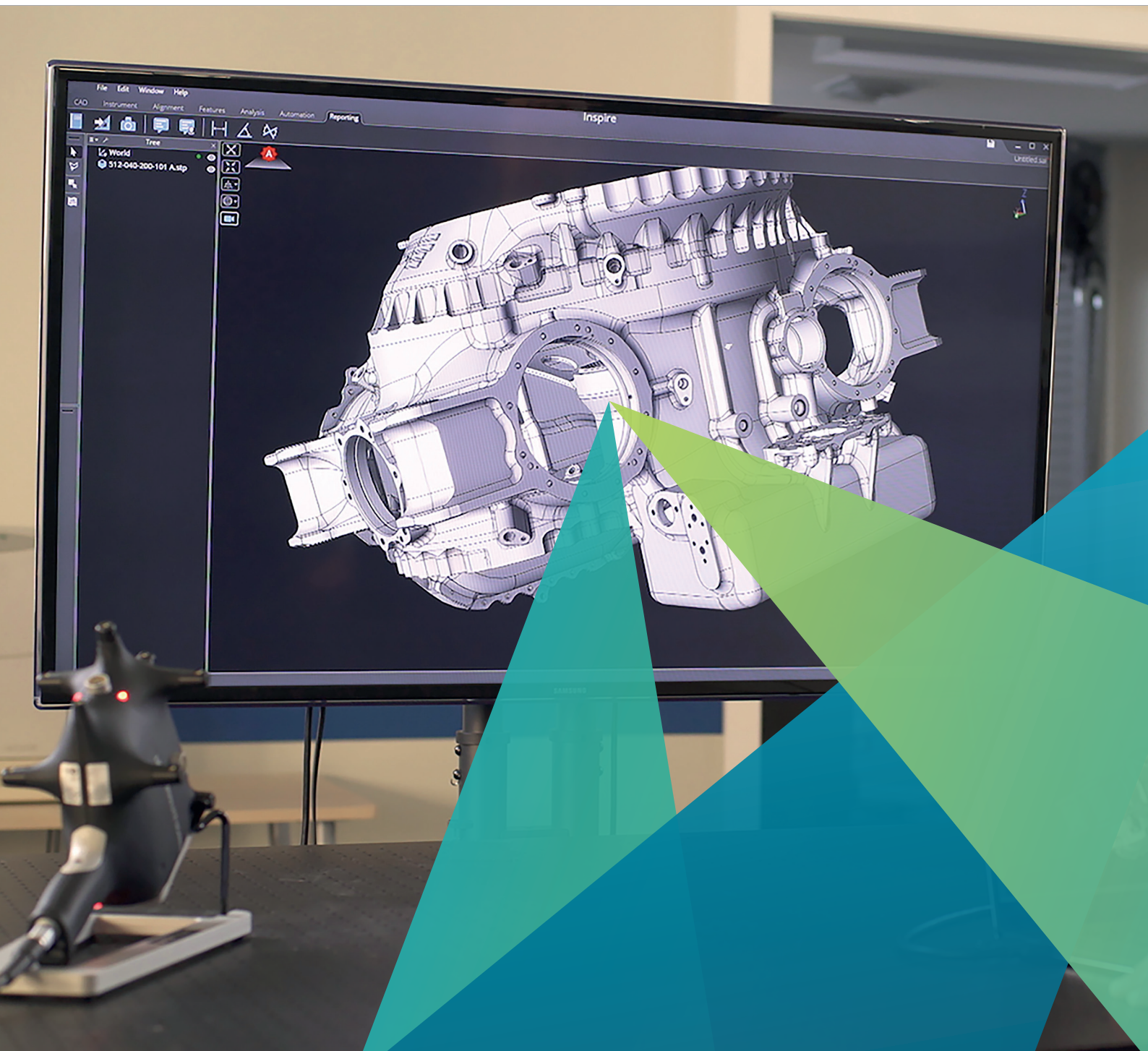


Inspire

The future of intuitive portable metrology



Inspire

Making complex measurement simple

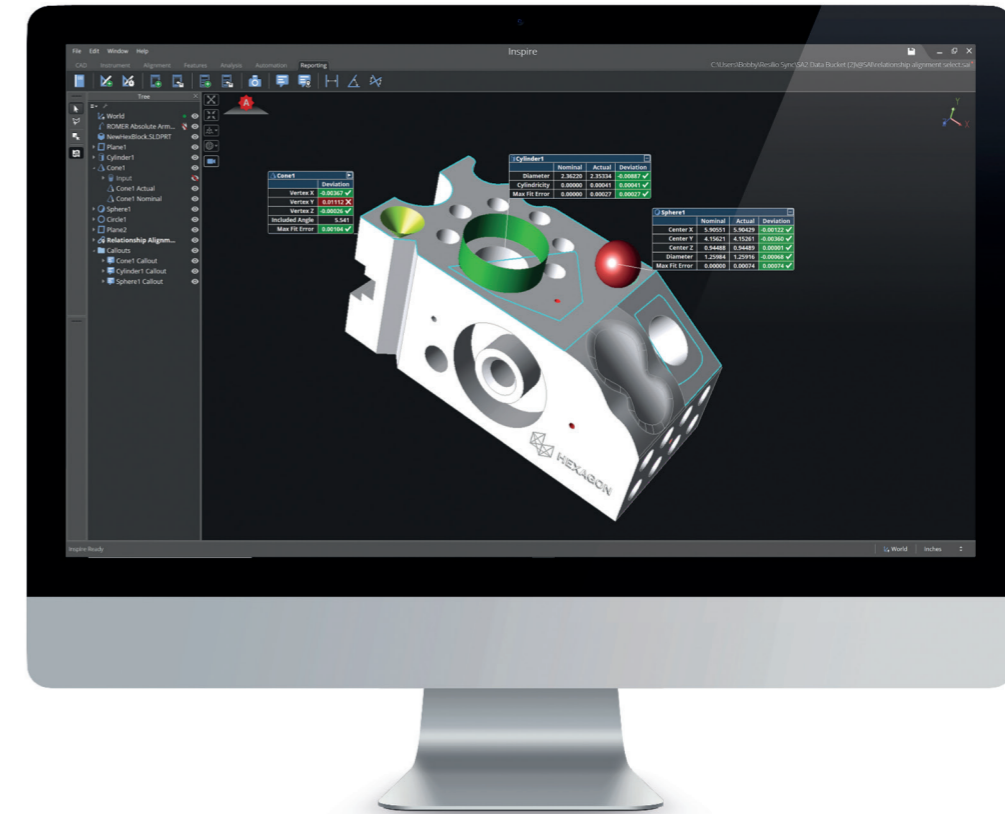
Inspire is the next generation of measuring software from Hexagon Manufacturing Intelligence, designed for a wide range of portable probing and scanning devices. Intuitive to learn and easy to use, Inspire makes measurement simple and complex tasks possible.

With one simple interface for probing and scanning applications, Inspire helps portable measuring arm and laser tracker operators get the results they need – quickly and easily. Users can move effortlessly between devices while on the job, saving time and effort. This translates to improved efficiency and quality control for a variety of measurement processes, from the inspection of small size parts to large-volume jobs.

Inspire is a comprehensive software solution that simplifies measurement processes, saves time and ultimately improves productivity. Versatile and multi-functional, Inspire is built for users working on metrology applications ranging from simple tasks to complex projects in a multitude of industries.

