



Retrofit

An entirely new life for your machine—
at a fraction of the cost

usa.siemens.com/cnc-retrofit

SINUMERIK retrofit

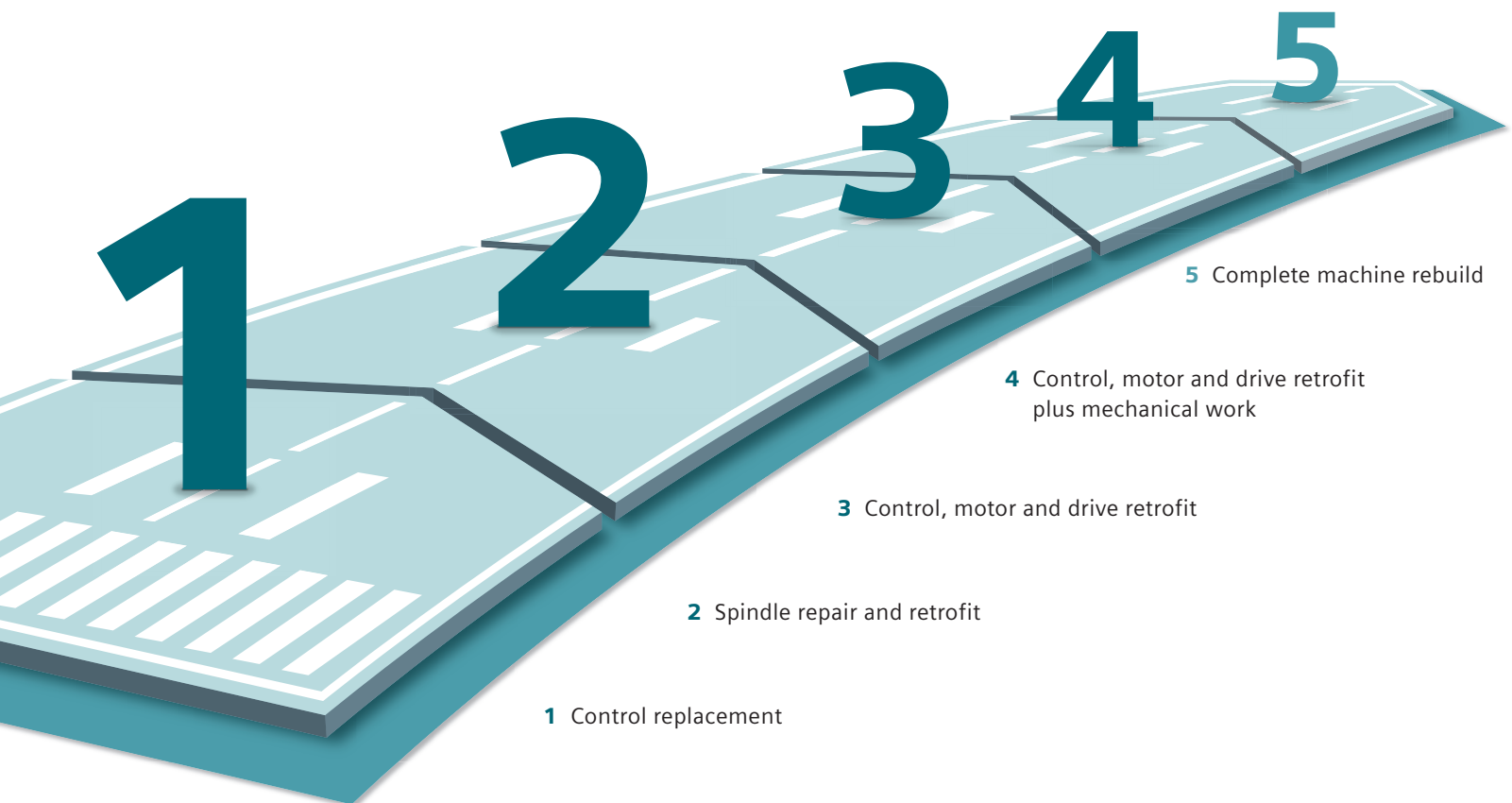
New levels of efficiency and productivity

Achieve new levels of efficiency and productivity for less cost.

Keeping pace with the constant demand to modernize, improve productivity, reduce costs and increase quality is a challenge we all have to deal with everyday. Obviously, one solution is to purchase all-new, state-of-the-art CNC machines that best fit your manufacturing needs. This may seem to be an ideal solution until managers get a look at their final, approved capital budget.

