VERICUT®

Corretto la prima volta. Ogni volta.

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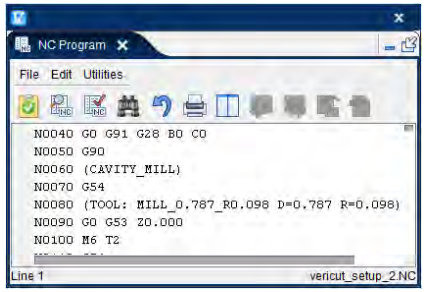
Il processo VERICUT è semplice

Step 1. Invia i dati a VERICUT tramite l'interfaccia CAM

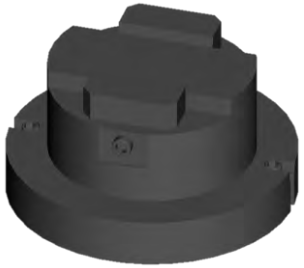
Programma NC



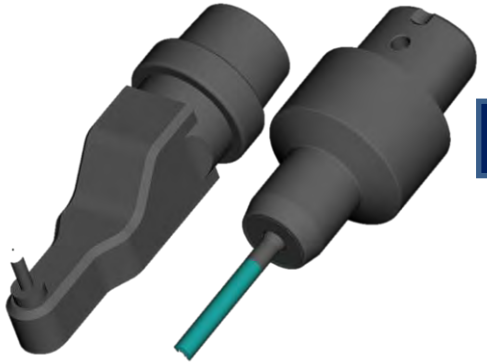
Modello finito

Modello grezzo

Modello attrezzatura



