

# ArcWorld RS & HS

Wide-ranging possibilities

Where space is limited, the »Mini« and »Micro« have a lot to offer. Easy to ship, install and operate, they make it possible to go from delivery to full operation in just four hours. Ideal for replacing or supplementing manual welding, e.g. for pre-assembly prior to welding in a larger robot cell. The MOTOMAN-AR900 with a 7 kg payload capacity and an easy-to-clean finish. It is equipped

with a selection of advanced YASKAWA programming functions to maximize welding quality and robot speed.

With our »Mini« and »Micro«, it is possible to double output while halving preparation time.



## ArcWorld RS Mini

Complete with robot and controller, the ArcWorld RS Mini – with its revolving door and table – makes the transition from manual welding much easier.

Technische Daten ArcWorld RS Mini	
Abmessungen	1437 x 2148 x 2191 mm (B x T x H)
Gewicht	895 kg
Traglast	Maximal 100 kg je Drehtischseite
Roboter	MOTOMAN AR900
Steuerung	YRC1000



## ArcWorld HS Micro

The smallest welding cell in the family with a footprint of just 1.4 m². It is also available with a rotating fixture disc, ideal for welding and training purposes.

Technische Daten ArcWorld HS Micro	
Abmessungen	953 x 1970 x 2138 mm (B x T x H)
Gewicht	690 kg
Traglast	Maximal 100 kg auf festem Tisch
Roboter	MOTOMAN AR900
Steuerung	YRC1000

### Scope of Delivery

- Platform and casing with green polycarbonate glare shield
- MOTOMAN-AR900 robot with YRC1000 controller
- Start/stop button panel
- Fume extraction hood
- CE mark
- Comes complete with welding equipment (multiple suppliers)

### KEY BENEFITS

- Very small footprint
- Short delivery times
- Easy to install
- Easy to relocate

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

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# ArcWorld Family

Delivering a flexible, space-saving and cost-effective option for integrating robotics into your welding processes



Controlled by  
**YRC1000**

New generation  
**Sigma-7**

Fixture holder  
**MotoMount**



# ArcWorld CS

Designed for high output

Packed with user-friendly features and designed for optimal performance in the smallest possible space. Practical and bright workplace for the operator.

The cell is prepared for TIG, MIG or MAG welding, depending on customers requirements. The positioner variants of different types and sizes ensure high workpiece flexibility, while the open design enables loading and unloading from above.

## Easy to install

The internal connection to the robot controller and interior lighting are already in place. So all you need to do is simply connect the mains power to the power distribution box which is located on the rear end of the ArcWorld CS.

## Easy to move

The wheels on the underside of the cell allow easy positioning. A forklift is required to move and relocate the entire robotic cell.

## All in one place

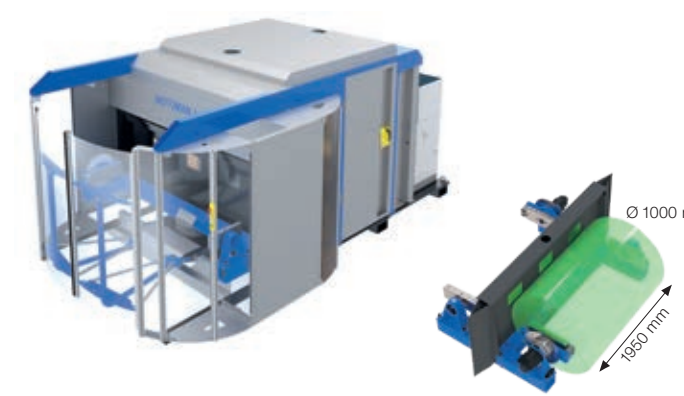
Robot, positioner, controller and power supply are all mounted on a common platform. This makes it easy to move the ArcWorld and start up again if needed. In addition to the outlet for the welding power source, the power distribution box also has extra sockets for 230 VAC and 400 VAC that can be used for other equipment. Connections for compressed air are also included.



## ArcWorld CS V2-500, L = 1300

Space-saving and user-friendly design for ease of use. This compact system is capable of handling workpieces with a max. width of 1200 mm. Material can be loaded using an overhead crane.

Technical data ArcWorld CS V2-500 Y3 (L = 1300)	
Dimensions	2300 x 4435 x 2360 mm (W x D x H)
Workpiece size	Ø 900 mm, width 1200 mm
Payload	500 kg per station
Robot	MOTOMAN-AR1440
Controller	YRC1000



## ArcWorld CS V2-500, L = 2050

Space-saving and user-friendly design. This compact system is capable of handling medium to large workpieces. Material can be loaded using an overhead crane.

Technical data ArcWorld CS V2-500 Y3 (L = 2050)	
Dimensions	3062 x 5055 x 2360 mm (W x D x H)
Workpiece size	Ø 1000 mm, width 1950 mm
Payload	500 kg per station
Robot	MOTOMAN-AR2010
Controller	YRC1000



## ArcWorld CS V2-500, L = 2400

Generous width for large workpieces. Single or twin robot system. Material can be loaded using an overhead crane.

Technical data ArcWorld CS V2-500 Y3 (L = 2400)	
Dimensions	3500 x 5684 x 2409 mm (W x D x H)
Workpiece size	Ø 1200 mm, width 2300 mm
Payload	500 kg per station
Robot	MOTOMAN-AR2010 (single or twin)
Controller	YRC1000



## ArcWorld CS V2TL-500

The built-in turn-tilt positioner for workpieces with a max. diameter of 1200 mm ensures high positioning freedom during welding. Material can be loaded using an overhead crane.

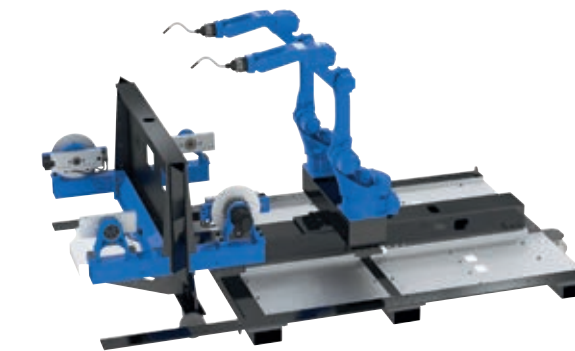
Technical data ArcWorld CS V2TL-500	
Dimensions	3062 x 5055 x 2360 mm (W x D x H)
Workpiece size	Ø 1200 mm, width 600 mm
Payload	500 kg per station
Robot	MOTOMAN-AR1440
Controller	YRC1000

## Options

- Service door located to the left of the operator
- Media transfer to positioner (signals, air, current)
- Retrofit adapter for old fixtures
- MotoSim with kinematic simulation
- Integration of welding equipment and power sources of various types and from different manufacturers
- Twin robot system

## KEY BENEFITS

- Short delivery times
- Easy to install and to relocate
- Easy to operate
- Small footprint
- Generous space for the robot
- Material can be loaded using an overhead crane
- User-friendly design for ease of use
- Prepared for offline programming
- TIG, MIG or MAG welding possible
- CE mark



## MotoMount Fixture Bracket

Our positioners with head- and tailstock modules HM/TM also include MotoMount. This reduces stress and wear on the positioner and fixture, eliminating the warping of parts due to load stress.

