

▶ SEE IT IN ACTION

VXinspect™

DIMENSIONAL INSPECTION SOFTWARE MODULE

The most intuitive and integrated inspection solution

VXinspect™ is 3D inspection software integrated into VElements that enables quality control and quality assurance professionals to perform dimensional inspections and generate inspection reports based on meticulous engineering requirements.

Whether for performing simple dimensional analysis or building an extensive inspection program, VXinspect offers a complete toolset for all inspection workflows, with no compromises on measurement quality or geometric dimensioning and tolerancing (GD&T) requirements.

Thousands of users, satisfied with its performance and intuitiveness, have already endorsed VXinspect, considering it the 3D inspection software that offers the most value for the money spent.

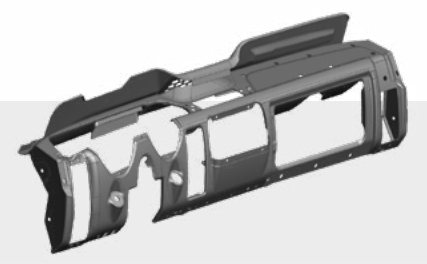
VXinspect is a resourceful assistant, helping you throughout the inspection process. Thanks to its simplicity and efficiency, VXinspect enables you to validate the conformity of manufactured parts and deliver higher quality parts to your customers faster.



STEP 1 MEASURE

VXinspect works in multiple measurement modes by seamlessly integrating photogrammetry, single-point touch probe, and non-contact measurement (scan).

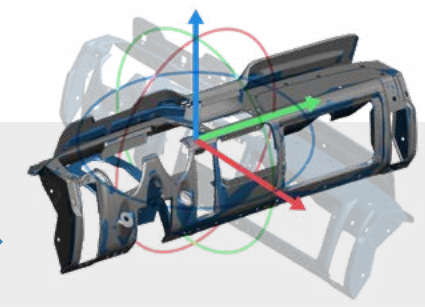
- 3D scanning
- Probing
- Photogrammetry



STEP 2 IMPORT

VXinspect supports CAD import or any mesh for direct measurement comparisons with reference 3D models, leading to a better understanding of manufacturing defects.

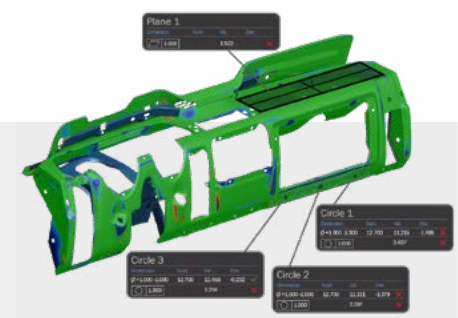
- .IGES
- .STEP



STEP 3 ALIGN

As an object's position and orientation in space are crucial during the inspection, VXinspect includes a complete alignment toolset to fulfill inspection requirements and generate more accurate results.

- Best-Fit
- Feature-based (PLP, Points, etc.)
- Datum
- Reference Point System (RPS)



STEP 4 ANALYZE

Thanks to its sophisticated algorithms and calculation methods, VXinspect combines simple, yet powerful tools and features to fully analyze the inspected parts.

- Colormap (3D deviation comparison)
- Geometric features
- Cross-sections
- Calipers
- GD&T



STEP 5 REPORT

VXinspect makes it easy to create and share inspection reports in multiple formats.

- Customizable reports
- Multiple formats (PDF, Excel, XLS, CSV)



STEP 6 REPEAT

When a repeat inspection is required, VXinspect can quickly move from one part to the next with minimal steps.

- Multiple part inspection
- Automatic measurement extraction

What can VXinspect offer you?

INTUITIVE INTERFACE

Rigorous development has led to VXinspect's powerful tools and features, which are accessible and easy to learn, as well as simple to integrate and operate thanks to the intuitive interface.

COMPLETE TOOLBOX

With VXinspect, manufacturing and metrology professionals have access to all the features needed to conduct first article inspection (FAI), quality control (QC), and quality assurance (QA) during the manufacturing process.

HARDWARE INTEGRATION

Along with offering both the acquisition and inspection functions within a single software module, VXinspect offers perfect integration with Creaform's technologies, adding even more value to the offer.

ASK OUR EXPERT

	VXinspect™	VXinspect™ Elite
IGES/STEP CAD file import	•	•
Single point inspection (probing, photogrammetry)		•
Mesh inspection (scanning)	•	•
Complete part alignment toolset	•	•
Complete dimensional inspection toolset	•	•
Reporting toolset	•	•
Multiple part inspection		•
2D & 3D GD&T		•
Certification	NIST	

VXinspect is available in two versions, according to your inspection requirements and workflow.

VXinspect is a user-friendly software for scan data inspection that streamlines single-part root cause analyses.

VXinspect|Elite is a complete inspection and dimensional analysis software for advanced quality control applications.