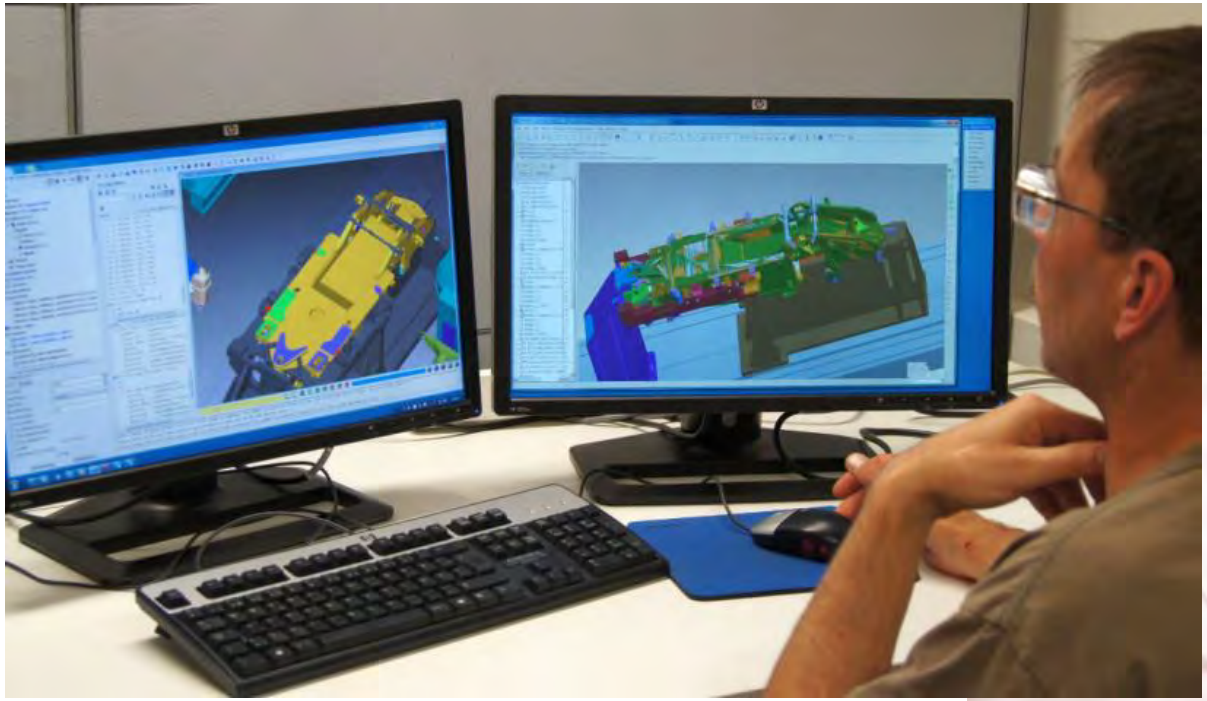
Utensili



Il processo VERICUT è semplice

Step 1. Invia i dati a VERICUT tramite l'interfaccia CAM

Step 2. Avvia VERICUT

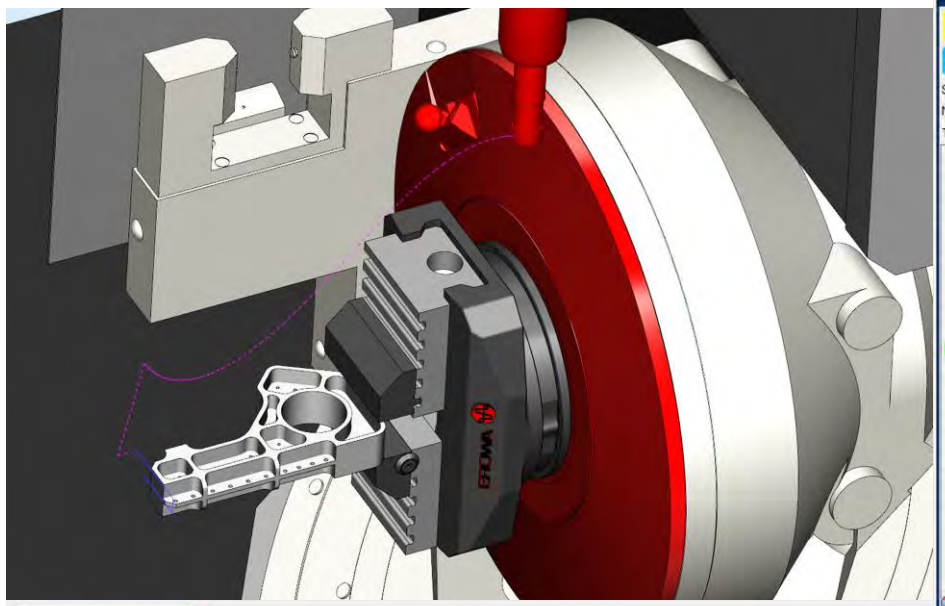


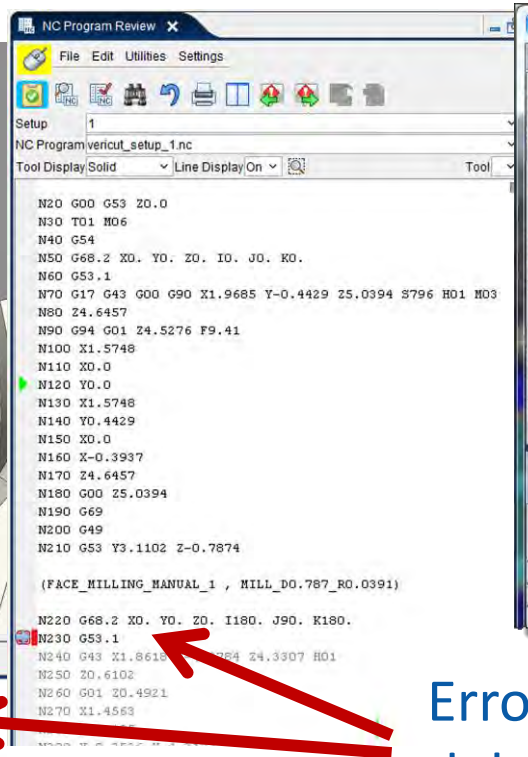
Il processo VERICUT è semplice

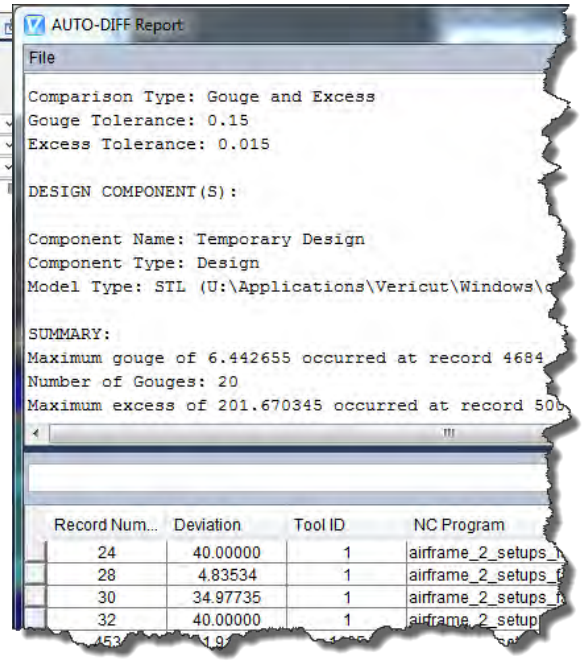
Step 1. Invia i dati a VERICUT tramite l'interfaccia CAM

