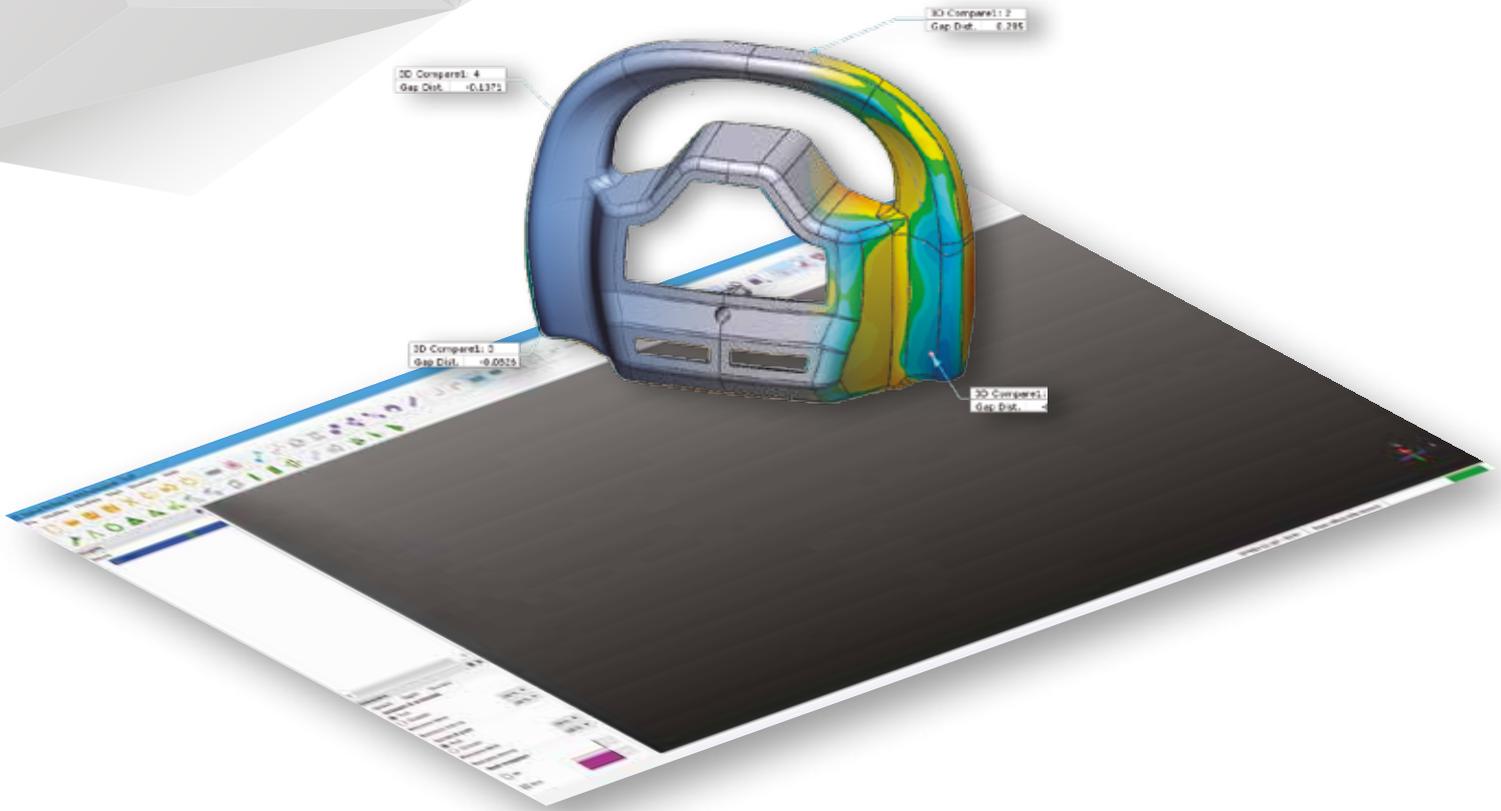


Scan to Control - Cronos



croNos3D / Cx Geomagic® Control X™ Measure. Understand. Communicate.

