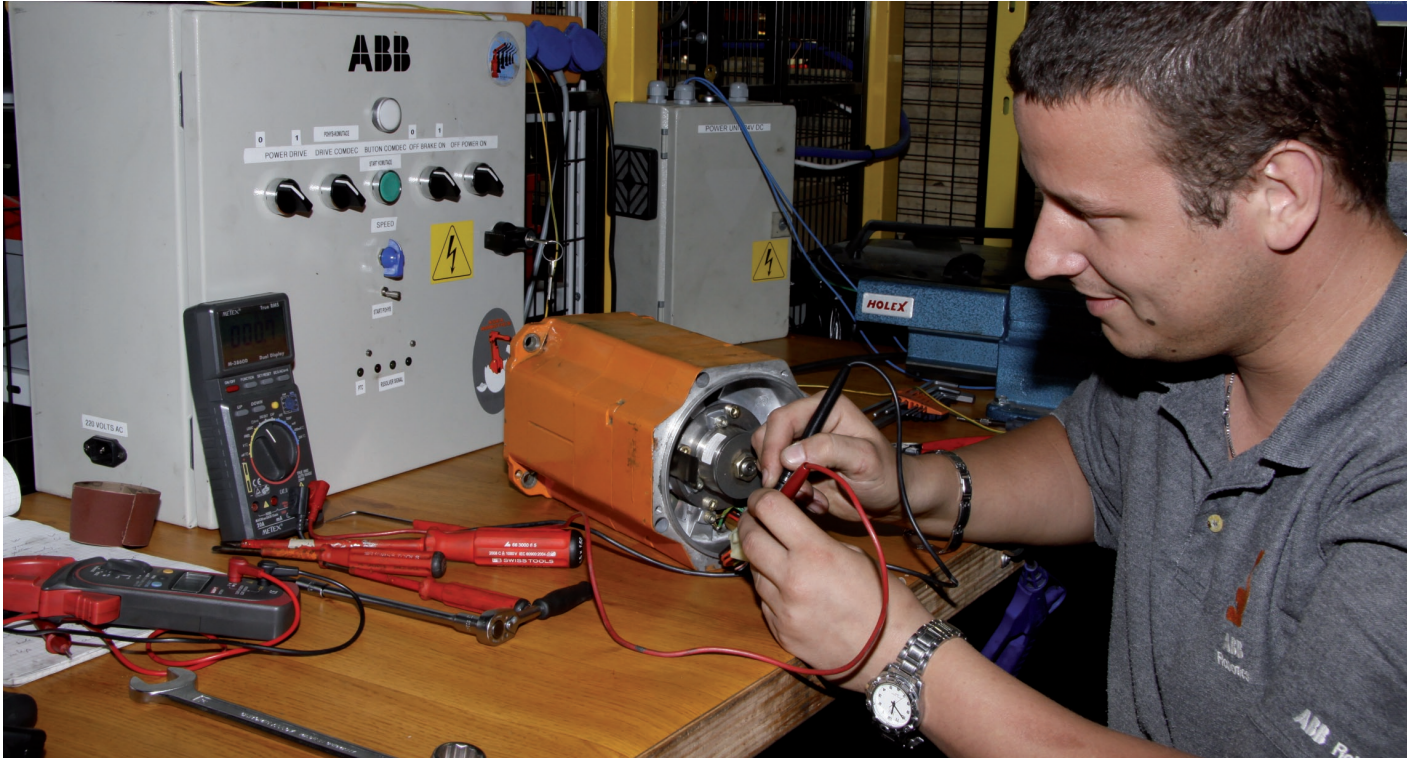


# ABB Certified Robot Repair Centers Part Repair Offer



Today, more than ever before, there is a greater need for manufacturing equipment to run more cost efficiently and with an extended lifecycle. Component repair is one way to help meet this objective. ABB understands this need and supports customers through a worldwide network of certified robot repair centers - covering the regions of Europe, America and Asia.