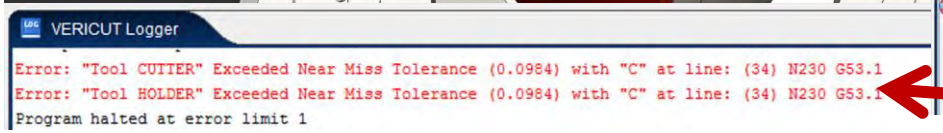
Step 2. Avvia VERICUT

Step 3. Esamina i risultati

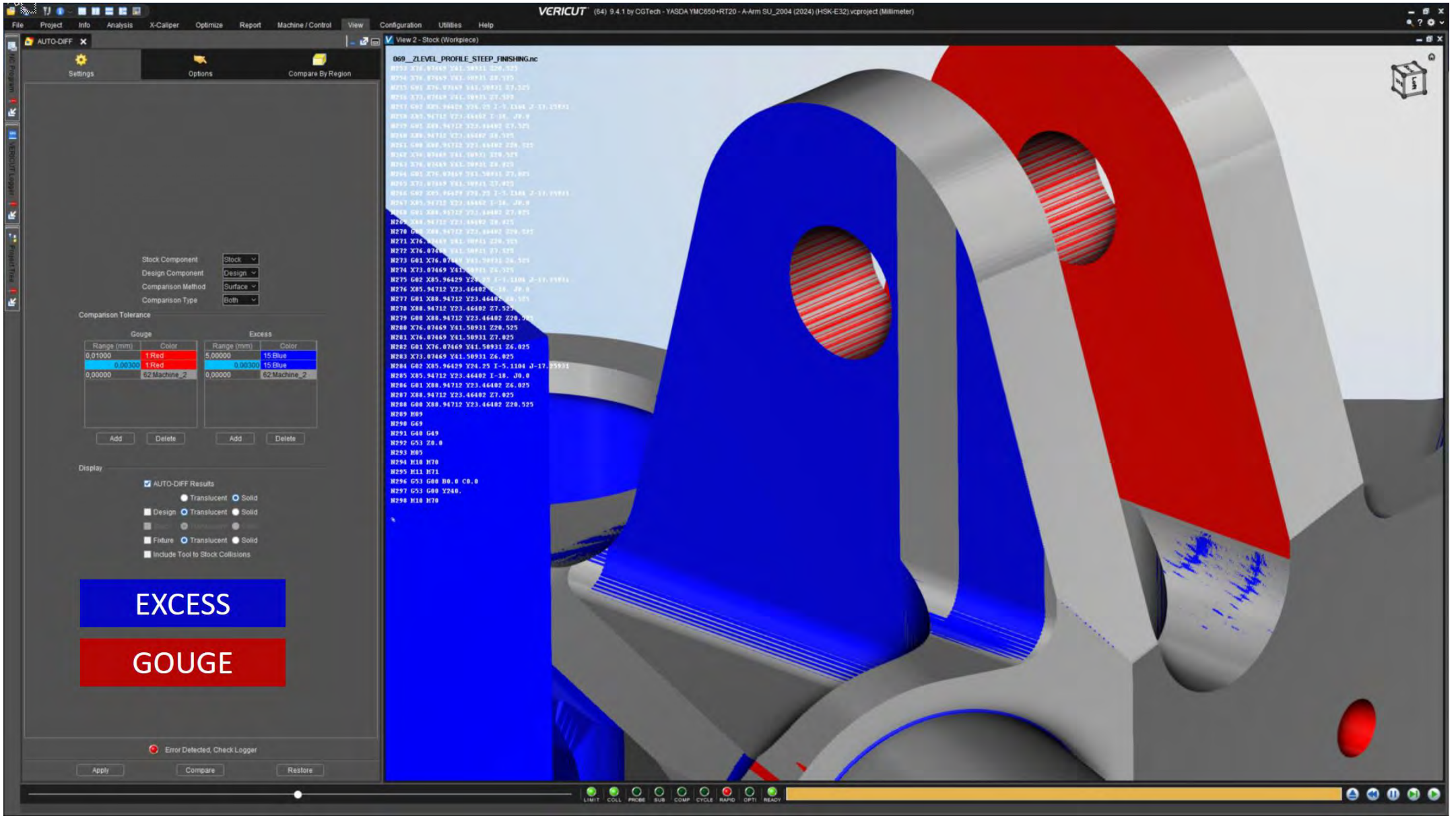


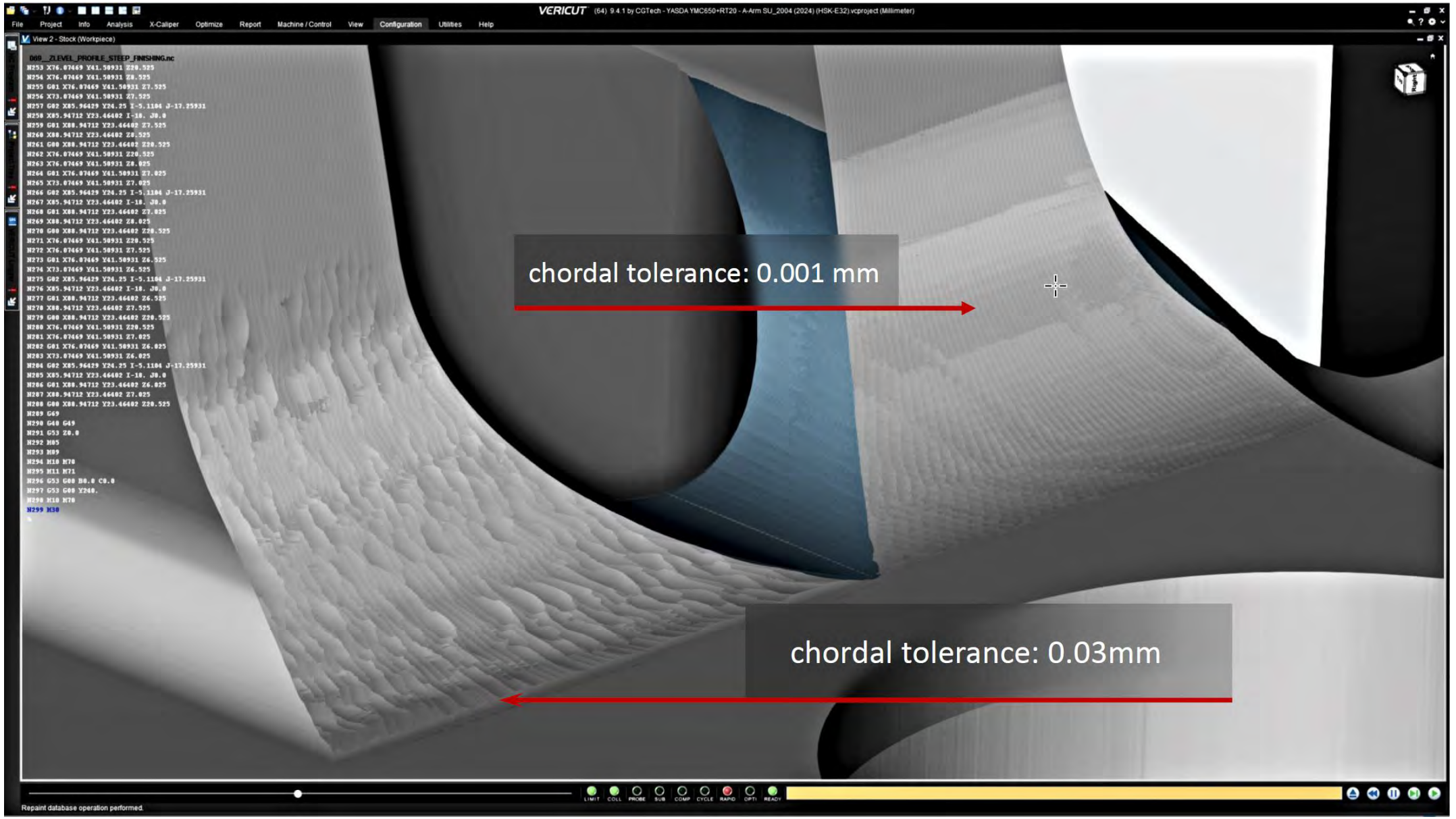


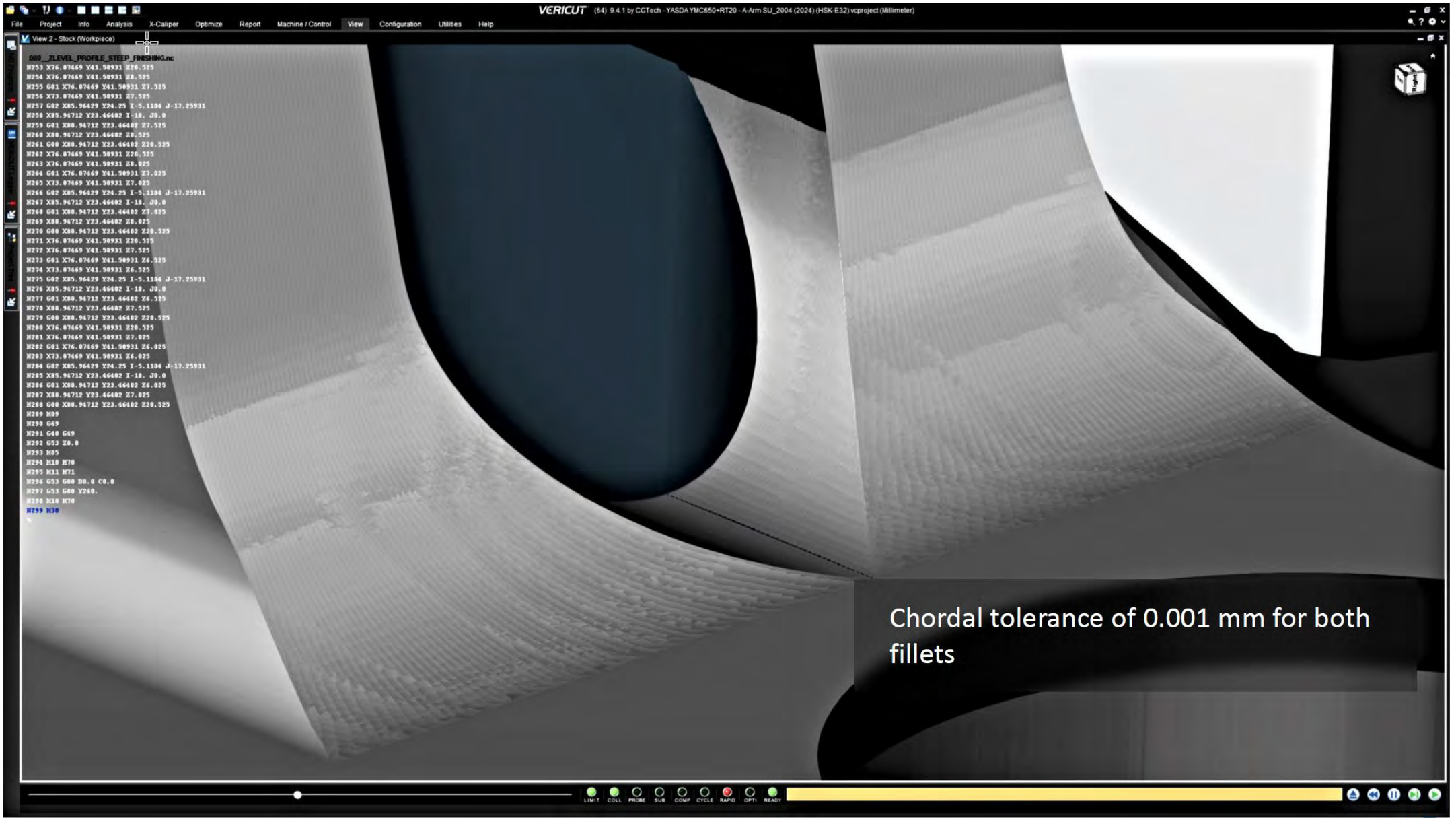




Errori legati ai blocchi del programma NC


VERICUT (64) 9.4.1 by CGTech - YASDA YMC650+RT20 - A-Arm SU_2004 (2024) (HSK-E32).vcproject (Millimeter)
File Project Info Analysis X-Caliper Optimize Report Machine / Control View Configuration Utilities Help
AUTO-DIFF
Settings
Options
Compare By Region
Stock Component Stock
Design Component Design
Comparison Method Surface
Comparison Type Both
Comparison Tolerance
Gouge
Excess
Range (mm) Color
0.01000 1:Red
0.00300 1:Red
0.00000 62:Machine_2
5.00000 15:Blue
0.00300 15:Blue
0.00000 62:Machine_2
Add Delete Add Delete
Display
AUTO-DIFF Results
Translucent Solid
Design Translucent Solid
Fixture Translucent Solid
Include Tool to Stock Collisions
EXCESS
GOUGE
Error Detected, Check Logger
Apply Compare Restore
View 2 - Stock (Workpiece)
069__ZLEVEL_PROFILE_STEEP_FINISHING.nc
LIMIT COLL PROBE SUB COMP CYCLE RAPID OPTI READY


