

Fabhp-v Robot

WRISTS

- Tighter connection between wrist plates and forearms prevent droop.
- Interlocking gears with anti-backlash springs are replaced with patented interconnected stainless steel bands for higher reliability and elimination of all side-to-side (backlash) motion.
- Ceramic bearings are used for long life and are enclosed to protect from process deposition and prevent iron particle contamination.
- End effector leveling adjustments are performed at the wrist for greater alignment accuracy and faster setup/teach time.
- Design eliminates preventive maintenance.
- Designed for use with a Fabworx o-ring, molybdenum, or Gravity Edge Hold™ end effector.

ELBOWS

- Precision-machined components and pressed-fit bearings create a tighter design more resistant to the loads and forces at this location.
- Tighter connection between lower arms and forearms dramatically reduces bearing wear.
- Bearings are sealed to prevent iron particle contamination.



HUB BEARINGS

- Bearings are ceramic hybrid to provide long life and are isolated to eliminate ball-to-ball collisions, reducing wear and particles.
- Bearings are shielded to prevent vacuum grease migration and reduce particles.

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FABWORX SOLUTIONS, INC.

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