



SIEMENS
Ingenuity for life

Motion Control Services

SINUMERIK Optimization Check

Optimize the machine parameterization of your SINUMERIK with expert knowledge

No one likes to lose out on a competitive edge. And no doubt you're perfectly familiar with the ins and outs of your SINUMERIK. But there's a good reason we recommend you try our SINUMERIK Optimization Check: It allows you to benefit from the comprehensive expertise of our service experts, and it can make the difference between "parameterized" and "optimized." After all, we want you to work with Siemens controllers as successfully as possible and get as much out of your machines as you possibly can. Your controller can deliver, and we show you how.

Attractive benefits



In 80 percent of all cases, there is potential for optimizing the drive parameters.

The many years of experience and the expertise of Siemens Mechatronic Support confirm that in four out of five cases, the drive parameters can be improved – for shorter cycle times, longer machine running times, and higher surface quality.



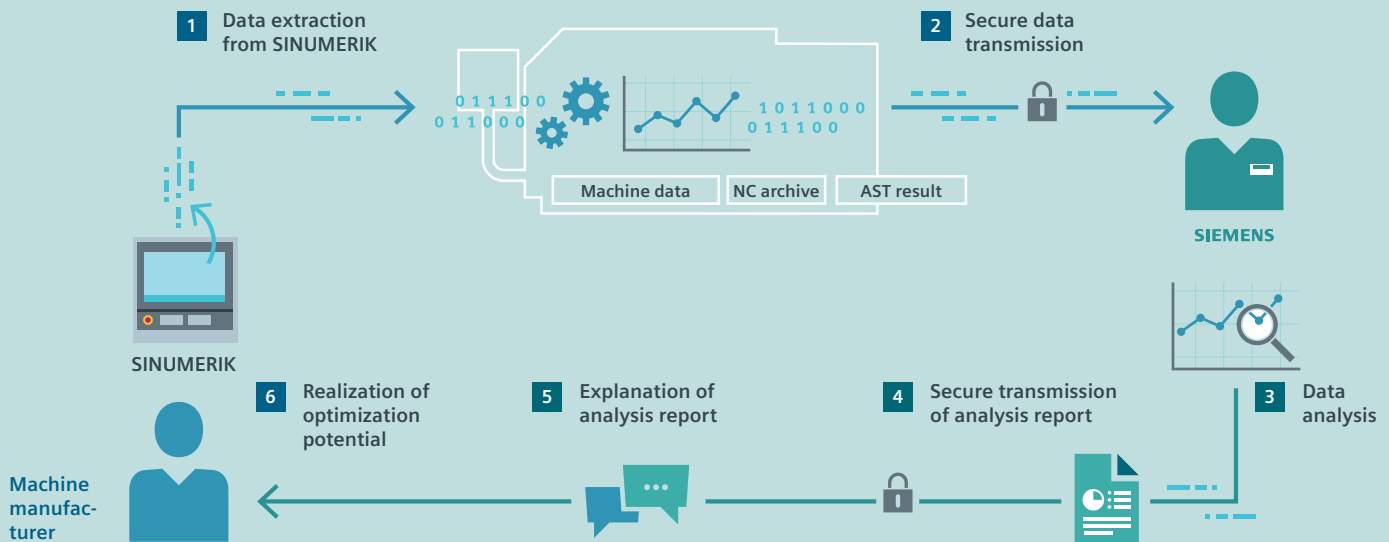
Productivity can increased by 16 percent.

Be as productive as your machines allow. Depending on the product and machine, you can achieve significant growth in productivity with the aid of optimized drive parameters – an opportunity you can't afford to miss.



Standardized, mechanical analysis can identify numerous quality problems.

You see that there's a problem, but what exactly is behind it? Ask our experts. Thanks to decades of experience and the latest tools, they'll find the cause – individually, for each combination of Siemens controller and machine.



SINUMERIK Optimization Check

Over 50 starting points for improving your machine tool

Thanks to an extensive analysis of the NC archive and one Auto Servo Tuning (AST) measurement per axis, the SINUMERIK Optimization Check responds to our customers' requirements for higher productivity and workpiece quality. The service is offered remotely by Siemens Mechatronic Support in Germany. Siemens experts perform measurements and evaluate the data acquired.

Based on the data analysis, our experts draw detailed conclusions regarding performance quality, examining over 50 test cases. At the same time, they also reveal ways and means for implementing the optimization potential. The results are recorded in an analysis report and explained to you.

Use our website form, send us first machine information at www.siemens.com/motioncontrolservices and our mechatronics experts will contact you for a free pre-evaluation of your machine tool.

SINUMERIK Optimization Check in practice: Starrag GmbH – Heckert product series, Germany

The Starrag Group is a global technology leader in manufacturing high-precision machine tools for milling, turning, drilling, and grinding workpieces of metallic, composite, and ceramic materials. With its Heckert machining centers, Starrag was one of the first customers to take advantage of the SINUMERIK Optimization Check for machine datasets with optimal parameterization. The goal was to design and commission high-precision and highly productive machines using a standardized procedure.

The solution:

Thanks to an extensive analysis of the NC archive and Auto Servo Tuning (AST) measurements, Siemens mechatronics experts were able to identify optimization potential and prepare a report with recommendations for optimizing machine and drive parameterization based on core knowledge of SINUMERIK controllers and SINAMICS drives. As a result, the Heckert machines are now more precise, their operation more stable, and recommendations for control and mechanical engineering are also going to be incorporated in the development of new machine models.

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