

# Fabht 300 Robot

PARTICLE REDUCTION | RELIABILITY IMPROVEMENT | ELIMINATION OF ROBOT DROOP

## WRIST

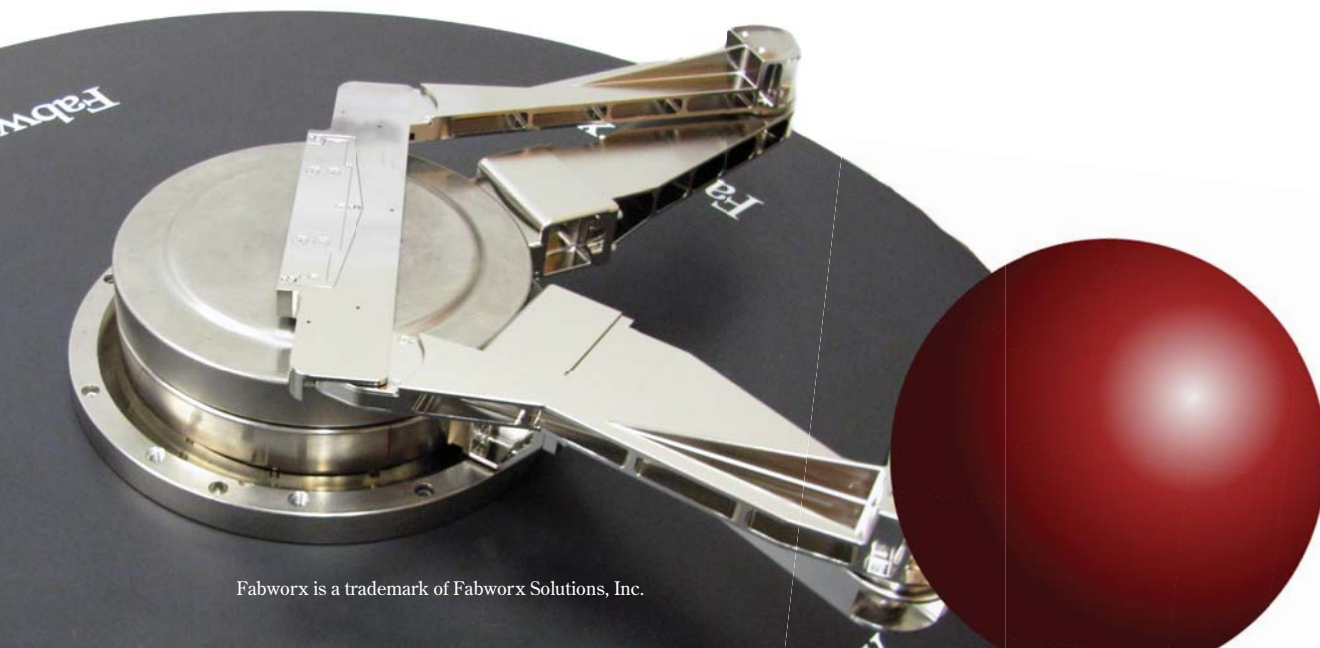
- Long, unsupported wrist bands are replaced with a unique stainless steel rod and band system to reduce thermal sensitivities and eliminate backlash.
- Band guide channels are removed to eliminate the chance of wrist band scraping.
- Improved bearing joint design eliminates droop, reduced side-to-side motion, and improves placement repeatability.
- Wrist bearings are enclosed to prevent particles from getting onto wafers.
- Patented end effector clamp allows for leveling at the wrist, resulting in greater precision and faster setup/teach time.

## ELBOW AND LOWER ARM

- Proven elbow joint design with precision-machined components and pressed-fit bearings creates a tighter, stronger structure to reduce bearing wear and eliminate droop.
- Bearings are enclosed to prevent particle contamination.
- Independent pitch, roll, and z-adjust at hub connection for faster installation and setup.

## PERFORMANCE

- Improved lifetime and low ongoing maintenance costs.
- Engineered to eliminate all sources of particles.
- Side-to-side movement is reduced, improving wafer placement repeatability.
- Robot droop is eliminated.
- More than 30% reduction in robot weight lessens stress on hub, elbow and wrist bearings, extending lifetime.



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