

PEGASUS COLLABORATIVE ROBOT CART BY AWG

Finding skilled welders is challenging across all industries. Automation is usually the best solution and the most practical and cost-effective answer. We combined more than a half-century of welding knowledge, gas expertise, and over 500 automation installs with your real-world needs to create the AWG Cobot Cart. It is designed for safe, direct human interaction. Take your business to the next level with this affordable, innovative solution.

FEATURES

APPLICATION: ARC WELDING

- Powerful and precise, the ultra-compact YRC1000micro controller minimizes installation space and optimizes performance. Its small footprint and lightweight cabinet are ideal for factories with high-density layouts, where stacking of controllers may be required.
- The AWG Cobot offers flexibility to suit diverse needs. It can integrate with your welding power source or come paired with the Fronius power source. Additionally, it can be customized for push-pull applications.
- The AWG Cobot backed by the Yaskawa YRC1000 controller & micro controller are the only one on the market to offer an external axis positioner giving you an optional 7th axis.
- The six-axis HC10DTP collaborative robot enables operation with, or in close proximity to human workers. Precision hand-guiding facilitates easy programming for fast implementation of the robot system, while a pinch-less design featuring Power and Force Limiting (PFL) technology constantly monitors force to quickly react to contact.

KEY BENEFITS

Fast and easy setup for many weld jobs. Easily trainable robot for programming different welding projects.



AWG Pegasus w/ MICRO Controller (No Welder)*

Already have a welder? We can incorporate your existing welder with our cobot. We provide you with a state of the art AWG gun with three different power pins— Lincoln, Tweco & Miller.

Various jig and fixture kits are also available if the standard 34pc kit doesn't meet your needs. Many other options available. Please inquire.

*Patent pending. 2023

AWG-100006

PROVIDING SOLUTIONS FOR A BETTER TOMORROW

American Welding & Gas Automation Division | 2629 Rand Road Indianapolis, IN 46241

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SPECIFICATIONS



Robot | HC10DTP

Collaborative Robot with Hand-Guided Teaching. It has a 47 inch (1200mm) horizontal reach.

YRC1000 Controller

Powerful and precise, the ultra-compact YRC1000micro controller minimizes installation space and optimizes performance. Its small footprint and lightweight cabinet are ideal for factories with high-density layouts, where stacking of controllers may be required.



YRC1000 Micro Controller w/ Smart Pendant

- Ultra-Compact, Industrial Robot Controller. Enhanced ergonomic and lightweight design.
- Several user levels, including OPERATOR and SAFETY MODE.
- Touch screen user interface enables fast and easy programming.
- Provides ability to evaluate 3D simulation of robot motion on screen before or during robot execution.
- Specific display options for general purpose applications; includes built-in help function. USB connection allows service staff to directly connect for remote service purposes.
- SD card slot enables easy transfer of job programs.
- 3-position enable switch in compliance with DIN EN ISO 1021 8-1.
- Smart Pendant- Intuitive and powerful pendant interface that requires minimal upfront robotics training.



Heavy-Duty Industrial Cart

- Heavy-duty industrial cart with a 5'x3' laser-cut surface plate
- Table Accuracy: +/- 0.015" flatness over 32 square feet area, laser validated
- 1/2" thick precision laser-cut top with 5/8" holes in a 2" grid pattern
- Designed for increased welding productivity with a fast, accurate, and simple modular fixture system
- Includes a 31-pc. Fixturing Kit
- Equipped with floor levelers, front slot, and grid for hanging fixtures
- Features heavy-duty metal locking casters and a pendant holder
- Includes an emergency e-stop/start button panel box
- Arm off to the side maximizes tabletop use
- Made in the USA

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