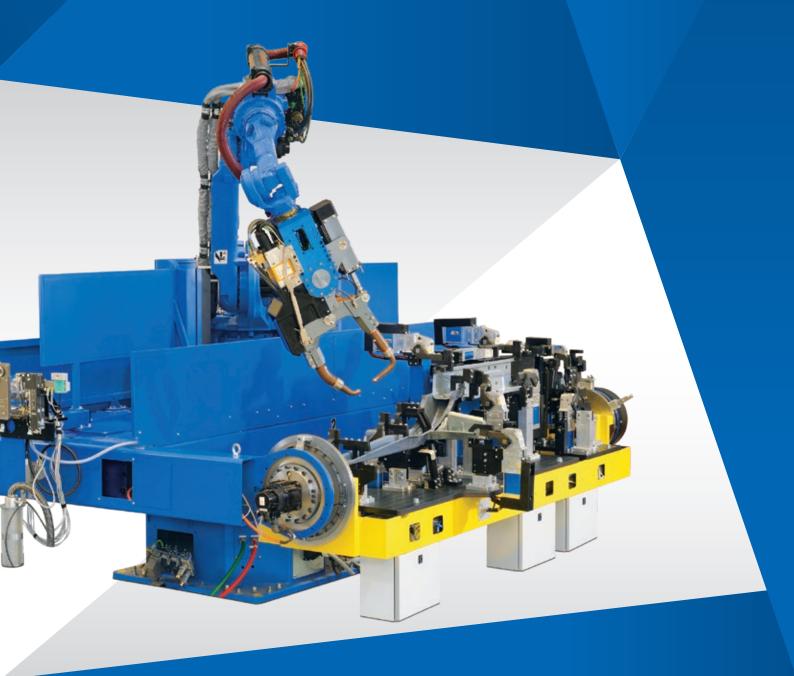


MOTOMAN Spot Welding Solutions

MOTOMAN SP Series / YRC1000 Robot Controller



SP Series

SP80

Controlled by YRC1000



Specifications SP80		
Controlled axes	6	
Max. payload [kg]	80 (88*)	
Repeatability [mm]	±0.03	
Max. working range R [mm]	2236	
Temperature [°C]	0 to +45	
Humidity [%]	20 – 80	
Weight [kg]	630	
Power supply, average [kVA]	4.0	

SP100



Specifications SP100		
Controlled axes	6	
Max. payload [kg]	100 (110*)	
Repeatability [mm]	±0.03	
Max. working range R [mm]	2236	
Temperature [°C]	0 to +45	
Humidity [%]	20 – 80	
Weight [kg]	660	
Power supply, average [kVA]	5.0	

Controlled by YRC1000

SP165-105



Controlled by YRC1000

Specifications SP165-105		
Controlled axes	6	
Max. payload [kg]	105 (120*)	
Repeatability [mm]	±0.05	
Max. working range R [mm]	3058	
Temperature [°C]	0 to +45	
Humidity [%]	20 – 80	
Weight [kg]	1090	
Power supply, average [kVA]	5.0	

SP165



Specifications SP165		
Controlled axes	6	
Max. payload [kg]	165 (180*)	
Repeatability [mm]	±0.05	
Max. working range R [mm]	2702	
Temperature [°C]	0 to +45	
Humidity [%]	20 – 80	
Weight [kg]	1020	
Power supply, average [kVA]	5.0	

Controlled by YRC1000

SP210



Specifications SP210	
Controlled axes	6
Max. payload [kg]	210 (225*)
Repeatability [mm]	±0.05
Max. working range R [mm]	2702
Temperature [°C]	0 to +45
Humidity [%]	20 – 80
Weight [kg]	1080
Power supply, average [kVA]	5.0

