



SIEMENS

Ingenuity for life



Spare Part and
Repair Services

Production first, downtimes later

[siemens.com/motioncontrolservices](https://www.siemens.com/motioncontrolservices)

Optimal plant availability – in every case



Safeguard your productivity

Maximum plant availability and productivity are crucially important for machine tool operators. Machine failures and downtimes can never be completely avoided, but you can reduce downtimes to a minimum and increase predictability.

Function checks and general overhauls extend the service life of your machine tools and, if problems arise, the fast availability of our spare parts and repair services ensures the immediate and reliable restoration of your productivity.

Long-term security

Along with spare parts and repair services, upgrade services play an important role in ensuring plant availability and productivity over the long term. Upgrade services keep your machines up-to-date and allow them to be gradually digitalized without having to completely replace them. Our services for machine tool operators and manufacturers include components ranging from SINUMERIK controllers and SINAMICS and SIMODRIVE converters to motors and the entire SIMOTICS series.



Delivery of Spare Parts

Machine failures can cause substantial financial losses. With our worldwide network and optimal logistics chains, we ensure that you receive the necessary spare parts quickly and reliably.

Product Upgrade Service

The service life of electronic components is generally shorter than the projected machine/plant operating times. Our product upgrade service extends machine and plant runtime.

Asset Optimization Services

Thanks to the fast delivery of spare parts from Siemens, machine tool operators and manufacturers can reduce their spare parts inventory. An analysis determines which parts you should keep on hand and which would be better obtained directly from Siemens.



Standard Repair

Standard repair with our worldwide repair options is the best choice when you have specific reasons for not replacing defective components with new ones.

Express Repair

In particularly urgent cases, we offer you the option of fast repair within one to two working days for many products. We can, of course, come to you and perform the required repairs on-site if necessary.

Long Life Repair

For specific products, we offer an extended service option of up to 25 years. This repairs are not covered by the warranty against defects and includes a report on the repair or findings.

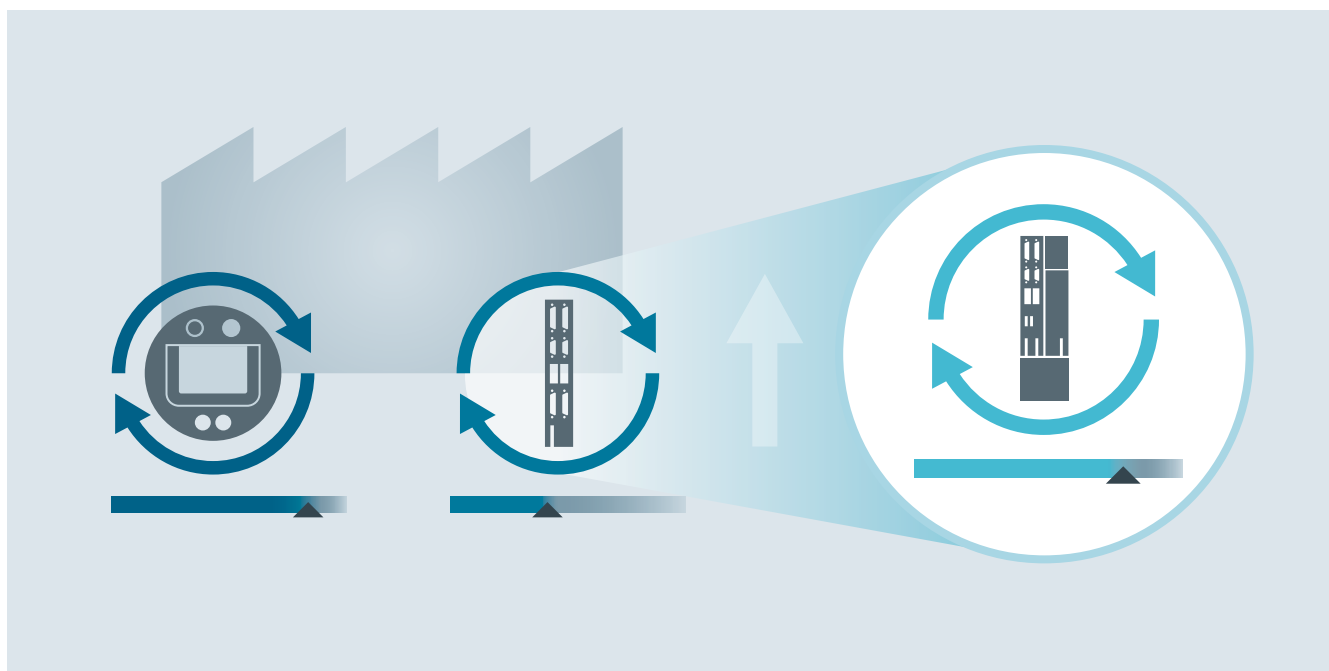
Function Check

The components are checked for reliable functioning. If a fault is detected, we immediately repair it.

