Inspection Flow

An intelligent platform for manufacturing lifecycle

Centralize, connect inspection and quality data to deliver a reliable statistical insight. Enable informed decisions at every stage of the manufacturing lifecycle.

Streamline Data Quality

Integrated Quality Process

Scalable Information Backbone

metrologic dcs™

Part of Sandvik Group

Three pillars of intelligence

Built to bridge the gap between raw data and actionable manufacturing insight.

It transforms raw metrology results into statistical insight, feedback loops, and learning across engineering, quality, and manufacturing.

Streamline Data Quality

Consolidate scattered metrology data into a unified, governed pipeline. Eliminate manual handoffs and ensure every measurement is traceable, validated, and ready for analysis.

Integrated Quality Process

Enable continuous feedback loops between design, manufacturing, and inspection. Close the gap between intent and outcome with real-time statistical process insight.

Scalable Information Backbone

A flexible architecture that grows with your operations. Connect any measurement system, scale across plants, and maintain a single source of truth for quality intelligence.

What makes it different

WHAT IT IS:

- **Central intelligence layer connecting measurement to optimization.**
- **Statistical insight engine for governed decision-making.**
- **Feedback loop enabler across design, process, and quality.**
- **Connectivity backbone for heterogeneous metrology systems.**

WHAT IT BREAKS:

- ✕ **Scattered Measurement data across tools, machines, sites, and programs, relying heavily on manual processes to centralize it.**
- ✕ **Manual and local statistical, with limited visibility and often available only after issues occur.**
- ✕ **Underused and siloed existing statistical capabilities, making them inaccessible to many teams.**
- ✕ **Limited teams visibility from consistently optimizing quality.**
- ✕ **Slow or informal feedback to design and manufacturing, often depending on individual expertise rather than structured processes.**

Transforms metrology data into manufacturing intelligence

Inspection Flow is governed decision hub, made to manage a large volume of measurement data, and optimize inspection projects collaboratively:

Centralize your 3D data management

- Federates measurement data storage from all Inspection Software
- Centralize multi-site, multi-machine, multi-program projects
- Review reliable data without manual consolidation

Monitor actionable dimensional trends & real-time statistics

- Apply statistical and analytics at scale to resolve manufacturing issues
- Understand measurement context: tolerances, criticality, inspection intent
- Decide quickly, thanks to real-time actionable insights

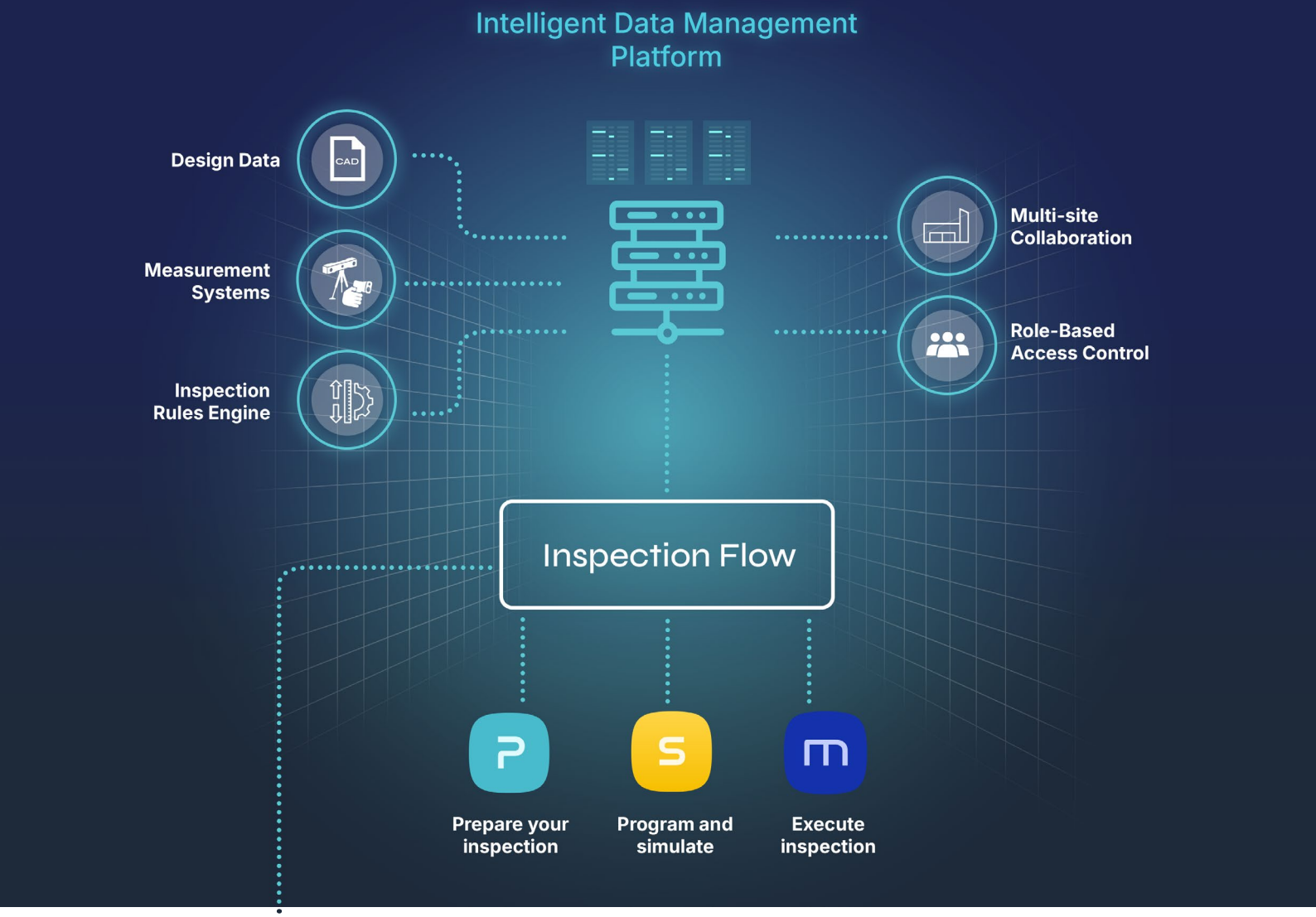
Enhance inspection projects collaboratively