Controlled by YRC1000

SP235



Specifications SP235	
Controlled axes	6
Max. payload [kg]	235 (250*)
Repeatability [mm]	±0.05
Max. working range R [mm]	2710
Temperature [°C]	0 to +45
Humidity [%]	20 – 80
Weight [kg]	1345
Power supply, average [kVA]	5.0

Controlled by YRC1000

SP150R / SP185R

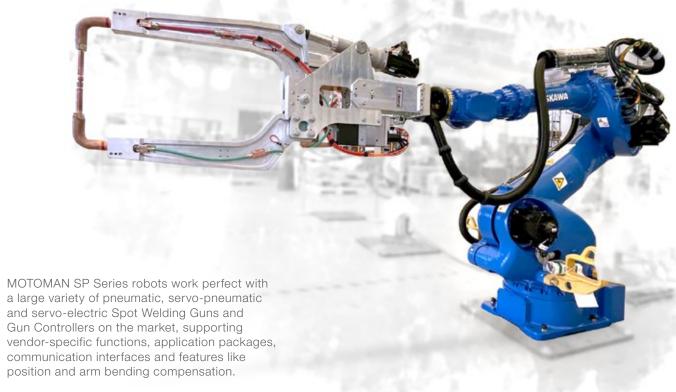




Specifications SP150R / SP185R		
Controlled axes	6	
Max. payload [kg]	186,5 (200*)	
Repeatability [mm]	±0.05	
Max. working range R [mm]	3140	
Temperature [°C]	0 to +45	
Humidity [%]	20 - 80	
Weight [kg]	1830	
Power supply, average [kVA]	5.0	



Spot Welding Guns



Please ask for more details.









Dresspack

- Spot Welding gun wiring from robot base to wrist 35 mm² power cord, water pipe PUR 12, motor, encoder, signal cables
- Spot Welding connection from robot base to YRC1000 controlle, spot welding timer and water colling supply



Welding Timer

- · Spot Welding Middle frequency inverter and welding controller
- Force and Stroke parametrization with robot teach pendant





MATUSCHEK

Automatic Tip Dresser & Tip Changer



The automatic Tip Dresser and Tip Changer, is used in case of a fully automated workstation, where the electrode dressing and electrode change is performed automatically. The electrodes are placed in a magazine next to the dressing unit and the electrodes on the gun are replaced by an automatic extraction and replacement system.



Customer Service and Support.

From the Initial Concept to the Turnkey System.

With more than 40 years of experience in system development and engineering, and wide-ranging expertise in robot technology, Yaskawa offers an all-round package tailored to your needs. Consulting also receives high priority: even if you have only a vague notion of how your workpiece is to be welded, Yaskawa will draw up a concept for you, integrate the required components and present you with a solution that will fire your imagination.



Consulting

• In-process engineering services



Testing

- 3D simulation
- Prototyping and pre-series production on test systems
- Performance of welding trials
- Quality control by macrosections



Training

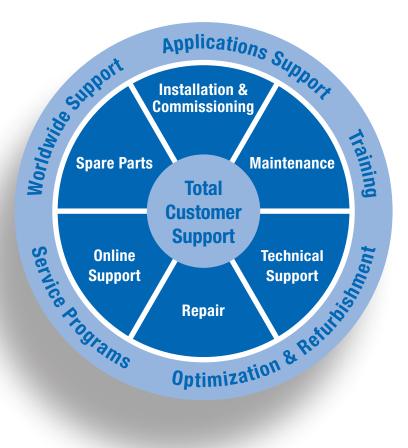
- Operator training on site or in our Academies
- Welding training



Service

- Maintenance and repair
- Overhauls and refurbishments

Total Customer



Yaskawa supports you throughout the entire product lifecycle with service products and services tailored to your needs.

The 360° all around support, the TOTAL CUSTOMER SUPPORT, not only refers to the Yaskawa products and systems but also to your applications and processes.

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... customer satisfaction is our top priority!







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Technical data may be subject to change without previous notice.
Please request detailed drawings at robotics@yaskawa.eu.

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