



GRIFFIN AUTOMATION, INC.

DESIGNERS AND BUILDERS OF AUTOMATION MACHINERY FOR INDUSTRY

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PTC 75-A ROBOT WELDING CELL

Today's lean manufacturing methods require versatile efficient production methods. To meet this need, Griffin Automation has developed a standard fully integrated Robot Welding Cell with the ability to be easily and quickly retooled for a variety of products. Our standard Robot Welding Cell is shipped completely assembled, ready to start production in you plant within a matter of hours.

The standard Griffin Automation PTC 75-A Robot Work Cell is set up as a MIG weld system using a Panasonic 6-axis articulated arm robot and a 350 Amp MIG Weld power supply. A 500 amp MIG weld power supply is optional. A TIG welding kit can also be supplied as an option.

A high speed 48-inch turntable (60-inch optional), equipped with a pair of quick change fix-



STANDARD PTC 75-A ROBOT WORKCELL which can be adapted to a variety of welding applications. Other larger robot weld cells are also available tailored to your specific application.

ture mounting plates, will easily accommodate a variety of weld fixtures.

An operator can un-load a completed part and load components for a new weldment into one fixture, while the robot is welding a previously loaded assembly in the opposite fixture. A safety barrier on the turntable protects the operator from the weld arc flash.

Griffin Automation can supply design and manufacture of custom weld fixtures to fit your needs or you can supply your own part tooling.

Safety equipment includes twin interlocked safety switches on maintenance access doors, light curtain protected operator safety zone, operator and area arc flash protection, and rotary table operation interlocked with the light curtain.



DUAL STATION ROBOT WORKCELL is a lower cost alternative to the rotary table welding cell.

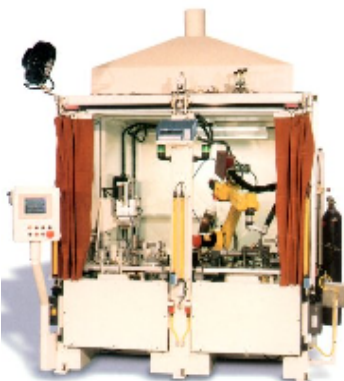


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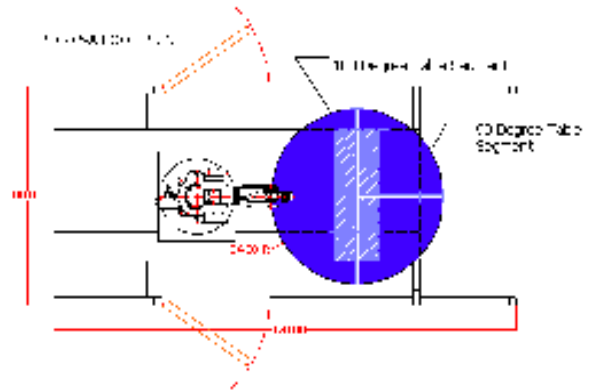
PT 75-A ROBOT WELDING CELL SPECIFICATIONS AND OPTIONAL EQUIPMENT

STANDARD PTC 75-A ROBOT WELD CELL SPECIFICATIONS:

- Panasonic VR-4G2 6-axis robot manipulator (1397 mm / 55 inches reach).
- Heavy-duty fabricated steel frame with common base.
- 48-inch diameter 180° rotary worktable with air over oil oscillator drive and two quick change fixture mounting plates.
- Hollow center in turntable for utilities.
- Tweco MIG weld torch, with safety holder.
- Panasonic wire feeder.
- Panasonic VR-4G2 robot controller and 30 digital inputs / outputs. 440 volt AC, 3-phase power required.
- Adjustable leveling feet.
- Touch screen operator control panel.
- Safety enclosure with access door and interlocked safety switches.
- Light curtain for operator safety zone protection.
- Gas nozzles for welding.
- Documentation and programming manuals.
- Start-up and training at the customer's site.



CUSTOM DESIGNED ROBOT WORK CELLS can be supplied to fit specific applications, where one of our standard robot weld cells cannot be adapted.



AVAILABLE OPTIONS

- 60" diameter rotary worktable.
- 500 Amp. Panasonic AAI 500 welding power supply.
- G2 PC tool software.
- Light beacon.
- Tweco or Pac*MIG air cooled torch.
- TIG weld conversion kit.
- Torch cleaning station.
- Wire cutting station.
- Thru arc seam tracking software.
- Advanced robot training for operation / maintenance or programming.

***For additional information and pricing,
please contact us at:***

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