Stretching less than enough capital money to gain maximum value at minimum cost is imperative. Retrofitting new "state-of-the-art" equipment on existing machines presents an attractive, viable alternative to maximize value and stretch the overall budget.

Siemens can help you decide what you need. We'll do a machine evaluation to determine the extent of the retrofit package that meets your needs and stays within your budget. A control retrofit package can help you keep pace with future demands at substantially less cost than the purchase of a new machine.



Retrofitting an aging machine with a new CNC can improve its productivity, cut soaring maintenance costs and greatly extend the machine's lifecycle. You can depend on Siemens to provide the level of retrofit assistance you need. We're ready to support you every step of the way — from machine evaluation and sourcing, to machine alignments, certification, relocation, start-up and ongoing maintenance.



Which SINUMERIK is right for you?

SINUMERIK 808D

This user-friendly, entry-level CNC is the ideal choice for basic milling and turning machines. As a result of its panel-based design, the SINUMERIK 808D / 808D Advanced is small enough for compact machine tools; rugged enough for harsh environmental conditions; and thanks to the graphical user interface, it's extremely intuitive to operate.

SINUMERIK 828D

As a breakthrough CNC, the SINUMERIK 828D offers machine-enhancing performance capabilities that are normally reserved for the high-end control segment. Tailored precisely for demanding milling, turning and grinding applications, it is available with a horizontal and vertical control panel layout; comes with a choice of two CNC performance variations; and is small enough to be easily integrated into even the most compact machine designs.

While it is capable of full graphical, high-level command, SINUMERIK 828D also supports ISO programming, which is customary in the United States. This innovative, panel-based control is suitable for single-part, small-batch and large-scale serial production, as well as machine tool retrofit.

SINUMERIK 840D sl

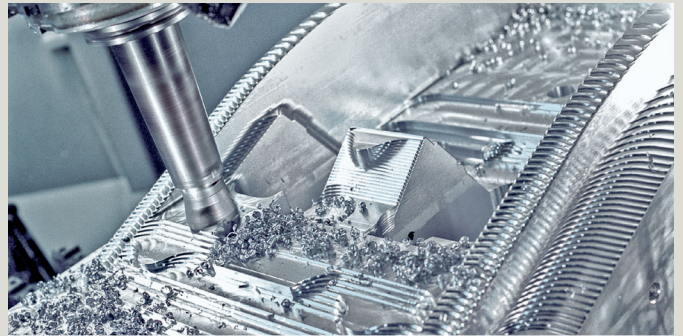
This universal and flexible CNC system is a distributed, scalable, open and inter-connecting system that offers a wide range of specialized functions for milling, turning, grinding, laser, drilling, waterjet, multi-tasking and handling technologies. It features our innovative SINAMICS S120 drive platform, which means up to 93 axes in 30 machining channels can be controlled in the Numerical Control Unit (NCU) link.

The SINUMERIK 840D sl offers users innovative features that increase productivity on the manufacturing floor—especially in the challenging segments of high-speed and five-axis aerospace, automotive, power generation and medical part manufacturing.





