yaskawa 1</p>	570.8652.0

Sample photo
Delivery always inclusive plastic wire spool cover

Inter-connection hose package mounting	
Version	Order No.
 <p>Hose package holder (set of 2 holding clips)</p>	612.1165.0

Sample photo


Welding process and functional upgrades							
SpeedUp	SpeedRoot	SpeedCold	Seam Tracking				
 <p>360° operation. Weld vertical seams and other fixed positions fast and with perfect ease and process reliability.</p>	 <p>Top-tier gap bridging. Challenging root welding made easy.</p>	 <p>Reduced heat input. Ideal for thin metal sheets.</p>	 <p>Special software signal suitable both for vertical and horizontal adjustment of the torch guidance.</p>				
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	
Version	Order No.
TBi Add-on Kit CrNi (1,0/1,2)	504.6083.0

Pressure reducer	
Version	Order No.
 <p>Pressure reducer Pro Ar/Co2 C 200bar 32/24</p>	570.9265.0

Aluminium applications
Lorch robotic welding machines are also available on request as pushpull systems for aluminium applications.