### Maximum flexibility

ABB component repair service can be purchased separately or as part of a comprehensive approach to asset repair service through a single source, ABB.

The service offers a competitive and lower cost alternative to new or exchange parts.

ABB offers a high-quality, full spectrum of parts and components services, allowing you the flexibility to select the solution that meets your plant and equipment needs best.

All repairs are warranted for 12 months from the date of shipment. A repair report describing the condition of the part, the components replaced and the tests performed is included with each repaired part.

### Why ABB:

As a complete system solutions provider, ABB offers many advantages other suppliers simply cannot provide. ABB certification means your repaired parts will perform as reliably after repair as on the first day there were installed. ABB provides the most complete portfolio of services. Only ABB can bring you the following value adding advantages.

- As an OEM, ABB has full access to complete engineering documentation, ensuring repairs and upgrades are made to the latest specification
- All repairs are performed by ABB certified engineers
- Only ABB genuine or approved components are used
- All repair jobs are tracked via our own traceability system
- All repairs are undertaken in ABB certified workshops

### Upgraded in accordance with the safety recommendation

Repair components are upgraded in accordance with the safety recommendations of the original manufacturers. Our quality control procedures are the same as those performed in the original manufacturing facilities.

We perform thorough diagnostic tests to assess the condition of the component and to determine if repair is possible without reducing the service life of the part.

### Fast and easy process

- Ship the part to your local ABB service office, with a description of the symptom or problem. This will help our engineers determine if the part is repairable
- If the part is repairable ABB will provide an estimate of the cost of repair
- A fixed fee for repair diagnostics will be invoiced if the repair proposal is rejected. In such case, a disassembled part will be returned in its disassembled state or will be disposed of ethically - after receiving your authorization. If possible we will to our best to provide you with another solution

#### Offer

	New part	Exchange part	Repair part
<b>Pricing</b>	Standard price	Standard price	Based on repair estimate
<b>Lead time</b>	On stock	On stock	+/- 14 days
<b>Warranty</b>	12 months	12 months	12 months on repair component

- Motors for robot types from S4C, S4C+
- Wrist for 1400, 4400, 6400, 6600
- Teach Pendant for S4C, S4C + and IRC 5

### ABB cannot guarantee a successful outcome if:

- there is a missing component, serious physical damage (from water, fire or smoke), or a risk that the repair work will create an additional failure
- previous attempts at repair by non-certified ABB engineers has resulted in other unidentified problems
- safety would be jeopardized by the repair
- the cause of fault is found and corrected but there is a risk that other latent failures could materialize within weeks or months

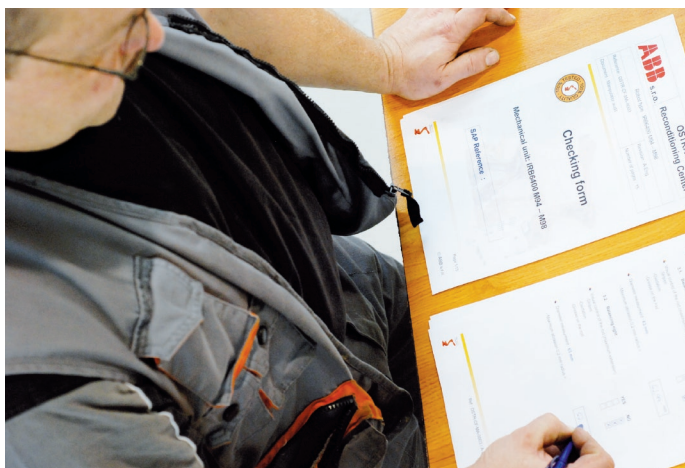


### Repair service operations covering all continents

- Europe
- America
- Asia – coming soon

### Facts about ABB Robotics Service

- 1500 employees
- Present in 48 countries in more than 100 locations



### Our vision of service

ABB Robotics Service wants to be the reason why customers continue to buy from ABB. We will provide world-class services locally, wherever there is an installed base of ABB robots



The ABB Robotics parts repair team in Europe