General Overhaul

To enable your machines and plants to achieve longer availability, we offer a general overhaul of electronic components and motors at favorable conditions. Your machines and plants are restored to like-new condition.

Product Upgrade Service



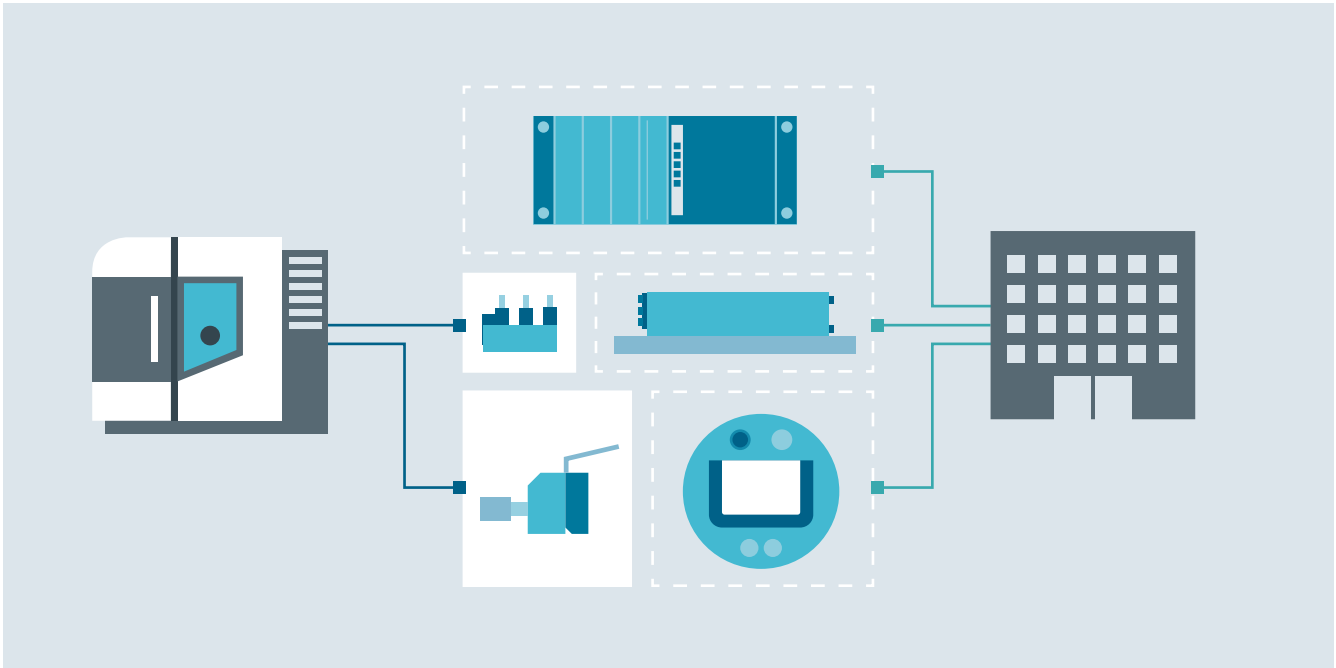
The productivity of an industrial plant is entirely dependent on component availability. The service life of mechanical parts is generally much longer than that of electronic components. This is why it's essential that – in addition to mechanical maintenance – plant operators consider wear on their electronic components and loss of performance in order to ensure the long-term productivity of their plant.

In the course of their lifecycle, electronic components such as SINAMICS and SIMODRIVE converters as well as SINUMERIK controllers are normally redesigned several times. Thanks to the product upgrade service, you always receive the latest technology. A planned product upgrade from old to new helps to prevent unplanned machine downtimes and supports safer and longer machine/plant availability.

Benefits

- Price advantage compared to purchasing new components
- Extended availability of your machines and plants
- Prevention of downtimes
- Latest technology from the original manufacturer

Asset Optimization Services



A systematically optimized supply of spare parts plays a crucial role in maintaining a balance between high plant availability and productivity on the one hand, and minimal capital lockup in spare parts inventory on the other. Thanks to fast delivery of spare parts from Siemens, you are able to reduce your spare parts inventories.