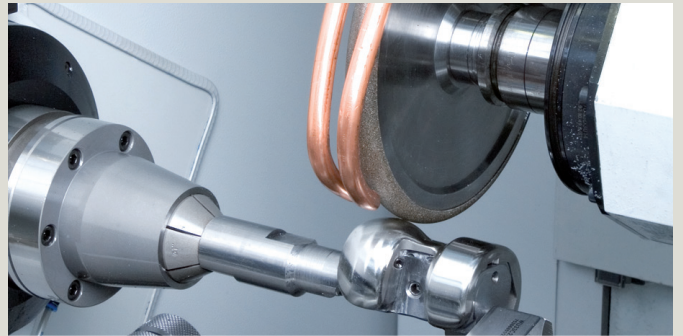
Turning



Milling



Gear machining



Grinding

SINUMERIK CNC—ideal for every machining technology



Machining composites



Handling and CNC machining using robots



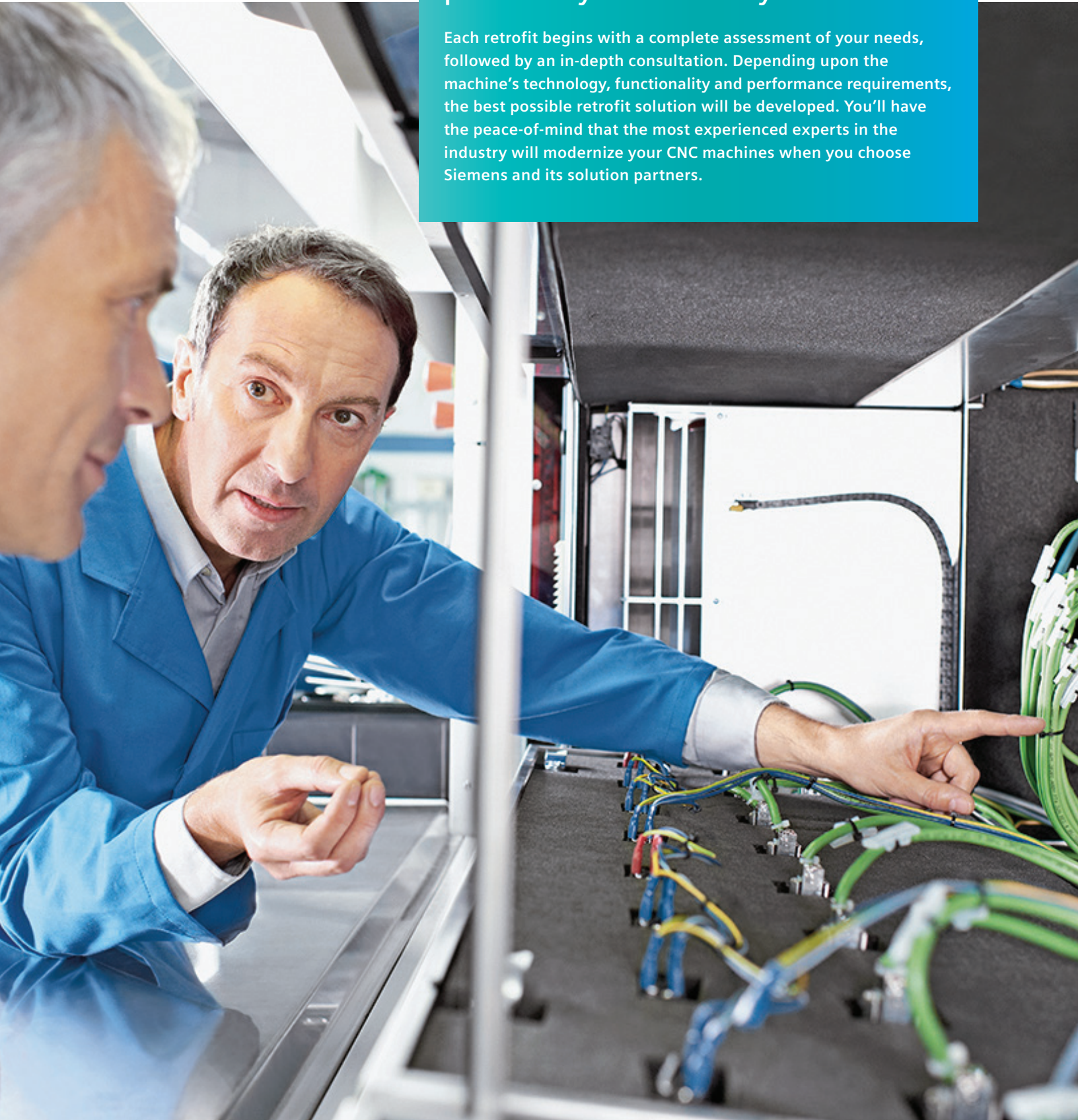
Nibbling, waterjet cutting, laser and plasma machining



Multi-tasking

Modernization means new levels of productivity and efficiency

Each retrofit begins with a complete assessment of your needs, followed by an in-depth consultation. Depending upon the machine's technology, functionality and performance requirements, the best possible retrofit solution will be developed. You'll have the peace-of-mind that the most experienced experts in the industry will modernize your CNC machines when you choose Siemens and its solution partners.





Customized retrofits for an even better CNC machine

Why modernize with Siemens?

- Professional installation by a certified Siemens machine tool retrofit solution partner
- Improved availability with corresponding increases in productivity
- Increased energy efficiency of the machine and your shopfloor
- Easier operation and programming
- Faster machining cycles for complex parts
- Increased safety for your people and machines
- Reduced downtimes and mean-time-to-repair (MTTR)
- Reliable and secure data management
- Greater data storage capacity
- Guaranteed spare parts from a single-source supplier



Before retrofit



After completion of the
SINUMERIK 828D retrofit

Everything about SINUMERIK CNC can be found on the web

usa.siemens.com/cnc

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