

Remanufacturing and Workshop Repair

Extending equipment lifetime



As a global leader in robot Remanufacturing and Workshop Repair, ABB has remanufactured over 12 000 robots during the last 25 years. ABB always offers a wide selection of more than 400 used robots on stock.

Remanufacturing and Workshop Repair

ABB's Remanufacturing and Workshop Repair suite of cost efficient and productivity improving services include remanufactured robot solutions, skilled repair using Original Equipment Manufacturer (OEM) components, and IRC5 controller upgrades.

These services extend equipment lifetime and maximize return on investment, while reducing the maintenance cost and unlocking new functionalities and advanced services like ABB Ability™ Connected Services.

Benefits

- Extended asset lifetime
- Optimized productivity
- Maximized return on investment
- Reduced downtime
- Reduced risk of failure
- No extra parts or training needed
- Quick delivery and startup
- Global ABB service support
- Genuine OEM Certified Quality
- 12 month warranty
- Robot delivered with CE-IIB certificate (IRC5)
- Robot delivered with ATEX certificate (Paint robots)



ABB Remanufacturing and Workshop Repair offering

Remanufactured Robots:

- ABB offers a large selection of fully remanufactured used robots on stock. This enables customers to extend their robot fleet and develop a cost efficient automated process.

Remanufactured Customer Robot Property:

- By letting ABB remanufacture aged robots, customers get prolonged robot life time and reduced investment costs.

Remanufactured Arm Exchange:

- When ABB exchanges a mechanical arm with an identical remanufactured arm, the controller can be kept, with minimized recalibration and reprogramming, saving valuable production time.

Workshop Repair:

- In any of our many workshops, ABB can repair components such as wrists, motors, teach pendant units, and circuit boards, resulting in reduced maintenance cost.

IRC5 and IRC5P Controller Upgrade:

- By upgrading controllers during remanufacturing, customers can benefit from the latest hardware and software functionalities, unlocking advanced services like ABB Ability Connected Services.

Buy Back:

- Contact ABB to sell your old unused robot instead of scrapping it. ABB's Buy Back offer can also reduce the purchasing cost of a new ABB robot.

World-class manufacturing process

Remanufacturing and Workshop Repair follows ABB property specifications and dimensional data. All components come with OEM Certified Quality.

After initial inspection to ensure traceability, the robot or part is disassembled and a second inspection is performed on all internal parts according to a 152-point inspection checklist. Worn parts which do not pass inspection are recycled and replaced by genuine OEM parts. Each part is cleaned and reassembled.

All remanufactured or repaired robots or parts are tested according to stringent specifications, under nominal load for a minimum of 16 hours and are then painted prior to shipment.

Safety always a top priority

Since ABB only uses new components with OEM Certified Quality, the remanufactured equipment is inherently safe when used according to instructions.

In contrast, the use of counterfeit parts, unauthorized repair of brakes or emergency components, and lack of sufficient testing can lead to hazardous situations, resulting in equipment damage and even injuries.

Safety is a top priority at ABB with risks prevented by:

- Only new components with OEM Certified Quality
- Equipment testing according to manufacturer specifications



- Local Service Center
- Global Remanufacturing and Workshop Repair Center
- Local Remanufacturing and Workshop Repair Center
- Atomizer Remanufacturing and Workshop Repair Center

Sustainable solution

Used equipment is increasingly considered a new and reliable alternative for improved cost-efficiency and to maintain productivity. A remanufactured ABB robot is as good as a new robot, with identical quality, performance, support, and warranty.

Sustainability is achieved through:

- Reduced operating costs
- Lower investment costs
- Up to 30 percent in cost savings for a remanufactured robot and up to 60 percent for component repair
- Harmonization with existing robot fleet without extra spare parts or training

Environmental friendly

ABB's Remanufacturing and Workshop Repair solutions support a positive impact on the environment by saving material and energy from manufacturing and waste treatment. Some 60 percent of the raw material is reused, significantly reducing the scrap.

Positive impact on the environment is achieved via:

- Reduced waste
- Smaller carbon footprint
- Less raw material needed
- Less greenhouse gases

A Certified Center always close by

Through a global network of Certified Centers, ABB supplies Remanufacturing and Workshop Repair services to all regions with extensive experience, certified staff and strict processes which guarantee OEM Certified Quality. The ABB Remanufacturing and Workshop Repair program complies with ISO Certification 9001 and 14001.

At your service worldwide

ABB's global service presence is unrivaled. With over 300 000 robots sold around the world, ABB has a unique knowledgebase of industrial robot applications in many industries.

There are more than 100 ABB Robotics service locations in 53 countries. 1 600 dedicated specialists provide technical support, parts, remote troubleshooting, training, on-site repair and workshops for customers and their robots.

Robot Care Service Agreements

ABB's Robot Care service agreements ensure that unplanned stops are reduced to a minimum, and if they occur, ABB can deliver a fast response tailored to your needs. Within the selectable options of our service agreement configuration tool, our experts stand ready to help you choose the service solution that suits your needs.

In addition to our flexible service agreements, we offer standardized Robot Care service agreement packages that are based on extensive experience and an understanding of customer needs.

ABB Ability Connected Services for optimized performance

The digital platform ABB Ability Connected Services delivers actionable intelligence from connected ABB robots. This helps improve performance and reliability while lowering the cost of ownership and extending equipment lifetime.

ABB Ability Connected Services can be tailored via ABB's Robot Care service agreements to meet the unique needs of your plant. We invite you to talk to your local ABB representative for more information.