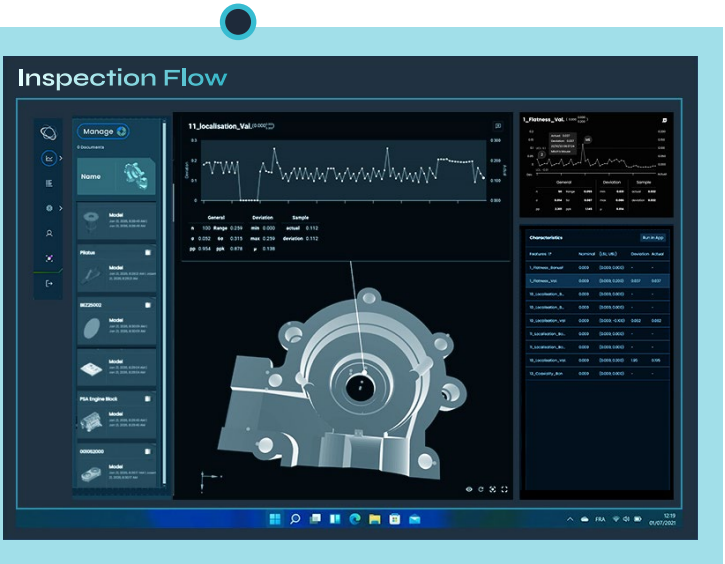
- Collect feedback and learn across quality, process, and design functions
- Discuss dimensional issues with colleagues from other departement
- React, edit, prevent simultaneously, ensuring continuous systemic

Benefit from a scalable platform

- Integrate a unique, extensible, and interoperable platform
- Easily Connect the platform to your tool ecosystem
- Leverage from advanced manufacturing intelligence process

An intelligent platform for manufacturing lifecycle





Manage the complete inspection workflow:

1. **Login & role-based** access to the inspection environment
2. **Launch inspection software**, access the CAD and measurement database
3. **Collect inspection data** from measurement process and devices
4. **Analyze results** with reports and statistics
5. **Close the loop** with production to correct and improve the manufacturing process