VERICUT (64) 9.4.1 by CGTech - YASDA YMC650+RT20 - A-Arm SU_2004 (2024) (HSK-E32).vcproject (Millimeter)
File Project Info Analysis X-Caliper Optimize Report Machine / Control View Configuration Utilities Help
View 2 - Stock (Workpiece)
009__ZLEVEL_PROFILE_STEEP_FINISHING.nc
N253 X76.07469 Y41.50931 Z20.525
N254 X76.07469 Y41.50931 Z8.525
N255 G01 X76.07469 Y41.50931 Z7.525
N256 X73.07469 Y41.50931 Z7.525
N257 G02 X85.96429 Y24.25 I-5.1104 J-17.25931
N258 X85.94712 Y23.46402 I-18. J0.0
N259 G01 X88.94712 Y23.46402 Z7.525
N260 X88.94712 Y23.46402 Z8.525
N261 G00 X88.94712 Y23.46402 Z20.525
N262 X76.07469 Y41.50931 Z20.525
N263 X76.07469 Y41.50931 Z8.025
N264 G01 X76.07469 Y41.50931 Z7.025
N265 X73.07469 Y41.50931 Z7.025
N266 G02 X85.96429 Y24.25 I-5.1104 J-17.25931
N267 X85.94712 Y23.46402 I-18. J0.0
N268 G01 X88.94712 Y23.46402 Z7.025
N269 X88.94712 Y23.46402 Z8.025
N270 G00 X88.94712 Y23.46402 Z20.525
N271 X76.07469 Y41.50931 Z20.525
N272 X76.07469 Y41.50931 Z7.525
N273 G01 X76.07469 Y41.50931 Z6.525
N274 X73.07469 Y41.50931 Z6.525
N275 G02 X85.96429 Y24.25 I-5.1104 J-17.25931
N276 X85.94712 Y23.46402 I-18. J0.0
N277 G01 X88.94712 Y23.46402 Z6.525
N278 X88.94712 Y23.46402 Z7.525
N279 G00 X88.94712 Y23.46402 Z20.525
N280 X76.07469 Y41.50931 Z20.525
N281 X76.07469 Y41.50931 Z7.025
N282 G01 X76.07469 Y41.50931 Z6.025
N283 X73.07469 Y41.50931 Z6.025
N284 G02 X85.96429 Y24.25 I-5.1104 J-17.25931
N285 X85.94712 Y23.46402 I-18. J0.0
N286 G01 X88.94712 Y23.46402 Z6.025
N287 X88.94712 Y23.46402 Z7.025
N288 G00 X88.94712 Y23.46402 Z20.525
N289 G69
N290 G40 G49
N291 G53 Z0.0
N292 M05
N293 M89
N294 M10 M70
N295 M11 M71
N296 G53 G00 B0.0 C0.0
N297 G53 G00 Y240.
N298 M10 M70
N299 M30
chordal tolerance: 0.001 mm
chordal tolerance: 0.03mm
LIMIT COLL PROBE SUB COMP CYCLE RAPID OPTI READY
Repaint database operation performed.


VERICUT (64) 9.4.1 by CGTech - YASDA YMC650+RT20 - A-Arm SU_2004 (2024) (HSK-E32).vcproject (Millimeter)
File Project Info Analysis X-Caliper Optimize Report Machine / Control View Configuration Utilities Help
View 2 - Stock (Workpiece)
O69__ZLEVEL_PROFILE_STEEP_FINISHING.nc
N253 X76.07469 Y41.50931 Z20.525
N254 X76.07469 Y41.50931 Z8.525
N255 G01 X76.07469 Y41.50931 Z7.525
N256 X73.07469 Y41.50931 Z7.525
N257 G02 X85.96429 Y24.25 I-5.1104 J-17.25931
N258 X85.94712 Y23.46402 I-18. J0.0
N259 G01 X88.94712 Y23.46402 Z7.525
N260 X88.94712 Y23.46402 Z6.525
N261 G00 X88.94712 Y23.46402 Z20.525
N262 X76.07469 Y41.50931 Z20.525
N263 X76.07469 Y41.50931 Z8.025
N264 G01 X76.07469 Y41.50931 Z7.025
N265 X73.07469 Y41.50931 Z7.025
N266 G02 X85.96429 Y24.25 I-5.1104 J-17.25931
N267 X85.94712 Y23.46402 I-18. J0.0
N268 G01 X88.94712 Y23.46402 Z7.025
N269 X88.94712 Y23.46402 Z8.025
N270 G00 X88.94712 Y23.46402 Z20.525
N271 X76.07469 Y41.50931 Z20.525
N272 X76.07469 Y41.50931 Z7.525
N273 G01 X76.07469 Y41.50931 Z6.525
N274 X73.07469 Y41.50931 Z6.525
N275 G02 X85.96429 Y24.25 I-5.1104 J-17.25931
N276 X85.94712 Y23.46402 I-18. J0.0
N277 G01 X88.94712 Y23.46402 Z6.525
N278 X88.94712 Y23.46402 Z7.525
N279 G00 X88.94712 Y23.46402 Z20.525
N280 X76.07469 Y41.50931 Z20.525
N281 X76.07469 Y41.50931 Z7.025
N282 G01 X76.07469 Y41.50931 Z6.025
N283 X73.07469 Y41.50931 Z6.025
N284 G02 X85.96429 Y24.25 I-5.1104 J-17.25931
N285 X85.94712 Y23.46402 I-18. J0.0
N286 G01 X88.94712 Y23.46402 Z6.025
N287 X88.94712 Y23.46402 Z7.025
N288 G00 X88.94712 Y23.46402 Z20.525
N289 M09
N290 G69
N291 G40 G49
N292 G53 Z0.0
N293 M05
N294 M10 M70
N295 M11 M71
N296 G53 G00 B0.0 C0.0
N297 G53 G00 Y240.
N298 M10 M70
N299 M30
LIMIT COLL PROBE SUB COMP CYCLE RAPID OPTI READY
Chordal tolerance of 0.001 mm for both fillets

