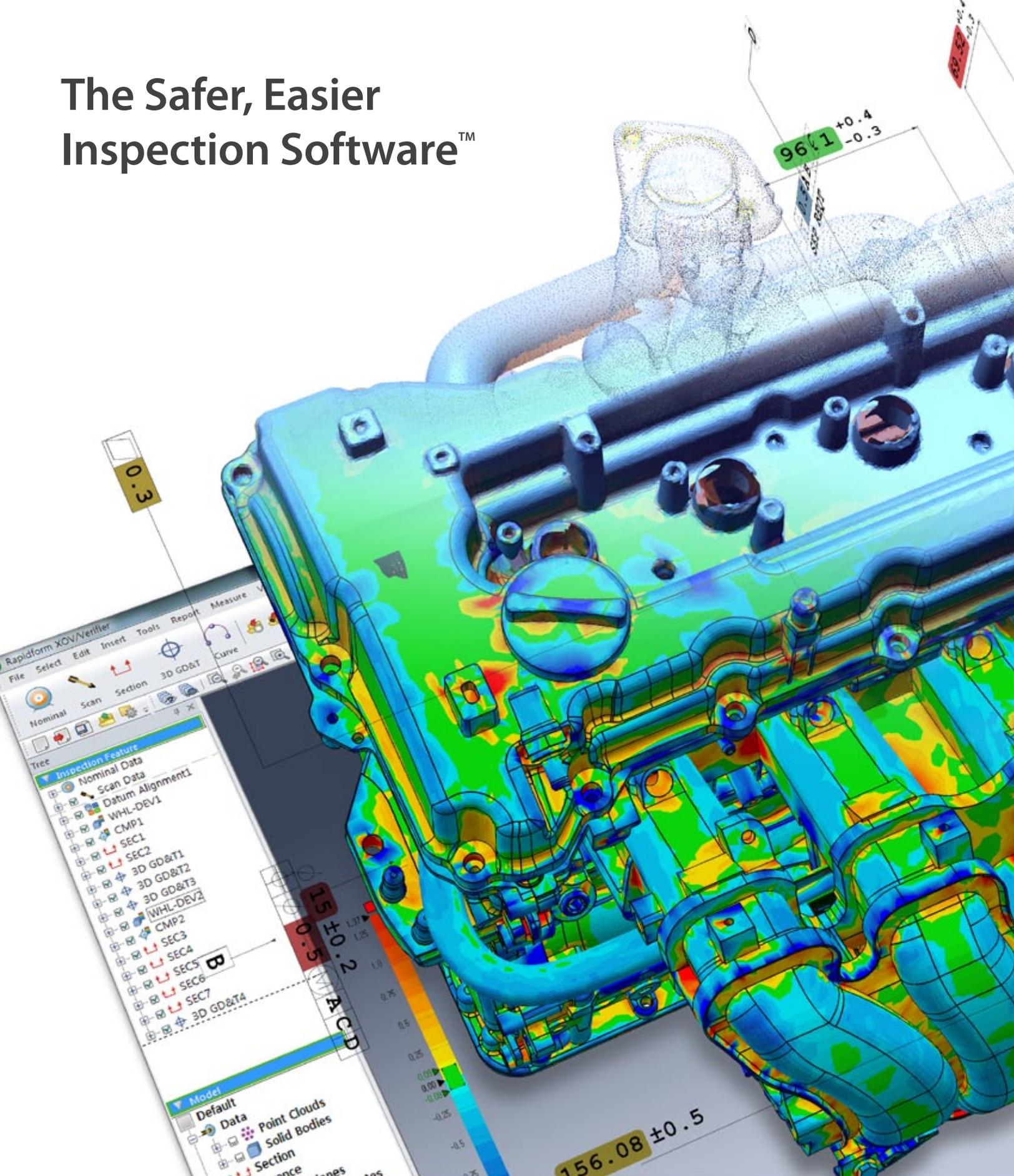




# The Safer, Easier Inspection Software™



# Accelerate Your Inspection Process

With Your Measurement Device and RAPIDFORM®XOV™

## Minimize Errors and Save Time

With CAD intelligence built-in, reduce the chance for human errors and speed up the inspection process by measuring directly from CAD data. Rapidform XOV recognizes features in CAD models and measures them on the fly, making even complex inspection routines fast and easy to perform.

## Improve Productivity Exponentially

Rapidform XOV records all operations and parameters, as well as their order in a history tree. This makes multi-part inspections as easy as measuring a new part, because the software will automatically repeat the entire inspection routine without any user input. You can inspect one or multiple parts with the same setup effort.

## Ensure Precise Results

Reproducibility is a critical aspect of every quality control process. Rapidform XOV makes achieving reproducible results easy, because it automatically extracts features from measured data without the need for user input. This automation reduces variability between operators.