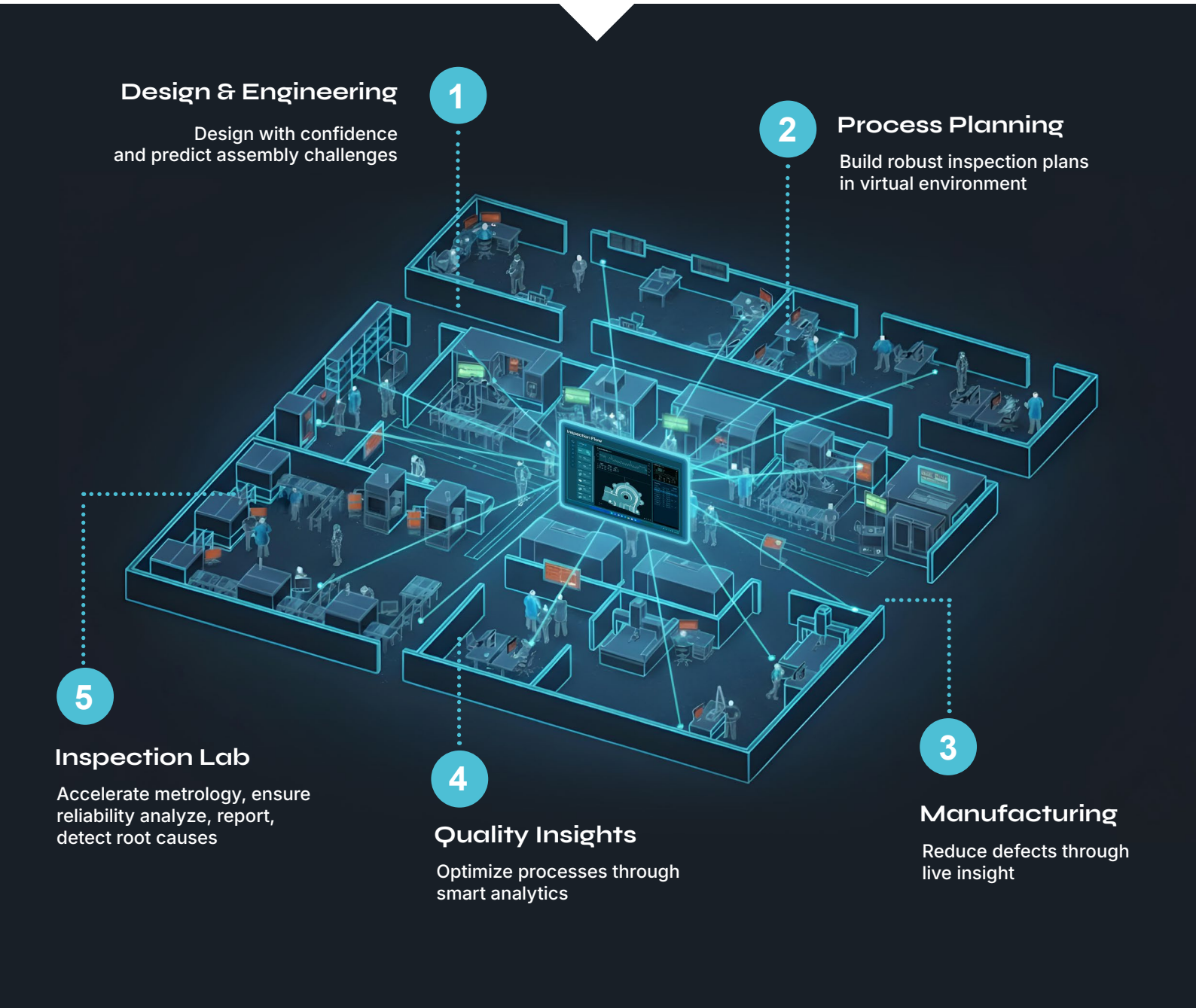
Closing the Quality Loop, from prediction to prevention

Data Foundation
Results from all Metrologic DCS software solutions, multi-machine, and traceable.

Contextual Understanding
Awareness of feature tolerance, criticality, and inspection intent.

Data Analysis
Advanced SPC and capability analysis to understand variation and stability.

Learning & Decisions
Early risk detection and systemic feedback to engineering.



IT and security compliance for a smooth integration

Inspection Flow Paltform is built to meet your enterprise-grade IT and security standards, ensuring secure access, data protection, and operational continuity.

- **Web-based application**
- **Single sign-on**
- **Role-based access control**
- **Secure-by-design architecture**
- **Centralized backups**

ON PREMISE INSTALLATION

Keep full control over data, infrastructure, and security from day one.
Inspection Flow platform integrates directly with your existing IT environment and shop-floor systems, ensuring stable performance and fast access to inspection data without relying on external connectivity.