In view of the growing complexity of product shapes and functions, analysis of small to medium sized parts is becoming an essential step among most of the manufacturing processes.

Cronos by *Open Technologies* is the result of more than a decade of research and development and direct on-field experience.

Geomagic® Control X™ is a comprehensive metrology software platform that delivers the industry's most powerful inspection tools within straightforward workflows. The combination enables controlled, traceable and repeatable workflows for the quality assurance inspection process.



Revolutionize Your Inspection Routines

With a new User Interface, innovative new metrology and inspection tools, workflow-driven, preplanned processes and casual walk-up inspection, combined with Cronos peerless flexibility, ScanToControl delivers an unparalleled ease-of-use and comprehension for 3D inspection in any manufacturing workflow.

Now accurate measurement and fast analysis of manufactured parts and assemblies is on-hand for anyone looking to significantly build quality in manufactured parts and assemblies.

Unparalleled 3d Scan Flexibility

Cronos Scanners delivers the widest 3d-scan freedom within straightforward and intuitive workflows. Identify the best strategy and have 3d geometries acquired in a matter of minutes.

Select different registration algorithms according to specific shapes and needs, while the rotating manipulator and optical scanner work in synchronization for the highest possible automation.

Easily import your photogrammetry dataset for a higher accuracy on voluminous parts.

The power to get Reliable results, the simplicity to get them quickly

Have the freedom to measure in any order or style you desire, while the powerful Synchronous Inspection system captures the data hierarchy and automation in the background for repeatable and editable processes. Enjoy the power of Geomagic Control X where you spend more time focusing on getting the results, not time worrying about how to make the software work for you. Quickly conduct First Article inspections using the CAD-based dimensioning tools and have communication-ready information instantly at your fingertips. Native CAD importers including those which contain model-based GD&T definition are delivered standard at no additional cost.

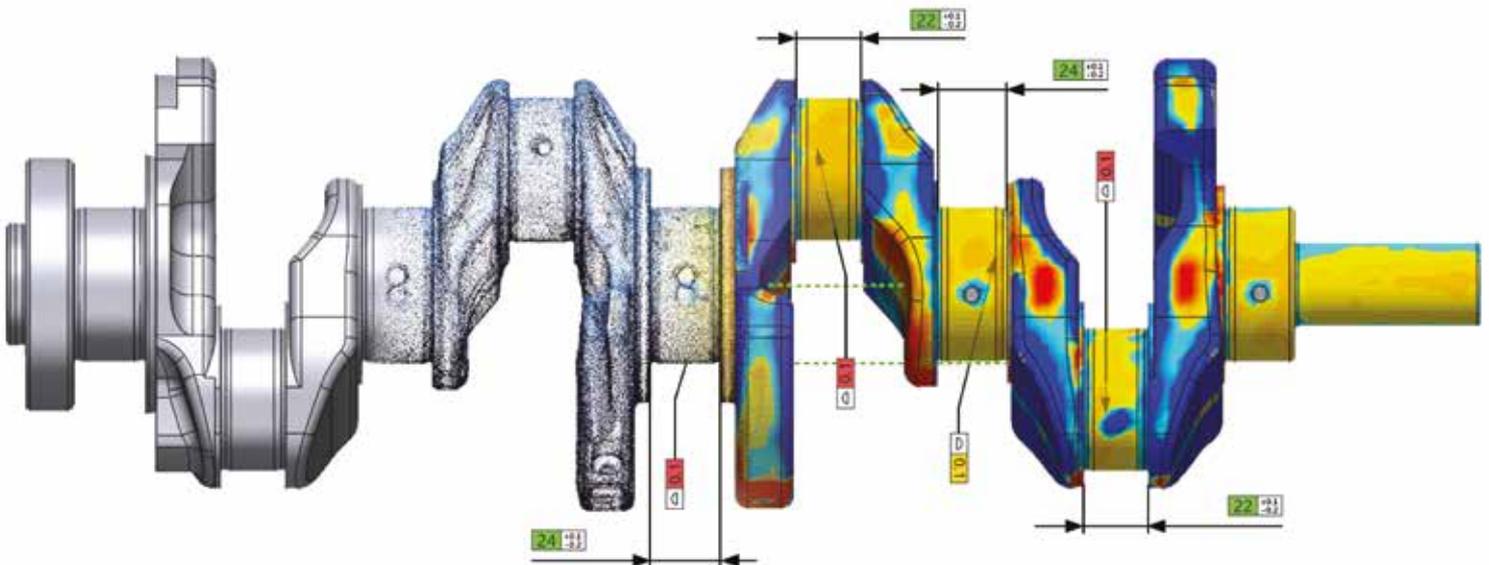
Immediately Understand Your Inspection Results Every Time

