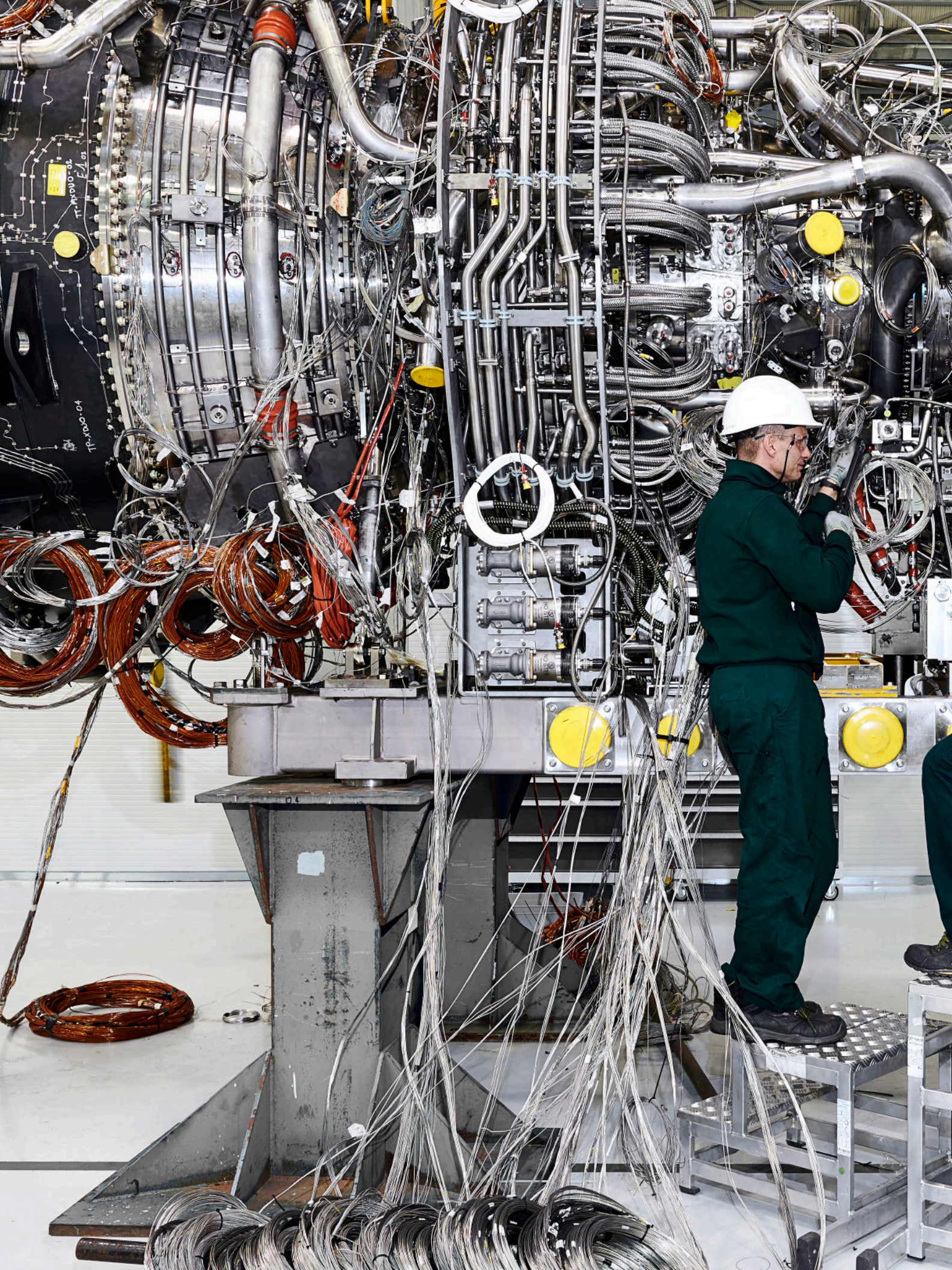
Waygate Technologies
a Baker Hughes business

Mentor Visual iQ with TrueSight™

Inspect in high definition.



The most precise detection. Faster.

