



Digital Optical Comparator / Digital Profile Projector (PATENTS PENDING)

The VisionGauge® Digital Optical Comparator is "The Fastest, Easiest, Most Accurate Way to Compare a Part to a CAD File™".

The VisionGauge® Digital Optical Comparator:

- Is much more accurate
- Is much faster
- Has a smaller footprint and uses less floor space
- Is much more powerful

...than any other existing optical comparator

It is:

- the only comparator with "Auto PASS / FAIL"
- the only comparator with CAD "Auto-Align"
- the only existing digital comparator
- the only comparator that can be fully automated

The VisionGauge® Digital Optical Comparator:

- Works directly with the CAD data so that no overlay or template is needed.
- Can collect digital images & records with the CAD overlay and the deviations from nominal
- Uses powerful patent pending technology
- Is extremely easy to use
- Is shop-floor-ready



Compared with traditional optical comparators, our VisionGauge® Digital Optical Comparators are competitively priced and offer numerous benefits. Our VisionGauge® Digital Optical Comparators:

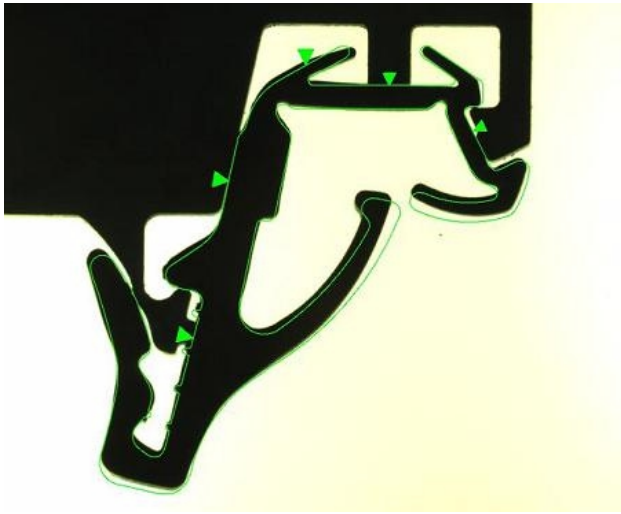
- Produce a very high contrast image with very sharp edge profiles so that there is no problem viewing it in full daylight
- Are much more accurate
- Allow the user to be much more productive and get more work done with a single machine
- Have groundbreaking "Auto Pass / Fail" and "Auto-Align" tools for complete automation of inspection and measurement operations.
- Can compute and display the part's deviation from nominal and compare it to bi-directional tolerances
- Work directly with the CAD data so that no overlays / templates / Mylars™ are required
- Can be used to collect images (either with or without the CAD data overlay and with or without annotations), measurements and data .
- Can also carry out fully automated measurements (like a video CMM)
- Have a smaller footprint and use less floor space
- Can be moved much more easily and without requiring re-calibration (i.e. "rolling cart" configuration is standard)
- Have a much greater optical depth of field, i.e. "everything is in focus all at once"
- Have a longer optical working distance (i.e. more clearance between the part and the lens)
- Allow you to compare a part to its CAD data beyond the optical field-of-view! (because the CAD data tracks the part and follows the stage motion)
- Have LED illumination for very stable illumination over a 10 year life. No more bulbs to change!

Thanks to their advanced patent pending technology, VisionGauge® Digital Optical Comparators are much faster, much more accurate and easier to use than traditional optical comparators.

And through their barcode reader and joystick interface, these systems are extremely intuitive and require only minimal operator training. The system can also be setup to allow on-screen measurements, to collect measurement statistics and to save the image of the part with its superimposed CAD drawing, etc, etc, etc...

And because they are fully digital, these systems allow you to collect complete digital records of the inspection and measurement operations.

VisionGauge® Digital Optical Comparators are very robust. They are perfect for both the shop floor and the Quality Control lab.



VisionGauge® Digital Optical Comparators are complete, ready-to-run Windows-based solutions and are delivered network-ready.

They are available in both horizontal and vertical configurations. They have industry standard dovetail mounting grooves for easy part fixturing.

VisionGauge® Digital Optical Comparators are available with transmitted (i.e. back) and / or reflected (i.e. front) illumination. All illumination is LED-based for very stable and repeatable illumination conditions over a very long life (no more bulbs to replace!). Furthermore, the illumination is programmable and computer-controlled. Everything is done through a single simple and intuitive software interface!

VisionGauge® Digital Optical Comparators have power focus. They are available in industry standard 5X, 10X, 20X, 50X and 100X optical configurations. They are available in both single and multi-mag configurations.