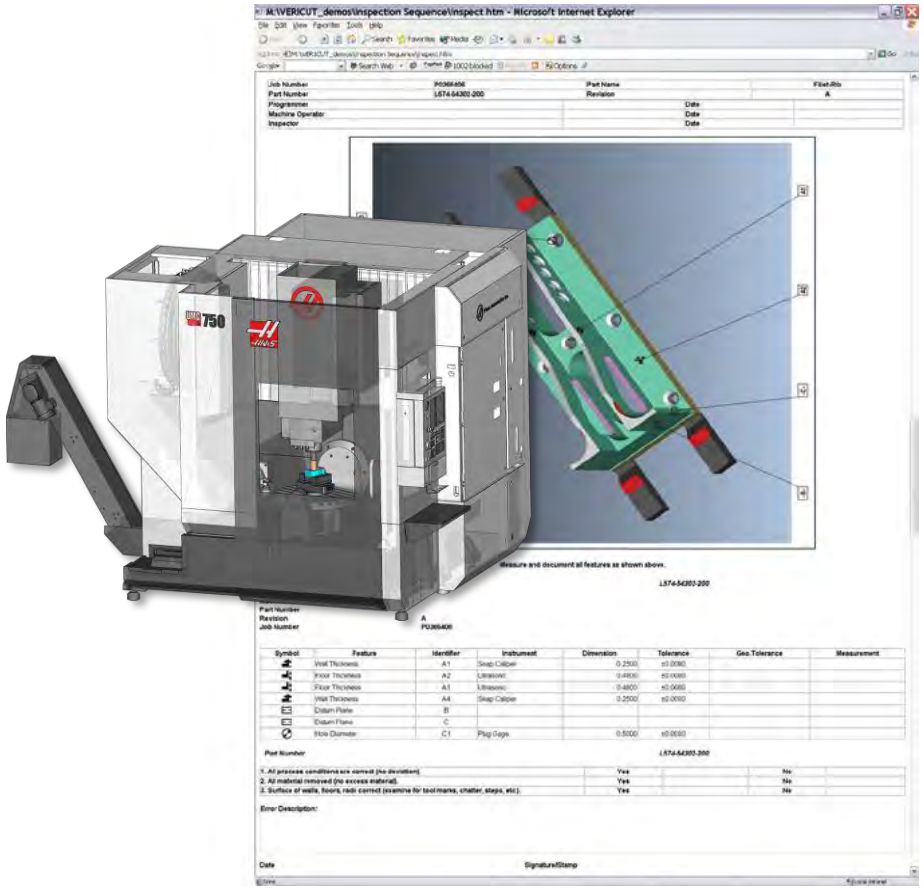
Il processo VERICUT è semplice

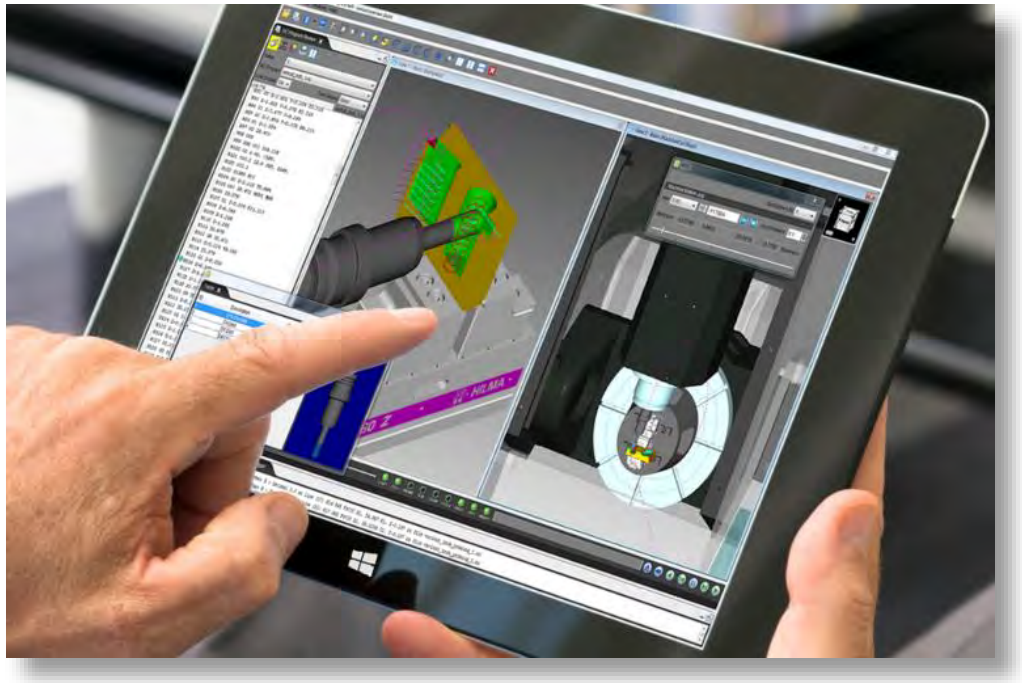
Step 1. Invia i dati a VERICUT tramite l'interfaccia CAM

Step 2. Avvia VERICUT

Step 3. Esamina i risultati

Step 4. Documenta il processo





Ulteriori info su cgtech.com o .it

ForceTM - VERICUT USA

cgtech.com/products/product-line/92-force.html

CGTECH

Force

Reduce Machining Times up to 25% or More with Force Optimization

Featured Story - "Aerospace Shop Adopts NC Optimization as a Means of Continuous Improvement"
Read how Steelville Manufacturing Co has reduced machining times and extended tool life with VERICUT Force

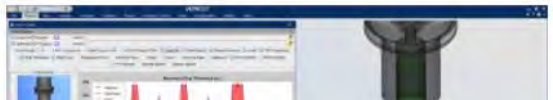
Optimize. Save. Every time.
CGTech's VERICUT Force is a physics-based NC program optimization software module that analyzes and optimizes cutting conditions throughout NC program operations.

VERICUT Force makes the most effective NC program for the given material, cutting tool, and machining conditions. The result is significant time savings, and improved cutting tool and machine life.

Force optimization reduces machining times up to 25% or more, and extends tool life up to 2x or more. Click here to calculate your savings with our interactive savings calculators.