## One Software for All Your Measurement Devices

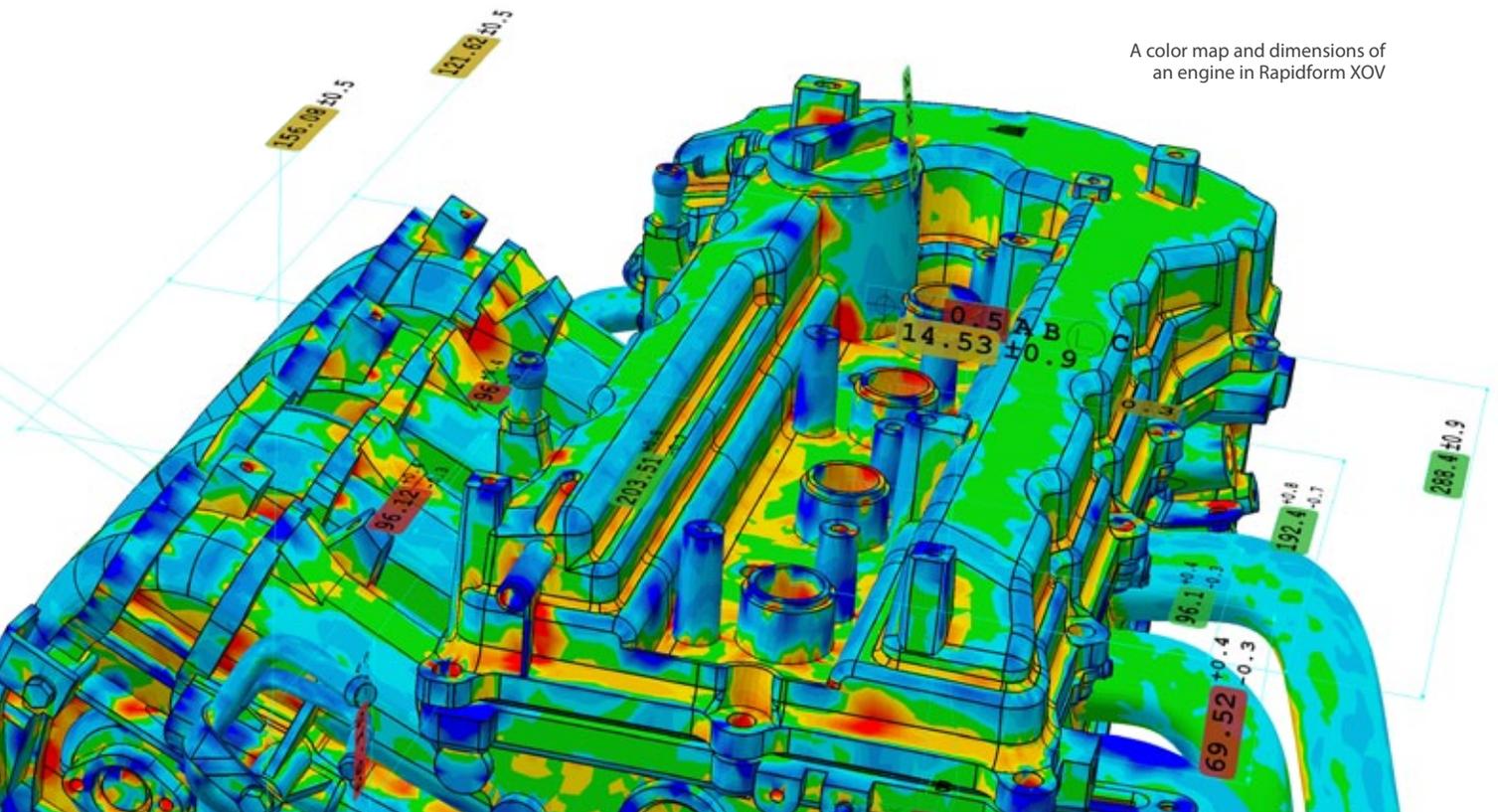
Leverage XOV's safer, easier inspection environment for both contact and non-contact measurement. Every measurement you take with a 3D scanner, portable CMM arm, optical CMM or laser tracker is saved in XOV's parametric history tree and can be used to perform deviation analysis and GD&T. All your data is in one place, with one easy to use inspection and reporting interface.

## Make Inspection More Flexible

Since every aspect of the inspection is recorded in a history tree, modifying any step in an inspection routine intelligently updates all related steps. You're empowered to iterate and find the optimal results for each inspection.

## Verify with Confidence

When it comes to inspection, every calculation counts. That is why Rapidform XOV's geometry calculation algorithms have been tested by America's NIST, Britain's NPL and independently certified by Germany's PTB metrology authority as Class 1 accuracy. Top manufacturers around the world trust Rapidform XOV to measure thousands of parts every day.