Inspire highlights

- Intuitive user interface and intelligent workflows for efficient inspection
- One simple interface for probing and scanning applications on a wide range of devices
- Allows import and use of all native CAD formats including CATIA, Creo, SolidWorks, NX, standard formats and more
- Provides powerful alignment tools to make small and large jobs easy
- Addresses ASME and ISO standard GD&T requirements with support for native CAD annotations
- Offers real-time meshing of scan data as well as the ability to produce and refine finished mesh surfaces
- Includes full-featured reporting functions
- Supports multiple languages



Quick, easy inspection

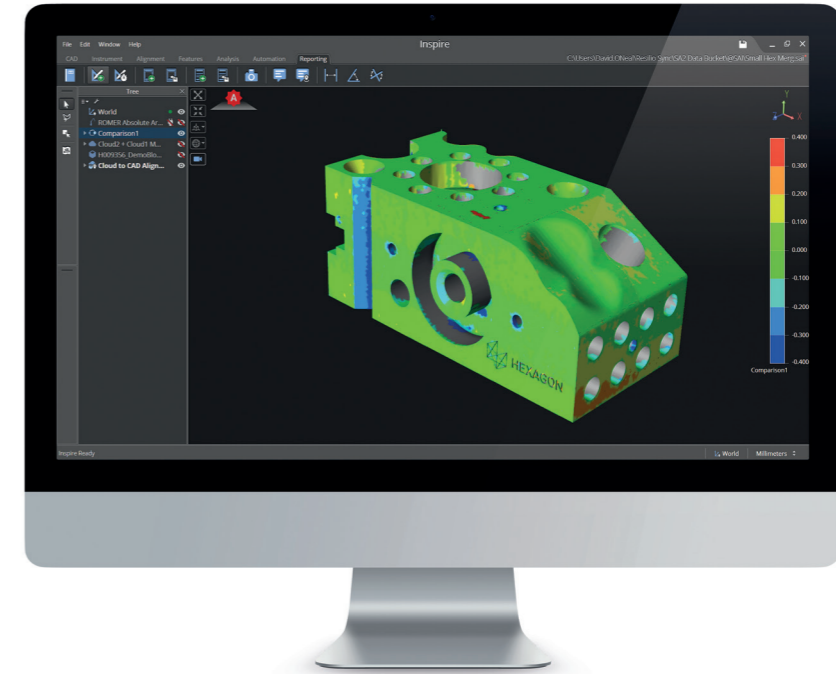
Keeping customer requirements in mind and simplifying daily measurement tasks on the shop floor, Inspire makes measurement simple, saves time and ultimately improves productivity. Even a new user can learn Inspire with little to no training.