To achieve this, Siemens offers an analysis that precisely indicates which parts must be available in your inventory for a specific combination of machines and which would be better obtained directly from Siemens. Our asset optimization services take a structured and systematic approach to the comprehensive optimization of spare parts supply. The individual phases are designed as modules in our services portfolio so that they can be sourced individually as needed. You can use our asset optimization services as a one-time service or as a contractually agreed-upon service.

Benefits

- Inventory optimization
- Reduced costs
- Minimization of downtimes caused by faults

Long Life Repair



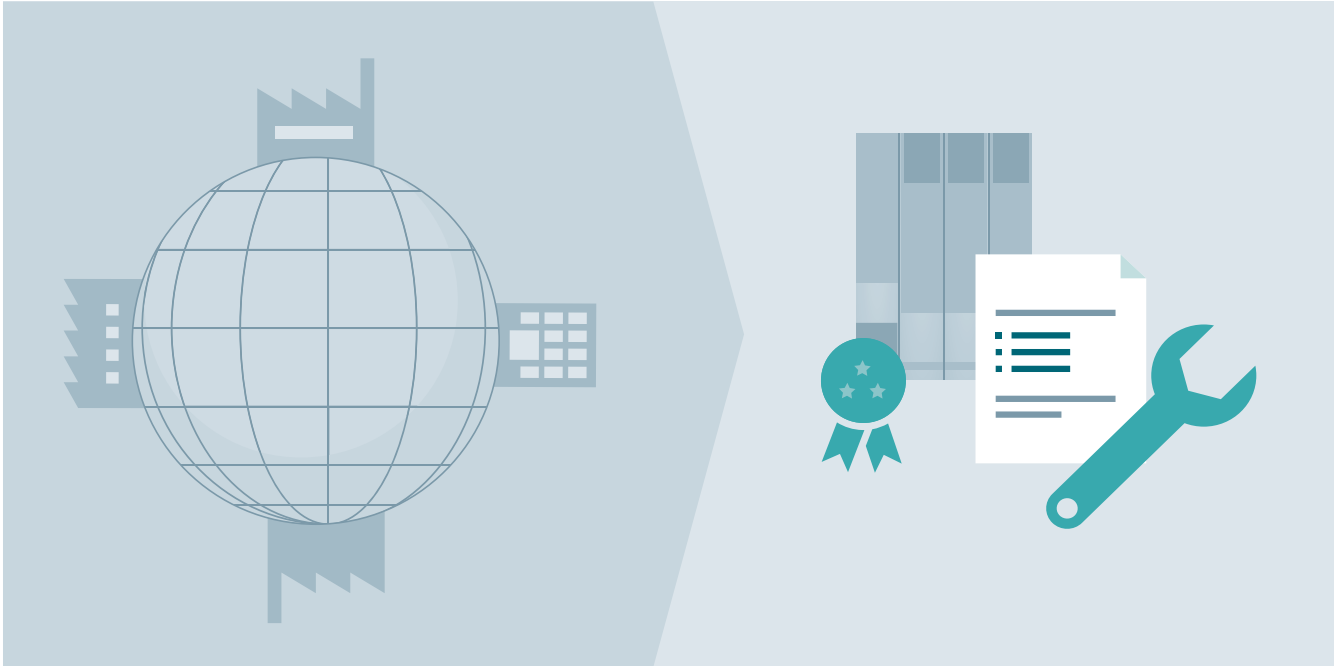
The standard term of availability for system components is ten years. This is often insufficient, since a plant needs to continue running reliably beyond this period. The long life repair service is available for selected motors and electronic components such as SIMODRIVE modules, SINAMICS S120 modules, and SINUMERIK NCU. Together with spare part and repair services, Siemens offers a complete solution that includes short delivery times, long-term availability of original spare parts, cost-efficient repairs, and service coverage for up to 25 years.

The goal is to increase the productivity of your machine as well as to operate a sustainable and cost-effective business. In addition to this, you benefit by avoiding component failure due to wear, constant service and support. Furthermore, you have the option of bridging the time to retrofitting or new procurement.

Benefits

- Longer plant availability
- Improved predictability of retrofit or modernization
- Complete solution from a single source

Standard Repair



Downtimes cause problems in operation as well as unnecessary costs. We can help you keep both to a minimum – and we offer you worldwide repair facilities. The benefit for you is that minor defects can be rectified before they result in greater damage. Repair is a favorable option, especially when you have specific reasons for not replacing a defective device or part with a new one.

