

## RWV2

Compact positioner  
“Robots on board” welding systems

### Maximum efficiency boost – robots on board

The RWV2 compact positioners with their permanently installed welding robots enable significant savings in the welding cell in terms of space and cycle time requirements.

They are configured in such a way that they can already carry out welding during the rotational motion for changing stations, thus generating a significant improvement in cycle times.

Space requirements in the welding cell are minimized as a result of the installation

of the robots on the positioner, the position of the programmer and the loading/unloading area. Furthermore, the maintenance door is no longer required.

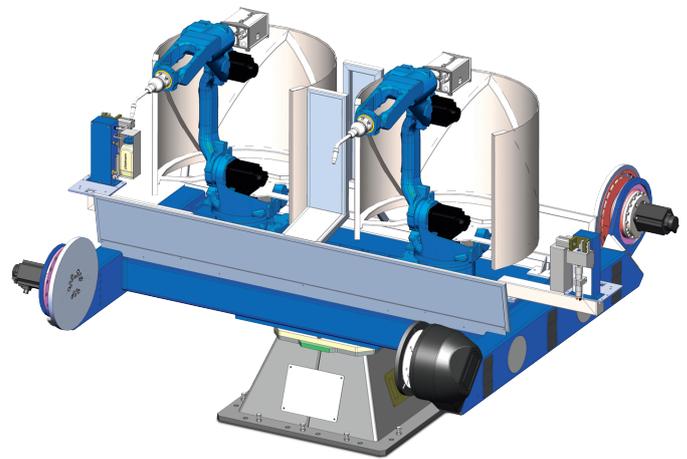
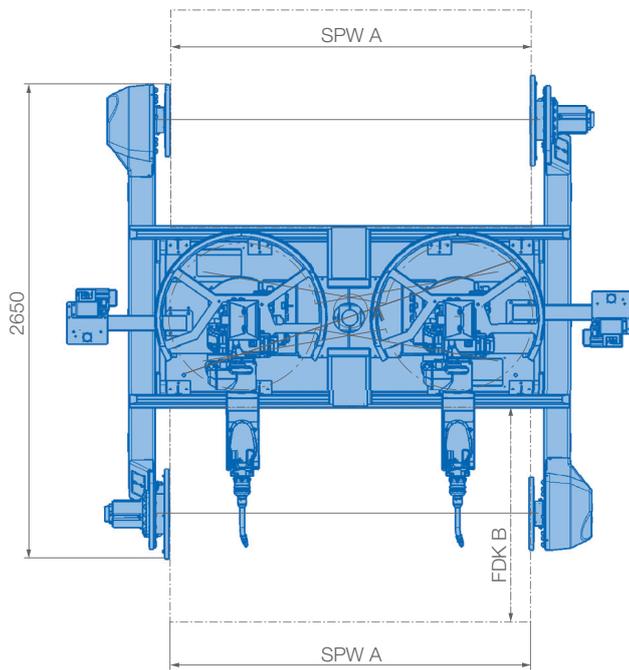
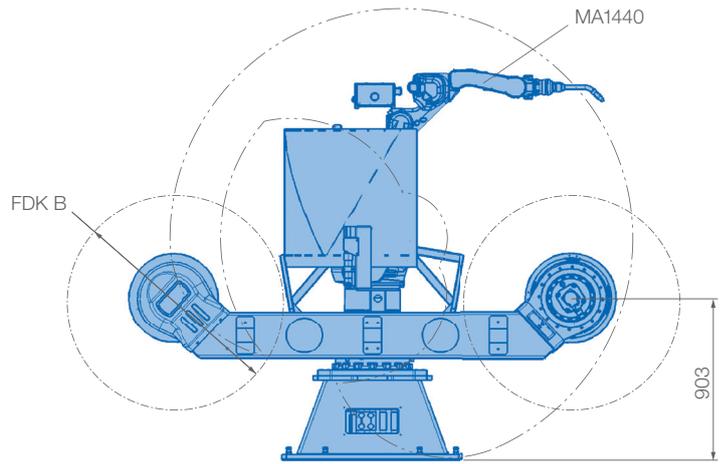
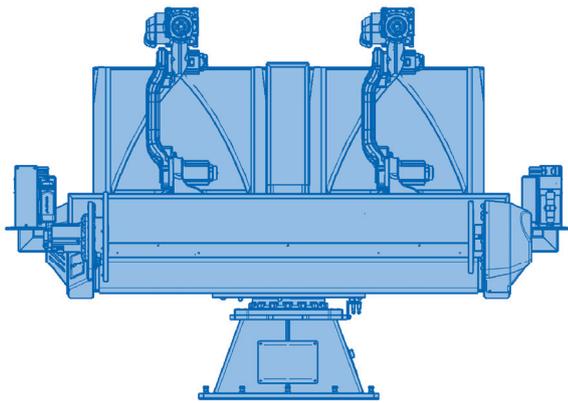
One or two welding robots from different classes of the latest robot generation can be installed at the center of the positioner table, while the payload capacity of the compact positioner can be as high as 1000 kg.

The advantages of the integrated safety controller (FSU) in the MOTOMAN DX200 robot controller can also be used (e.g. 32 safety zones).

### KEY BENEFITS

- Robots on board
- High-precision welding:
  - Constant position of the robot relative to the work piece and jig during rotation of the table
- Platzzeinsparung bis zu 20%:
  - Space-saving design
  - Space-optimised loading and unloading
  - No maintenance door required
- Time, energy and cost savings:
  - Significant cycle time optimization by bonding during the rotational motion
  - No loss of cycle time during change of station
  - Integrated safety function (FSU) in the controller (DX200)  
(e.g. 32 programmable safety zones)





Technical data	RWV2-500	RWV2-1000
Rated payload [kg]	500	1000
Wide of centres A [mm]	1400 – 2800	1400 – 4000
Free turning diameter B [mm]	1200 – 1600	1200 – 1600

System components
1x RWV2 Compact positioning table
2x Robots, fixed, standard models: MA1440 / MA2010 / MS80W II (more on request)

Rotation drive	DD-500
Rated torque [Nm]	920
Max. speed [°/sec]	170

Optional components
Welding power source RL350
Weldkit WL200
DX200 integrated safety controller FSU