Intuitive, easy-to-use interface

Organised into a natural workflow, Inspire contains a comprehensive set of tools to aid users through the entire inspection process. Manufacturers using Inspire can easily monitor components and features to design tolerances with watch windows and their flexible display functions. Tooltips are used to detail the intended use of various functions and provide additional information and valuable feedback.

Adaptive measurement modes

With predictive actions and instrument gesture controls, users can reduce the amount of software interaction required to complete tasks. This creates a more streamlined approach to measuring, where users spending less time navigating and changing settings within the software.



Inspire confidence

In day-to-day operations

Inspire is designed to support a range of daily measurement applications. With one simple interface, Inspire works with any portable CMM arm or laser tracker for probing and scanning applications and gives users confidence in the results.

Powerful CAD capability

With Inspire, users can import CAD and create features with one click from the 'Extract from CAD' icon, and compare measured geometries. Inspire also supports import of Product and Manufacturing Information (PMI), so the software can quickly create inspection plans with minimum user intervention using PMI imported with the CAD.

Scanning and probing

Allowing the use of discrete point probing data and scanned cloud data in virtually the same manner, Inspire is designed to work with both types of data in the same way. Because users don't have to treat the data sets differently, they can switch between probing and scanning quickly and easily using the same instrument interface.

Meshing

Inspire supports the real-time meshing of scan data as well as offering the ability to produce and refine finished mesh surfaces.

Automated inspection routines

Create robust inspection templates with predefined measurement settings, alignments, reporting elements, and more.

Inspire is designed to simplify the measurement process, offering operators the functionality they need in a few clicks at every step of the process.

CAD import

Includes support for a multitude of CAD formats, providing useful features to manipulate CAD and CAD faces.



Select instrument

Provides a multi-functional interface for a large number of portable arms, total stations and laser trackers.



Alignment

Locates instruments and/or raw probed or scanned data to nominal entities using a variety of different alignment methods.



Feature measurement

Predicts the intended feature type based on geometric form and input given via the SmartFeature function.



Analysis

Addresses ASME and ISO standard GD&T requirements with support for native CAD annotations.



Reporting

Creates custom and dynamic reports including editable 3D drawings.



Inspire potential

In large-size measurement

The product of a wealth of engineering and spatial relationships expertise in serving large-scale manufacturers around the globe, Inspire can solve engineering challenges for large-size measurement effectively.

Assembly and build

Use Inspire not just for inspection but also for fixture setting and building applications. Live monitor with tolerances using customisable watch windows.

Instrument network

Easily align and bundle an instrument network using one or multiple devices with Inspire. This uses a weighted bundle with realistic network uncertainty calculations. Using this model, Inspire can greatly reduce error propagation associated with individual bundle operations. A network alignment also provides the ability to align the composite instrument network group to a nominal location.

Automation

Inspire provides a suite of automation tools used to preplan and/or perform new iterations of existing inspection, analysis and reporting features.



In diverse applications

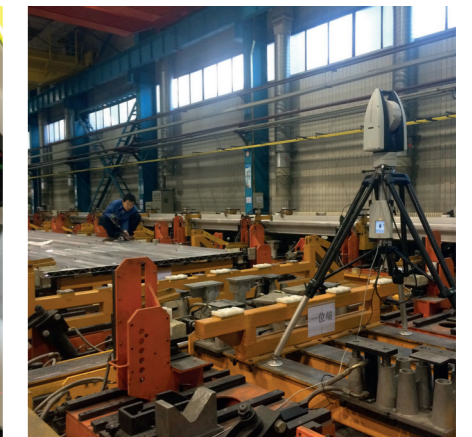
From small component inspections to large-scale multi-instrument networks, Inspire was developed to provide a comprehensive solution for various applications.



Portable precision GD&T measurement



Laser scanning for inspection and reverse engineering applications



Large part inspection



Tooling measurement



Assembly and calibration





Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Manufacturing Intelligence division provides solutions that utilise data from design and engineering, production and metrology to make manufacturing smarter. For more information, visit hexagonmi.com.

Learn more about Hexagon (Nasdaq Stockholm: HEXA B) at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).