Improve your ability to investigate quality issues that may appear across parts or over time through the multiple results system and the Result Navigator.

Identify the sources of stack up error in weldments or assemblies by simultaneously working with many results under different alignment scenarios, and derive meaningful, actionable information from the analysis. Understand potential assembled part-related issues, using Cronos optical scanners by collecting families of parts or an assembly into one inspection project for easy cross part referencing. Maintain a single project for a single part which contains all measurements over time, and graphically investigate cross supplier issues.

Powerfully Communicate The Right Data to All Stakeholders.

New powerful reporting features in Geomagic Control X enable graphically-rich, communicative reports. Custom viewpoint control and view-style reporting empower you to make your report more closely follow a traditional paper or pdf print graphical presentation. Brand new, intelligent 3D dimensioning and annotation management processes enable you to control in fine detail how dimensions will be displayed. You can pick from some popular default representations or create personalized and customized annotation styles to match your company standard. New, advanced report layout tools give you the flexibility to choose how reports will be configured, in the format you prefer.



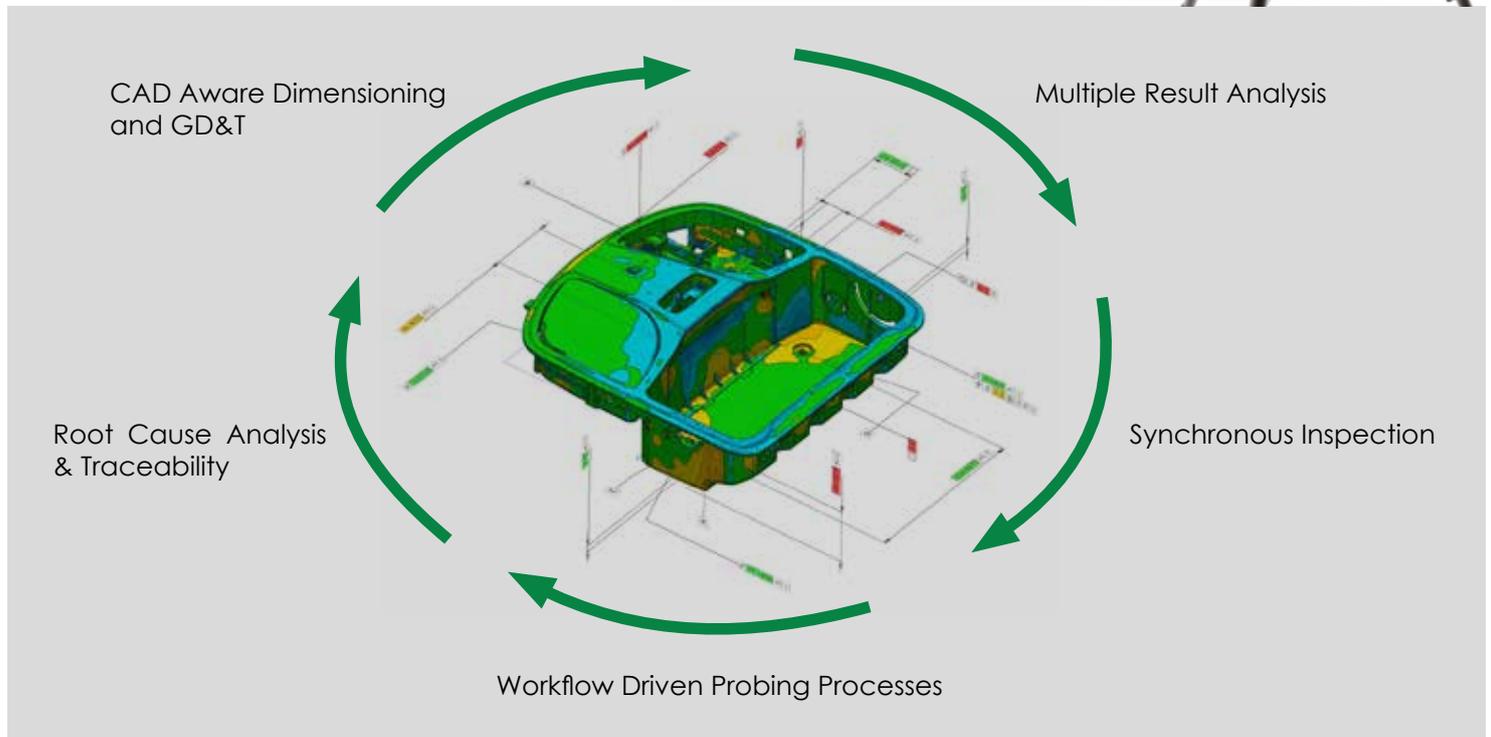
Scan to Control combines the key features created out of 3D Systems' 20 year legacy of top-grade inspection software development and those created out of 20 years of Open Technologies hardware development to bring the world's most competitive metrology solution.

