

## PERFORMANCE ENHANCEMENTS

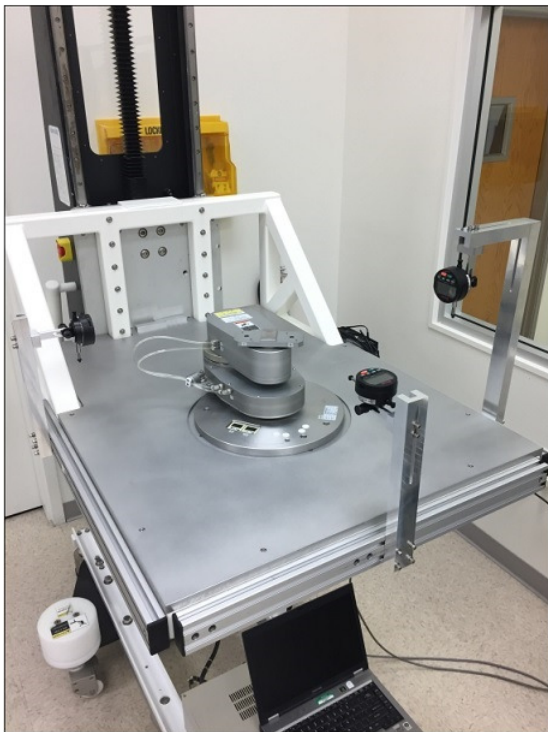
### Sustainable Solutions is Our Ongoing Commitment

Concept Part Solutions is dedicated to extending the lifetime of your maturing semiconductor manufacturing equipment. As your toolsets age and new processes emerge, we pursue every opportunity through our Continuous Improvement Program (CIP) to offer important enhancements that increase the reliability, productivity, and performance of your install base.



## PEP Platforms

# Yaskawa Robot Refurbishment



Yaskawa on CPS Test

**Concept Part Solutions is committed to ensuring its licensed equipment portfolio has programs available to extend the lifetime of the toolset. CPS is proud to announce the PEP Platform Yaskawa Refurbishment program.**

CPS has developed a full in-house PEP Platform Yaskawa Robot refurbishment program. This comprehensive program restores the robot to full functionality and replaces all parts subject to normal wear and tear. Customer cores may be sent in for work or exchanged for a core system from CPS stock. Returned cores must be complete units and include robot controller.

### The Yaskawa Robot Refurbishment includes:

- Robot Controller standard component replacement
  - Battery
  - 24 V and 5 V Power Supplies
  - Relays (x2)
- Robot standard component replacement
  - CDA filter
  - Battery
  - Bearing and Ball Screw lubrication
  - R, Theta and Z-axis belts replaced
  - Pneumatic Tubing as required
  - R Axis Motor and Reducer
  - Theta Axis Motor and Reducer
  - Z Axis Motor and Reducer
  - B Axis Motor and Reducer
  - Pressure Switches (x2)
- Belt tension calibration
- Servo pack Drive reset, test and parameter download
- Z-axis break check
- Robot Controller parameter and position download
- Vacuum system and switch verification tests
- Movement range verification for R, Theta and Z axes
- Cycle testing at 30% speed for 2 hours, followed by 100% test for >18 hours
- Position repeatability test at 100% speed (R, Theta and Z axes test for 2 cycles, and B axis for 100 cycles)



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PEP3510  
**Yaskawa Robot Refurbishment**

**Get More Information on  
System Performance Enhancements**

To find out how to improve the performance and productivity of your CPS supported systems, call your local CPS Sales and Service Office for complete ordering information, or visit [www.conceptpartsolutions.com](http://www.conceptpartsolutions.com).

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**System Prerequisites:**

None

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**Ordering Information:**

**Refurbished Yaskawa Robot**

**CPS-04-10039**

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Some Upgrades may require an audit of your System; Contact your local CPS Representative to verify the Upgrade Kit before ordering.