



ABB Asset Re-utilization Services

Productivity Improvements



For more than 15 years, ABB's robot reconditioning program has enabled hundreds of customers to save thousands of dollars by giving new life to their robotic automation investments.

Services Offered

ABB offers pre-owned equipment and a full line of services that give new life to all models of older equipment.

- ◆ **Inspect and Quote** - Customers looking to pinpoint specific repairs choose the Inspect and Quote option. ABB performs a complete incoming inspection and prepares an evaluation report with the recommended repairs. This process determines what needs to be fixed

or repaired and what hardware or software upgrades can improve the system's functionality. All inspection fees are applied toward any reconditioning performed.

- ◆ **Limited Reconditioning** - The entire system, including the controller electronics and interior, is thoroughly cleaned and inspected. Minor problems are repaired, and lubricants on all axes are tested and filled or replaced as necessary. All batteries and filters are replaced before the robot and controller are repainted. Standard upgrades are performed when applicable. A final runoff, also under load, ensures the system is repeating to its original specifications.

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◆ **Complete Reconditioning** - Robots that have seen heavy duty lives (foundry, etc.), and are approaching the end of their original lifetime, or robots with an unknown maintenance/operation history purchased through a third party are often given Complete Reconditioning services. The following services are performed:

- Complete inspection.
- Robot disassembled.
- Internal and external parts are cleaned, inspected and replaced if necessary.
- Wear items, damaged parts and consumables are replaced.
- Standard upgrades are performed when applicable.
- Robot is reassembled and repainted.
- Final robot runoff is performed.

◆ **Used Robots From Stock** - ABB carries an extensive stock of pre-owned robots in many vintages and models. ABB also offers “As Is” robots that function but have not been repaired or repeatability-tested and do not come with a warranty.

Other Services

◆ **De-Commissioning/Re-Installation Services** – ABB de-installation services focus on maintaining the integrity of equipment and reducing overall damage to the asset-such as assuring expensive cables stay intact and are not lost during a move. Similarly, ABB can provide all services needed for the successful re-installation and start-up of equipment.

- ◆ **Equipment Teardown for Spare Parts** – ABB can disassemble, identify, catalog, test and re-package component parts from non-operational robots for use as spare parts for robots still in operation. ABB provides our standard parts warranty on any re-packaged components.
- ◆ **Extended Warranty for Repaired and Reconditioned Equipment** – In addition to the standard warranty, ABB can provide extended warranties for the time length desired which provides a “known” fixed cost of maintenance.
- ◆ **Asset Management Services** – ABB offers many value added services to support a facility or company wide asset re-utilization program:
 - Asset cataloging, analysis and documentation.
 - Coordination of asset movement and inventory across multiple locations.
 - Total turn key project management.

Why ABB?

As a complete robotics solutions provider, ABB offers many advantages over other manufacturers. In addition to having the largest number of installed robots of any company in the world and the most advanced technology in its industry, ABB has the most complete portfolio of services. Only ABB can bring the following value added advantages:

- Unique and innovative new technologies designed specifically for the reconditioning business including stand-alone control systems designed to run other manufacturers’ robots and servo devices.
- A dedicated 20,000 square foot facility for reconditioning and repair in North America including test equipment and specialized, OEM tools.
- The most experienced rebuild staff in the industry.
- A large inventory of both used and already reconditioned equipment for quick response.
- As an original equipment manufacturer, full access to complete engineering resources for upgrading and improving existing assets.