Meet the first HD 3D measurement-enabled video borescope.

Today, visual inspections are more crucial than ever to reduce the risk of serious equipment failures and improve uptime. Because the more you know about your assets, the better your chances of detecting potential issues before they impact productivity.

Waygate Technologies Mentor Visual iQ VideoProbe™ provides superior accuracy for even the toughest inspections, with the highest Probability of Detection (POD) for indications such as pitting, cracking, and corrosion.

As the industry's first portable borescope with Real3D™ measurement and analysis capabilities, Mentor Visual iQ pushes the boundaries of the inspection landscape. And now, with increased measurement range and area, improved 3D data quality in the fully surfaced Point Cloud, enhanced connectivity, and revolutionary HD imaging to unlock the power of on-screen digital zoom, inspectors can achieve smaller defect recognition from further distances.

Leading the way with advanced digital inspection.

Cutting-edge HD image quality

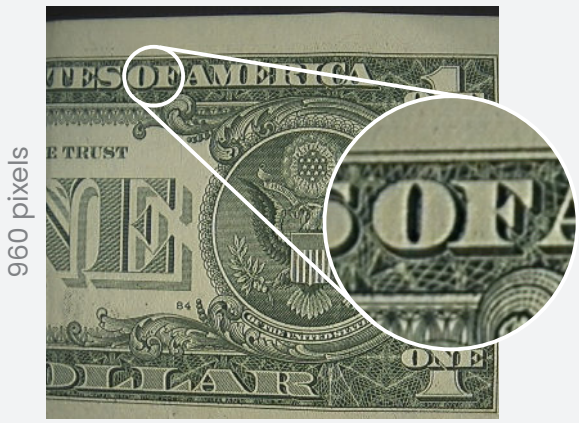
With TrueSight™, Mentor Visual iQ delivers HD visuals, a high-intensity light source, and superior visual processing, for clearer, sharper videos and still images right on your device. These images would have otherwise required multiple tip changes and significantly more time. The image quality allows for accurate measurement from increased distances, too—increasing potential measurement surface area, POD, and reducing noise in the fully surfaced Point Cloud.

Advanced detection and analysis

With HD-enabled digital zoom, you can hone in on even the tiniest indications mid-inspection. On-demand 3D Phase and Stereo Measurement powered by Real3D™, pair with on-device workflows, data management, and improved assisted defect recognition to give you easier access to intelligent data—helping you increase productivity and make the best possible asset decisions, faster.

Standard definition

Truesight™ HD visuals



Performance meets portability

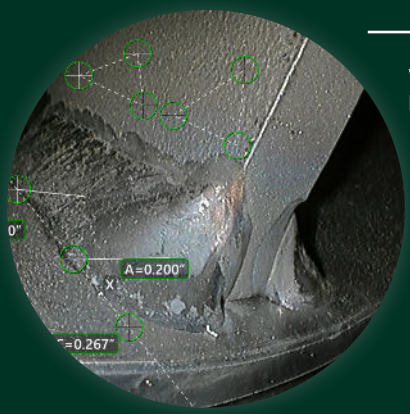
Mentor Visual iQ combines the portability you want with the powerful processing you need. Its rugged, ergonomic design ensures it can withstand the toughest inspection environments, while still being lightweight enough for easy storage and mobility.

Intuitive innovation

This device comes preloaded, so its easy-to-use interface makes sense right out of the box. Menu Directed Inspection (MDI) software, on-device manuals, and context-based inspection support files guide users through the inspection process and organize results for simplified reporting. And with advanced file management, it's easier to store, organize, and report large volumes of inspection data.

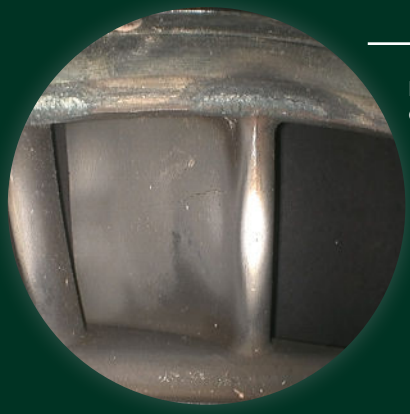
Detect even the smallest indications in a variety of applications across a range of industries, including:

7FA Igniter (Oil & Gas)



Weld (General Inspection)

GE90 Combustion Chamber (Aerospace)



Nozzle crack in a turbine (Aerospace)

More uptime, no matter the industry.