A color map and dimensions of an engine in Rapidform XOV

# The Safer, Easier Inspection Software

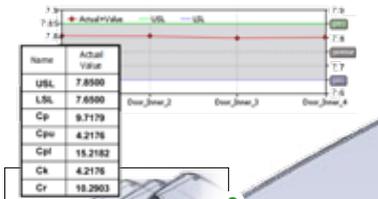
## Complete Part Verification in Only 4 Steps

- Import data from any measurement device and any CAD software, or measure directly within XOVI
- Auto align 3D measurement data to a CAD model
- Create deviation color maps and measure dimensions & tolerances (GD&T)
- Auto report and share the 3D model to show inspection results
- Repeat for other parts with two clicks

Rapidform XOVI is the ideal solution for contact and non-contact inspection

### Trend Analysis

- Batch processing of scans to inspection reports
- Easy statistical process control (SPC) reporting



### Curve Deviation

Verify parting lines and feature lines

### Thickness Plot

Check part thickness instantly

### Virtual Edge Deviation

Inspect hard-to-measure sharp edges

### Silhouette Deviation & Boundary Deviation

Validate stampings for fit & function

### Comparison Points

Detailed point-by-point comparison to CAD

### Curvature Plot

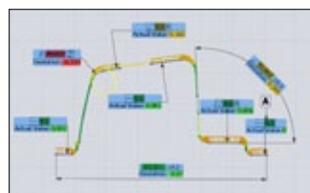
Analyze surface continuity & curvature flow

### Whole Deviation

Compare an entire part to a CAD model in seconds

### Section Inspection

Inspect 3D scanned parts to your drawings easily

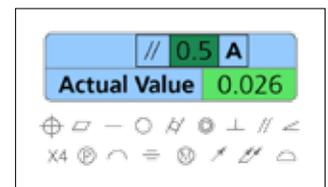


### Section Inspection

Deviation vector plots and easy 2D GD&T setup

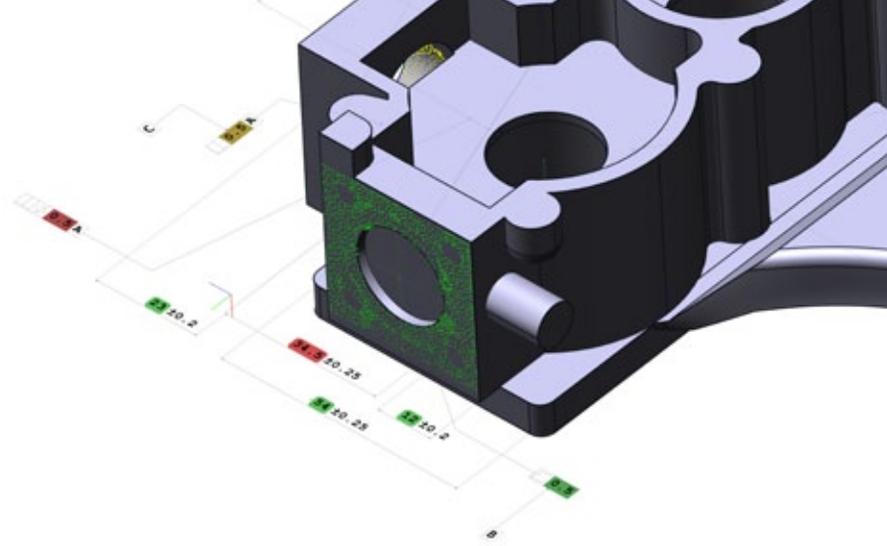
### GD&T

Ensure operability and assembly of parts



### In-depth GD&T

- ASME Y14.5 compliant
- ISO compatible
- Material condition (MMC, LMC)
- Feature patterns
- Simultaneous requirements
- Projected tolerance zone modifiers



## Training

### New User Training

World class training options are at your fingertips. Join one of our regularly scheduled training courses at a Rapidform office, or have a Rapidform expert come to your facility and train your whole team.

### Ongoing Learning

Join us at Rapidform Success, our annual training conference designed to keep you at the forefront of 3D scanning technology. Keep up with the latest tech tips at [support.rapidform.com](http://support.rapidform.com)

## Updates & Support

### New Version Releases

New version releases include major new functionalities as well as enhancements to existing functionality. These new functions are must-haves if you want to stay competitive with the latest tools and technologies.

Find the latest release information at [www.rapidform.com/new](http://www.rapidform.com/new)

### Service Packs and Hotfixes

Every day, new challenges are on the horizon. We are constantly improving Rapidform software to ensure you can overcome any challenge you face

Get product updates at [www.rapidform.com/product-updates](http://www.rapidform.com/product-updates)

### Technical Support Services

Stay productive and efficient with Rapidform technical support services.

With cutting-edge tools like live web meetings and technical blogs, we devote unparalleled time and effort to your needs.

Keep up with the latest technical support at [support.rapidform.com](http://support.rapidform.com)

### Product Enhancement Privileges

Sometimes our best new features are from you. You can submit suggestions and feature requests that help optimize your workflow, assuring that you stay efficient by making the software work for you.

Submit any requests at [support.rapidform.com](http://support.rapidform.com)



Due to its speed, increased accuracy and ease of use, Rapidform XOV has dramatically improved the capacity of our inspection and verification analysis.

Marian Petrescu  
Senior Mechanical Engineer,  
Motorola Solutions

3D scanning and Rapidform XOV prevented a \$20,000 mistake. But what is more important is that it helped us avoid a four week delay that could have jeopardized an OEM's production schedule.

Dave Chrisman  
B & J Process Engineer

