



CONFIGURATION EXAMPLE #2

AX STAINLESS STEEL

The share of stainless steel in industrial production grows constantly. It is a more demanding material than mild steel, but thanks to keeping production regimes, which is much easier in robotic applications, welding of stainless steels is now extremely efficient.

The use of advanced welding equipment in robotic stations enables quick and flexible adjustment of the station to accommodate constant changes of steel grade and higher quality requirements. Welding equipment with implemented monitoring of welding parameters is a key factor in the development of this industry.

Typical industry segments:

- food industry
- chemical industry
- process industry
- pharmaceutical industry
- pipes and pipelines

Example of AX MIG Welder configuration for stainless steel welding (for reference only):

Device Pack		AX 500 P+ SS
Power Source	X5100500000	X5 500 PULSE+ Power Source
Cooler	X5620000000	X5 Cooler 1400
Wire Feeder	RX21150025L	R500+ Euro Wire Feeder
	F000384	SS (FE) V1.0 HD
	SP800714	WF Bracket ABB IRB 1600 ID
Robot Connectivity Module	W022035	R500 Wire Feeder Bracket, Long
	RX311000000	RCM+
	RX7011200	M40 EtherNet/IP RJ45 2
Interconnection Cable	6260459	Robot 70-5-WH Cable shoe
Wire Conduit	SP600535	Wire conduit-1.8M Robot
	SP600731	Chili Liner kit for Ss/Al (8m)
Spool	W005189	Female connector for the wire drum or spool holder
	W007629	Wire Spool Support, Left
	SP007940	Plastic cover for wire spool holder
	W007356	Floor stand for wire spool holder
Cable Assembly	SP600721	Cable Assembly T1 W ABB IRB 1660 ID Euro
	SP600666	Chili Liner HP 2.0/4.7 2M Robot Eu
Flange	SP600581	Flange T1 ABB IRB 1600 ID
Gun Mount	SP600588	Robot Gun Mount T1 W
Gun Neck	SP600551B	Gun Neck 500-W 22°, Short

Note: For robotic welding guns and accessories – please see Kemppi “Robotic Welding Gun” product catalogue.

Welding software may be chosen from a wide range of welding curves (incl. Max and Wise processes and functions), depending on applications and production targets, in relation to used hardware configuration.