Benefits

- Exclusive use of certified original parts
- Additional information supplied by reports on repair and findings
- Highest standards of quality
- Use of the comprehensive test concept of series production

Express Repair

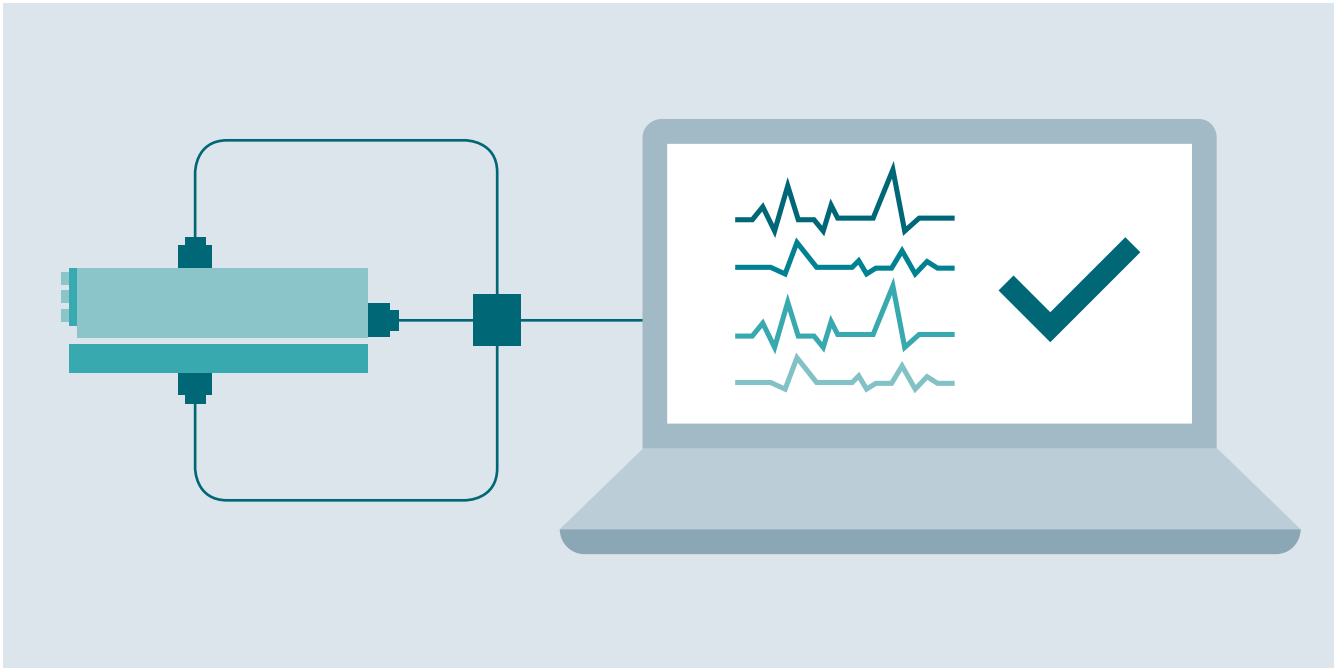


In especially urgent cases, we offer you the option of fast repair for many products within one or two working days. In many countries, spare parts can also be delivered outside normal working hours in an emergency situation. For a turnaround repair, we organize on your behalf pickup of the device to be repaired. We can, of course, come to you and perform the required repairs on-site if necessary.

Benefits

- Short downtimes for machines and plants
- Partners worldwide in your vicinity
- Exclusive use of certified original parts

Function Check



To guarantee that the spare parts in your stock are also functioning properly, we offer a function check. The first step involves cleaning the spare part. Then all relevant hardware and software/firmware enhancements from development, production, suppliers, service, and quality management are implemented.

Using the comprehensive test concept of series production, all the functions of software, firmware, ASICs, and complex and less complex function blocks are then checked. If a fault is detected during the function check, troubleshooting and repair are performed immediately at the repair price.

Benefits

- Spare part is checked and ready for the next deployment
- Spare part already contains all known enhancements
- The spare parts stock is kept up-to-date at a reasonable cost

General Overhaul



The service life of electronic components and mechanical parts is generally shorter than the projected machine/plant operating times. To increase the availability of machines and plants, we offer a general overhaul (preventive maintenance) for electronic components and motors.

During the planned general overhaul, wear parts and aging parts are replaced in accordance with their stated service life in order to reduce unplanned downtimes. In the case of motors, we also replace bearings and encoders. If a fault is detected during a general overhaul, troubleshooting and repair are performed immediately.

Benefits

- Preventive replacement of wear parts and aging parts in accordance with their stated service life
- Fewer unplanned plant downtimes and enhanced production reliability
- Extended availability of your machines and plants
- 12-month warranty against defects, covering components subjected to a general overhaul

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