

# PEGASUS ELITE 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

- The YRC1000 is a compact, fast, and flexible controller for MOTOMAN robots, offering high performance within a small cabinet. It improves typical YASKAWA controller functionality, with increased speed and enhanced path accuracy.
- The Pegasus Elite features the Fronius 400i power source for rapid welding response and effective arc control. Advanced SynchroPulse technology and new stabilizers simplify welding processes, with customization available for aluminum push-pull applications.
- The AWG Cobot, with the Yaskawa YRC1000 controller, is the only product offering an external axis positioner for an optional 7th axis.
- The HC10DTP collaborative robot operates safely near human workers, featuring precision hand-guiding for easy programming and Power and Force Limiting (PFL) technology for quick force response.



### KEY BENEFITS

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

## AWG Pegasus Elite Cobot w/ YRC1000 Controller & Fronius Welder

Fronius offers a wide range of welding processes including Synergic Pulse, Synchro-Pulse, CMT, PMC, LSC, and more. Paired with our power supply, it's the most powerful system for robust applications. We provide push/pull wire solutions for aluminum welding, with customizable jig and fixture kits available. Contact us for additional options.



AWG-100005

## PROVIDING SOLUTIONS FOR A BETTER TOMORROW

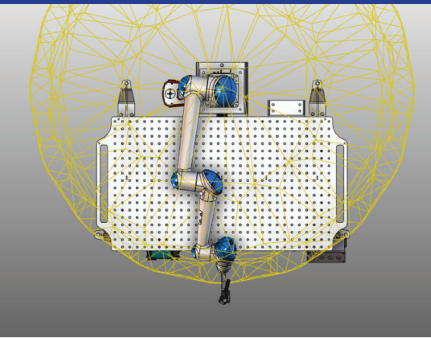
American Welding & Gas Automation Division | 2629 Rand Road Indianapolis, IN 46241

© American Welding & Gas, Inc. 2024. Please contact your local territory manager for more information.



# PEGASUS ELITE COLLABORATIVE ROBOT CART BY AWG

## SPECIFICATIONS



### Robot | HC10DTP

Collaborative Robot with standard pendant. It has a 47 inch (1200mm) horizontal reach.

### YRC1000 Controller

The programming pendant features a single point of control, a large color touch screen, USB and SD card memory storage, standard workcell software functions, multi-tasking capability (up to 7 jobs at once), coordinated motion, twin synchronous operation, mirror copy functionality, ladder logic editing and display, collision detection, software weaving, Ethernet port, and Ethernet I/O options.



### YRC1000 Controller w/ Smart Pendant

- Built to a global standard and does not require a transformer for input voltages ranging from 380VAC to 480VAC
- I/O communication speed is improved by as much as 50% for superior work efficiency
- MLX300 software add-on option for PLC integration
- High path accuracy enables increased precision in trajectory performance independently of motion speed
- Integrated machine and functional safety for simplified setup
- Single controller-to-robot cable for improved cable reliability



### 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



AWG-100005

## PROVIDING SOLUTIONS FOR A BETTER TOMORROW

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

© American Welding & Gas, Inc. 2024. Please contact your local territory manager for more information.