Faster, more accurate inspections bring greater value across a varietyof industries and use cases.

Aerospace

- Enhances POD in all engine stages
- Significantly reduce Aircraft on Ground (AOG) and inspection time
- Improve the shop and flightline inspection process
- Fast and accurate go/no-go's with Real3D™ surface scanning and analysis
- Store Aircraft Maintenance Manager (AMM) workflows, catalog images, and generate reports on demand

Oil & Gas

- Withstand the toughest field conditions—on a rig, column, or turbine unit
- Inspect large areas such as tanks, headers, vessels, and meter tubes with superior TrueSight™ image quality and illumination
- Fit for Purpose/Balance of Plant inspections of a variety of assets
- Determine accurate depth and size of pitting, cracking and corrosion indications

Power generation

- Handheld or handsfree portability makes inspections in difficult access areas faster and easier
- Accommodate specific inspector preferences, or inspections by plant type
- Designed for rugged inspection conditions
- Improve POD of flow-accelerated corrosion, pitting, cracking, wear, and tip rub with crisp HD image quality

A wide range of applications

- Pumps
- Motors
- Generators
- Pulp and paper rollers
- Gear boxes
- Pipes
- Tubes
- Purity pipes
- Compressors
- Meter tubes
- Large pistons
- Chillers
- Valves
- Gun barrels
- Mortar tubes
- Homeland Security
- Maritime surveying
- Airframe
- Chasis

Get the most out of your inspection.

With these add-ons, you can maximize versatility and productivity, while minimizing total cost of ownership for your Mentor Visual iQ device.

Flexibility to work faster

Intuitive product design with QuickChange™ probes, tip optics, and custom user and application profiles help you meet a variety of the toughest inspection challenges.

- Touchscreen interface with on-screen keyboard and annotations
- Ergonomic buttons and precise cursor placement
- WiFi and Bluetooth-enabled for seamless reporting

Remote collaboration in real time

When additional advice or second opinion is needed during an inspection, you need answers fast. Mentor Visual iQ pairs with InspectionWorks Connect software for live video streaming and collaboration in real-time—no matter the environment or distance between inspectors.

- Share screens and images
- Gather opinions
- Make notes in real time

Streamlined service on demand

Downtime is costly, but our streamlined repair service enables you to get your assets up and running again and keep Mentor Visual iQ where you need it: in your hands.

- Fast diagnosis
- Expedited maintenance

Remote control right from your iPad®

The all-new iView Remote capability provides a connection between Mentor Visual iQ and your tablet, enabling viewing and remote control—which is especially useful to decrease radiation exposure in nuclear applications.

Interchangeable specialty probes

Every inspection application has its unique challenges. That's why we provide a variety of specialty and custom probes to meet your specific needs.

UV VideoProbe: Using a UV light source, integral quartz light fibers, and correct UV optics and filters, this probe is optimized for fluorescent penetrant inspections with the ability to access small remote areas of equipment.

Working Channel Probe: Expedite return-to-service with this 6.2mm diameter probe. The most complete foreign objects debris retrieval system in the industry, it features an internal working channel and a full suite of working tools.

LongSteer™ Probe: Useful for visual inspections of piping, heat exchangers, and boiler tubes, this probe provides great image quality, light output, and articulation in lengths up to 30 meters with Real3D™ Measurement.

Inspection starts here.

Waygate Technologies Mentor Visual iQ delivers unprecedented precision and accuracy for faster, more informed decisions by providing the portability, powerful features, enhanced connectivity, and custom tools and accessories needed to help you succeed in industry today.

See how Waygate is revolutionizing the digital inspection landscape. Contact your sales representative for a demonstration.

bakerhughesds.com

Baker Hughes

Copyright 2020 Baker Hughes Company. All rights reserved.

BHCS33632 (02/2020)