Analyze
VERICUT Force allows programmers to quickly and easily visualize what is happening cut-by-cut in the NC program as the tool contacts the material. With VERICUT Force you clearly see underutilized cutting conditions, excessive forces, metal removal rates, power, torque, and tool deflections.

A single click provides a review of the NC program and a visual analysis in the graphic review window. This analysis provides a view of the machining before running the NC program on the actual machine. VERICUT Force provides the user with a proactive analysis on NC programs, making them right the first time.



Force FAQ - VERICUT USA

cgtech.com/force-faq

CGTECH

Force FAQ

Introduction to Force

+ WHAT IS FORCE?
+ WHY USE FORCE?
+ HOW DOES FORCE WORK?
+ WHAT DOES FORCE COST?
+ HOW CAN I CALCULATE MY EXPECTED SAVINGS?
+ HOW DO I GET STARTED?
+ HOW EASY IS FORCE TO SET UP AND USE?
+ CAN FORCE IMPROVE LEGACY PROGRAMS OR NC PROGRAMS WE HAVE ALREADY COMPLETED?
+ WHAT TYPES OF ANALYSIS DOES FORCE PROVIDE?

Force Benefits

+ WHAT ARE THE BENEFITS OF FORCE?
+ HOW DO THESE BENEFITS IMPACT MY MACHINE SHOP?

Alternatives to Force

+ HOW IS FORCE DIFFERENT THAN ADAPTIVE/PROFIT/DYNAMIC MILLING?

Domande?