Scan

- 3d Acquisition with Open Technologies Cronos3d



inspection



report

- Viewpoint Driven Reporting
- Customizable Templates



→ REPORT

→ CORRECTIONS

KEY FEATURES

KEY FEATURE SOFTWARE

Support for Extensive File Import Support	Import of all major CAD file formats including CATIA®, NX®, Creo®, Pro/ENGINEER®, SOLIDWORKS®, Solid Edge®, Autodesk Inventor®, and more, as well as PMI and GD&T data. All CAD importers are delivered at no additional cost.
Easy-to-Use User Interface Designed for Professionals	Geomagic Control X features an entirely refreshed user interface that helps everyone easily and accurately measure and analyze parts, no matter the application, using the entire range of feature-rich options.
Workflow-driven Processes, Walk-up Probing for Greater Productivity	Geomagic Control X delivers easy-to-use and understandable workflows that enable walk-up probing alongside pre-planned probing for fast generation of results every time.
Synchronous Inspection Delivers Both Ease-of-Inspection and Automation	Simultaneously create both ordered and unordered inspection models. Geomagic Control X combines the freedom of fast, accurate unordered inspection with ordered history-based inspection processes for repeatable inspection, everytime, no matter how you make it.
CAD-aware Dimensioning, PMI Support and Comprehensive GD&T Callouts	Intuitive dimensioning based on CAD features delivers increased efficiency while advanced PMI and GD&T support further reduces time to complete your inspection model, and increases speed to results.
Multiple Results Analysis Drives knowledge	Inspection model, and increases speed to results. Multiple Results Analysis Drives knowledge: Simultaneous multiple results for mating part analysis, multiple alignment scenarios and multiple part inspections enable faster comparison, analysis and understanding of root causes of production issues. Easily expand inspections to product assemblies with a full range of measurement, tolerance stacking and understanding root cause of production issues.

HARDWARE FEATURES

RESOLUTION [MPixel]	3.1 (2048*1536)	2.0 (1600*1200)	1.3 (1280*1024)
FIELD [mm]	from 150 to 450	from 150 to 450	from 150 to 450
WORKING DISTANCE [mm]	from 400 to 1015	from 310 to 935	from 400 to 1070
POINT SPACING [µm]	from 73 to 219	from 93 to 281	from 117 to 351
OUTPUTS	.STL, .OBJ, .PLY, .OFF, Curves and section in .iges		
TURN TABLE PAYLOAD	100 Kg		
PACKAGE Scanner + Optical RevEng + Geomagic Design X	from 29.900,00 €		

Our range of measuring devices is certified according to Vdi - Vde 2634 standards.
Available as Dual (one additional measuring volume)

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