**ArcWorld® C-50 Series**

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**STANDARD, PRE-ENGINEERED ARC WELDING SOLUTION**

- Designed specifically for high-mix production of small- to medium-sized parts
- Workcell is shipped pre-assembled on a common base.
- Power supplies and controller are on a sub-base which can be pulled out for servicing access.
- Twist-lock connectors are included on all interconnection cables.
- World’s fastest MA1440 arc welding robots can reduce cycle time by 15 percent, greatly enhancing productivity.
- MA-series robots are backed by the industry’s only two-year torch cable warranty.
- Unique 7-axis VA1400 II robot provides additional application flexibility in the dual station workcells. The added “elbow” axis allows it to easily bend around the center partition.
- The AWC-50 models include a single welding station with fixed tooling (AWC-50) or a servo-driven MH185 headstock (AWC-50S)
- Dual-station models are available with fixed tooling (AWC-52) or with two MH185 headstocks (AWC-52S).
- Due to high payload capacity of headstock, a tailstock is not needed.
- Tooling risers are provided for the fixed-station workcells. Dowel pins can be used for changeover between multiple parts/fixtures.
- Single large tabletop (AWC-50) or two smaller tabletops (AWC-52) are available as options.
- Dual station eliminates sweep time of part positioner.
- Powered roll-up door(s) improve operator ergonomics.
- Robot operation is interlocked with roll-up doors to safeguard the operator during part load/unload.

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**KEY BENEFITS**

- Compact workcell suited to high production
- Mounted on a common base for quick installation and relocation
- High productivity without increased footprint or integration complexity

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**SPECIFICATIONS**

- Max Part Size (mm)
  - AWC-50: 1,650 x 685
  - AWC-52: 775 x 685 each
- Max Tooling Diameter (mm)
  - AWC-50S: 1,300 x 700
  - AWC-52S: 550 x 700 each

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**ROBOTS**

- MA1440
- VA1400 II
OPTIONS

- Binzel or Tregaskiss torches and reamers
- Variety of weld packages: Miller, Fronius, Lincoln
- Wide variety of fieldbus cards and HMIs
- Vision systems
- Seam tracking and seam finding packages
- Tip changing service window
- ToolSight® TCP gauge
- Kinetiq Teaching™

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