HYPERVISOR

- KVM
- Hyper-V
- VM-Ware

RESSOURCES

For Simple set up	For Redondant set up
3VM	6VM
16vCPU	32vCPU
29 GB RAM	71 GB RAM
70 GB for application Storage	130 GB for application Storage
100 GB for data storage	200 GB for data storage

KEY BENEFITS & OUTCOMES

One intelligence plateform for data driven-decisions

Faster insight into quality and process variation

Earlier detection of risk and deviation

Reduced scrap, rework, and inspection effort

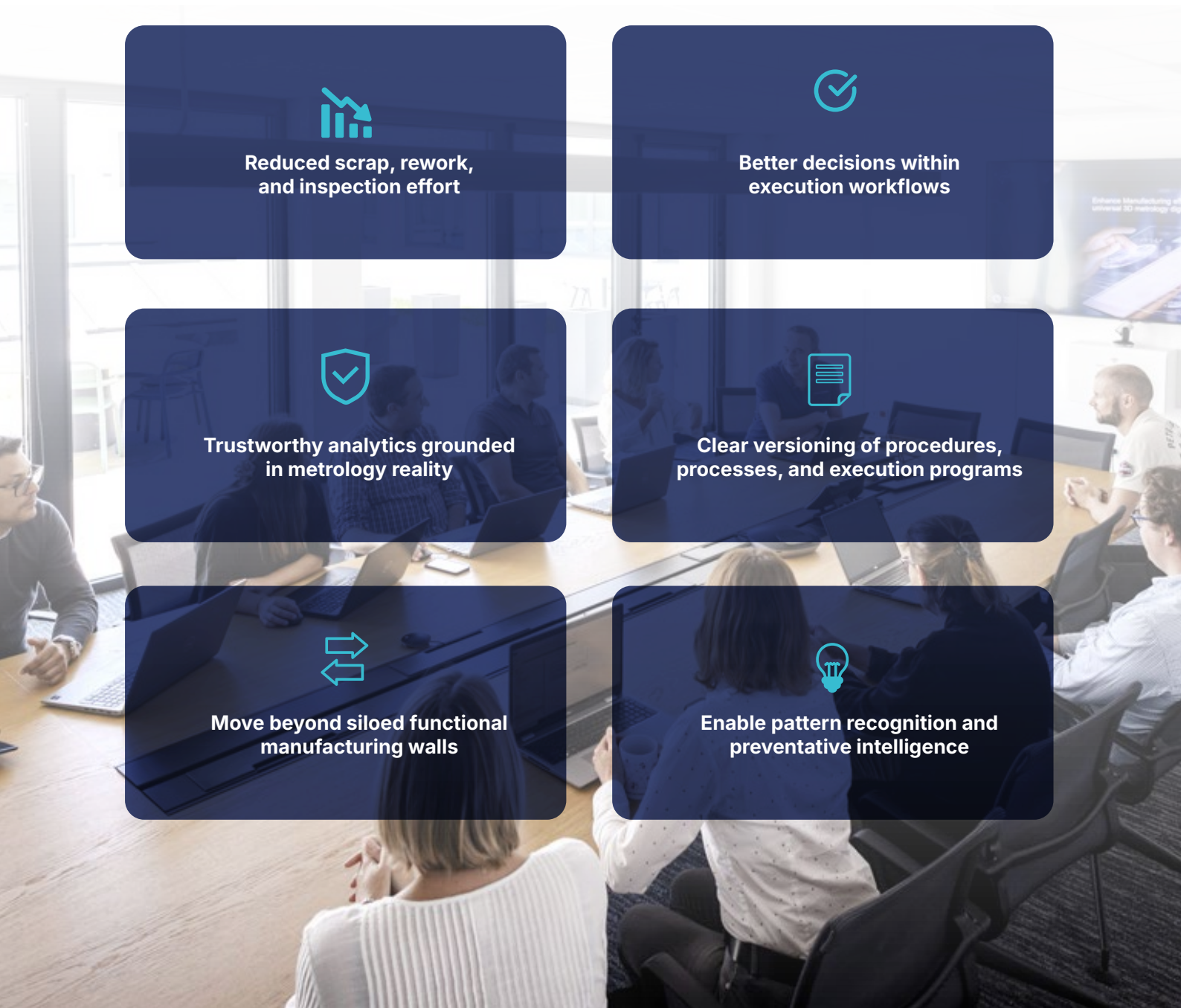
Better decisions within execution workflows

Trustworthy analytics grounded in metrology reality

Clear versioning of procedures, processes, and execution programs

Move beyond siloed functional manufacturing walls

Enable pattern recognition and preventative intelligence



From data to decision

A seamless pipeline from raw measurement to governed, actionable intellignece.

Metrology Data
CMM - Scanner - Gauge

Inspection Flow
Govern – Analyze - Learn

Manufacturing Insight
Optimize - Predict - Act

Inspection Flow

Ready to connect your quality intelligence?

See how Inspection Flow bridges the gap between measurement data and manufacturing optimization.

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