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SUPERIOR CNC SIMULATION AND SERVICE

Take high-accuracy digital twins to the next level with Vericut.

Capture your CNC machine's DNA, and replicate it flawlessly in the digital space.

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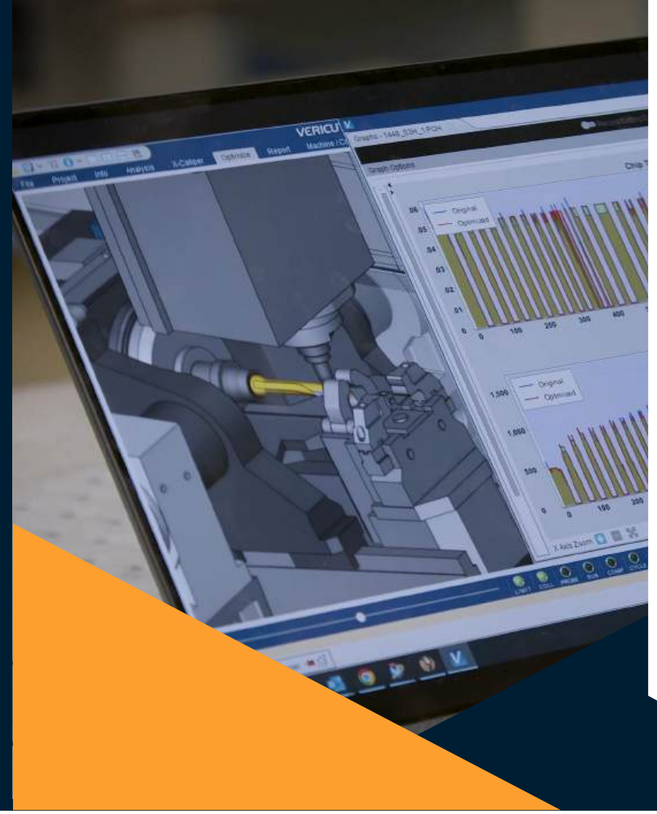
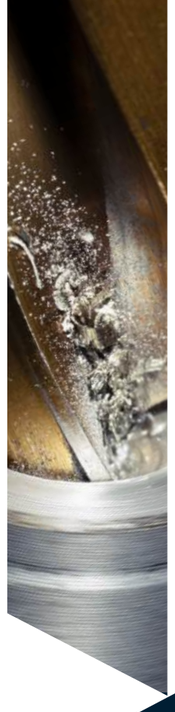
Bolstering Vericut CNC Machine Connect with Scytec's DataXchange software.

By combining Vericut's CNC Machine Connect module with Scytec's DataXchange software, you're now able to connect with, and use data, directly from the machines on your shop floor.

Machining benefits:

- Most accurate digital twin currently possible
- Expedite your manufacturing process with comprehensive precheck, monitoring and postcheck functionality
- Mitigate unforeseen problems
- Make more informed decisions
- Machine with confidence





STEP 1:

Create confidence with Precheck

Ensure you produce the intended result by quickly and easily finding and resolving differences between your machine's values, and the simulation's values.

Available Bundles

Commercial Cloud	GovCloud	On Premise
PRODUCT Precheck Cloud	PRODUCT Precheck GovCloud	PRODUCT Precheck On Premise

Use CNC Machine Connect and run a precheck before running the first part on your machine. With this precheck, you can examine the machine's setup to make sure your machining environment matches what Vericut is simulating.

This includes essential parameters and setup details, like the main NC program, subprograms, current axis positions, tooling, and work offsets.

Before you hit Go, any major differences will be brought to your attention for you to investigate.

Usefully, you can also use the update feature in CNC Machine Connect to populate the software with fresh machine values. By rerunning the simulation here, you can double-check there aren't problems or unexpected errors arising from your machine setup.

STEP 2:

Oversee your progress with CNC Machine Monitoring

Connect with Scytec's DataXchange to view all monitored CNC machines accessible to Vericut. This includes milling and turning centers with FANUC, Siemens, OKUMA and Heidenhain controls.

Once you're happy, and everything matches, start the cycle on your machine.

Your operators can live-stream machine movement and data into Vericut straight from a running machine.

Use this time to contrast live cycle times to Vericut's predictions.

STEP 3:

Review and improve with Postcheck

Use post-machining insights to compare how the part ran on the simulation compared to the real thing.

Investigate potential issues that may have resulted in parts that are out of specification, or any errors that led to overrides and emergency stops.

Review changes to the NC program subroutines, feed rates and spindle speeds.