



SIEMENS

Ingenuity for life



Motion Control Services

We digitalize your machine tools and optimize
your production

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

Benefiting from digitalization

Greater effectiveness and economic efficiency for your production

How you'll benefit from Motion Control Services

- Improved productivity
- Increased machine availability
- Cost savings
- Improved sustainability of your production processes
- Optimization of asset and resource management

Digitalization is one of the major challenges facing industrial production today – but it offers many advantages at the same time. Machine tool manufacturers and users also benefit from increased availability, quality, and efficiency. We're there as a skilled partner to assist our customers on their path to digitalization. Our digital services create new opportunities to achieve lasting improvements in productivity. Connecting machines and installing the right software creates transparency for your data and processes.

A comprehensive service portfolio offering powerful solutions

We offer a broad range of services across the entire value chain: Digital Services from Motion Control Services help machine users identify untapped potentials for optimization and improve production with integrated IT processes. Our experts are there to provide advice and guidance: for demand analyses and the resulting concepts for solution architecture and specifications and actual implementation. Traditional services are an important foundation for continuous and lasting improvement to your manufacturing processes.

Benefiting from optimized processes

Our traditional services for continuous improvement



Do you want your machines optimally modernized?

Retrofitting for machine tools

If the mechanical components in a machine tool are still in good shape, but the control or drive technology is no longer the state-of-the-art, CNC retrofitting will often be much more economical than investing in a new machine. Our products and services include updating individual components to the latest technology. Even simply retrofitting at the control end can significantly reduce cycle time and improve quality.

Do you suffer from outages and malfunctions?

Component upgrade service: OLD to NEW

Motion Control Services offers plant operators a special service on favorable terms to ensure longer availability of electronic components. Upgrading components from OLD to NEW in time can prevent unscheduled machine downtime. The special benefits of this solution are that Siemens components are not only subject to the most stringent quality controls, they also undergo continuous improvement, just like the processes used in making them. That means plant operators will enjoy quality that's been proven in tough industrial conditions – quality that's available only from the original product manufacturer.

Do you suffer performance losses in machines that are heavily used?

Productivity Improvement

This service is aimed at enhancing older machine tools that are no longer under warranty using Sinumerik 840D. Your productivity can be improved by up to 15 percent and can also be precisely predicted. Or do you have a capacity problem in manufacturing, but it would take too long to have a new machine delivered? Productivity Improvement can reduce cycle time and removes bottlenecks in the manufacturing process.

Would you like to count on fast replacements when serious problems arise?

Spare part and repair services

Our comprehensive service is available worldwide in 150 locations in more than 70 regions. Offering end-to-end spare part strategies to deal with outages – or preventively, to improve your spare part management. The service includes delivery, replacement or repair, product upgrades, functional testing, general overhauls - all with minimum inventory requirements. The benefits to you are security of investment and maximum quality and safety standards, direct from the manufacturer.

Do you want to hedge your risks for the long term?

Service contracts

Short response times and the fastest possible fault repair by qualified service specialists: service contracts from Motion Control Services guarantee your availability. Our modular services are structured to meet your specific requirements. Service contracts are available for both machine manufacturer and machine users.

Identifying and optimally using of all potentials

Our digital services for a connected world of machines



Discovering potentials

As part of our professional consulting, we work with you to determine your goals and identify the individual opportunities that digitalization will offer. The focus is on optimization of your production. The result is a concept tailored to suit your needs. We also perform a technical review of the plant and the underlying system architecture to determine potentials for digitalization. On this basis we identify the right modules of the digitalization software.

Gaining transparency and certainty

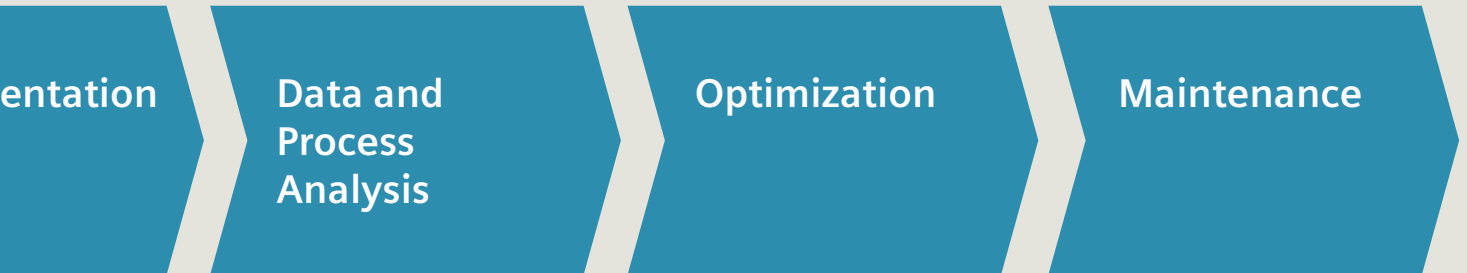
To enable you to benefit from a connected world of machines, you need a comprehensive data inventory and assessment of your hardware. That's exactly what Motion Control Services does. We give you concrete recommendations to ensure that your machines are optimally connected to the IT system in your manufacturing facility. This provides transparency about how well suited your systems are for digitalization, and you gain confidence in your machine fleet.

Creating the preconditions

By implementing the recommendations from the digitalization check, we update your machine tools to the state of the art and get them ready for digitalization. If necessary, we can make your machine fleet completely digitalization-ready using software updates, hardware upgrades, or retrofitting.

Networking ma

We start the process with your manufacturing consultation with you implementing the defined concept. The necessary modules from the Cloud Management Software are installed, appropriate and put into operation. Machines are connected to higher-level IT systems in the next stage. Connecting machines is accessible at any time in MindSphere. This forms the basis for... As a result, your machine becomes even more profitable, and quality required, a training provided to complete



entation

Data and
Process
Analysis

Optimization

Maintenance

Deriving optimization activities

Discover your potentials for optimization and improve your OEE (overall equipment effectiveness). If required, we'll perform the entire data analysis for you, or show you how to profitably incorporate the information from the analysis into your maintenance process. Based on the analysis, we'll advise you on actions you can take to extend machine service life, save costs, and improve quality.

Ensuring availability of your IT system

We take care of system maintenance for you to ensure a high level of availability. This includes database management and software updates, for example. With the appropriate contract in place, we monitor the IT installation around the clock and make sure you have a stable system you can rely on.

Machine tools

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Improving manufacturing processes

We offer the right solutions to enable you to make the most of the potentials identified for the optimization of your machine fleet – and turn them into specific benefits for your production system. The main elements here are our traditional services like spare part and repair services, service contracts, modernization activities like upgrades, retrofitting, and productivity improvement.

Motion Control Services: services designed with you in mind

We are there to support you, our customers, throughout the entire lifecycle of your production systems. Whether it's for drives, motors, or numerical controls, for machine manufacturers, dealers, or machine user, or for product development, production operation, or optimizations: We're where our customers are, all over the world. Our services put our customers in the position to improve transparency, use all kinds of resources and machines more efficiently, more productively, and more flexibly, and ensure availability. We're there for our customers as a skilled partner when it comes to developing new business models – to make the most of the vast opportunities offered by digitalization and secure a lasting competitive advantage. And we're still on hand to provide traditional services like repairs and spare parts for your maintenance needs, quickly and reliably.

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