VisionGauge® Digital Optical Comparators are extremely easy to use. They are a "drop in" replacement for traditional optical comparators.

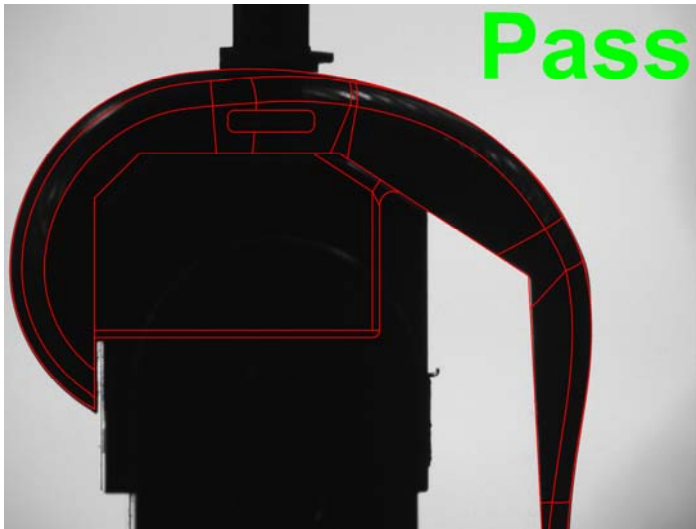
An optional high-resolution LASER module is also available for depth & height measurements.

Motorized fixtures, rotary stages and extended travels are also available.

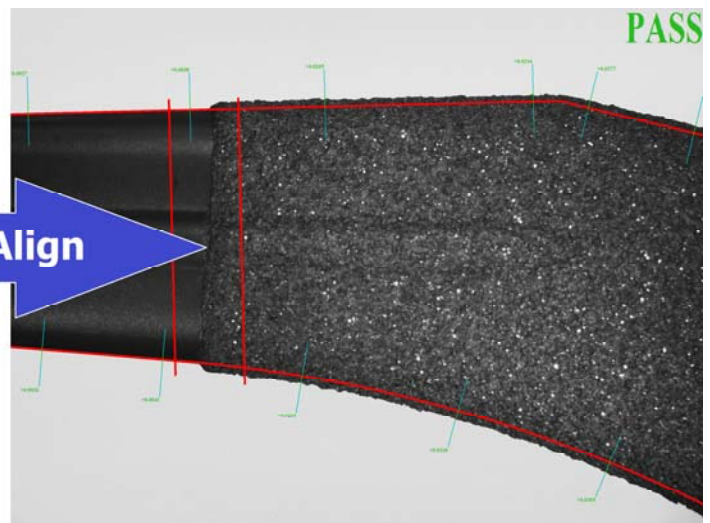
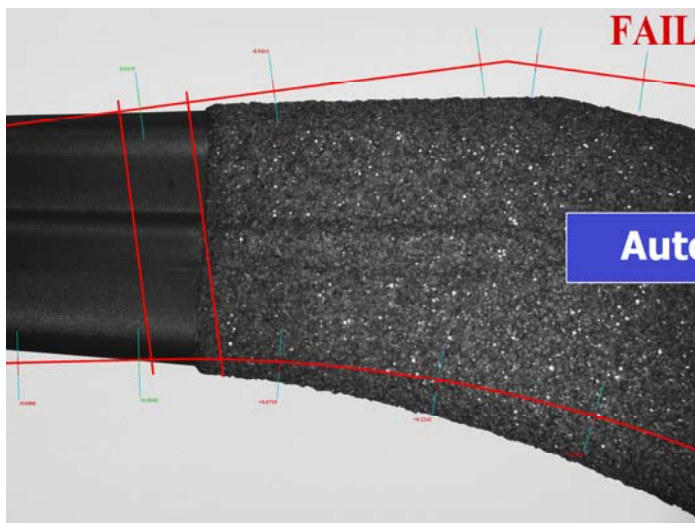
Many leading manufacturers across a wide range of industries have standardized on the VisionGauge® Digital Optical Comparator to meet their inspection and measurement requirements.

VisionGauge® Digital Optical Comparators are competitively priced and have a very simple yearly calibration procedure.

Please contact us for more information, including a video demonstrating the system's operation



The groundbreaking Auto Pass/Fail tool eliminates operator subjectivity!



The Auto-Align tool automatically aligns the CAD data to the part, almost instantly, along an arbitrary number of user-specified datums

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