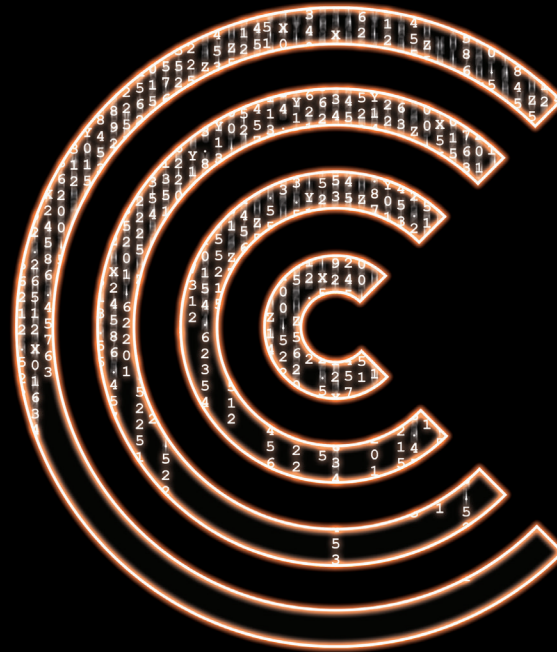


# Accurate actionable data

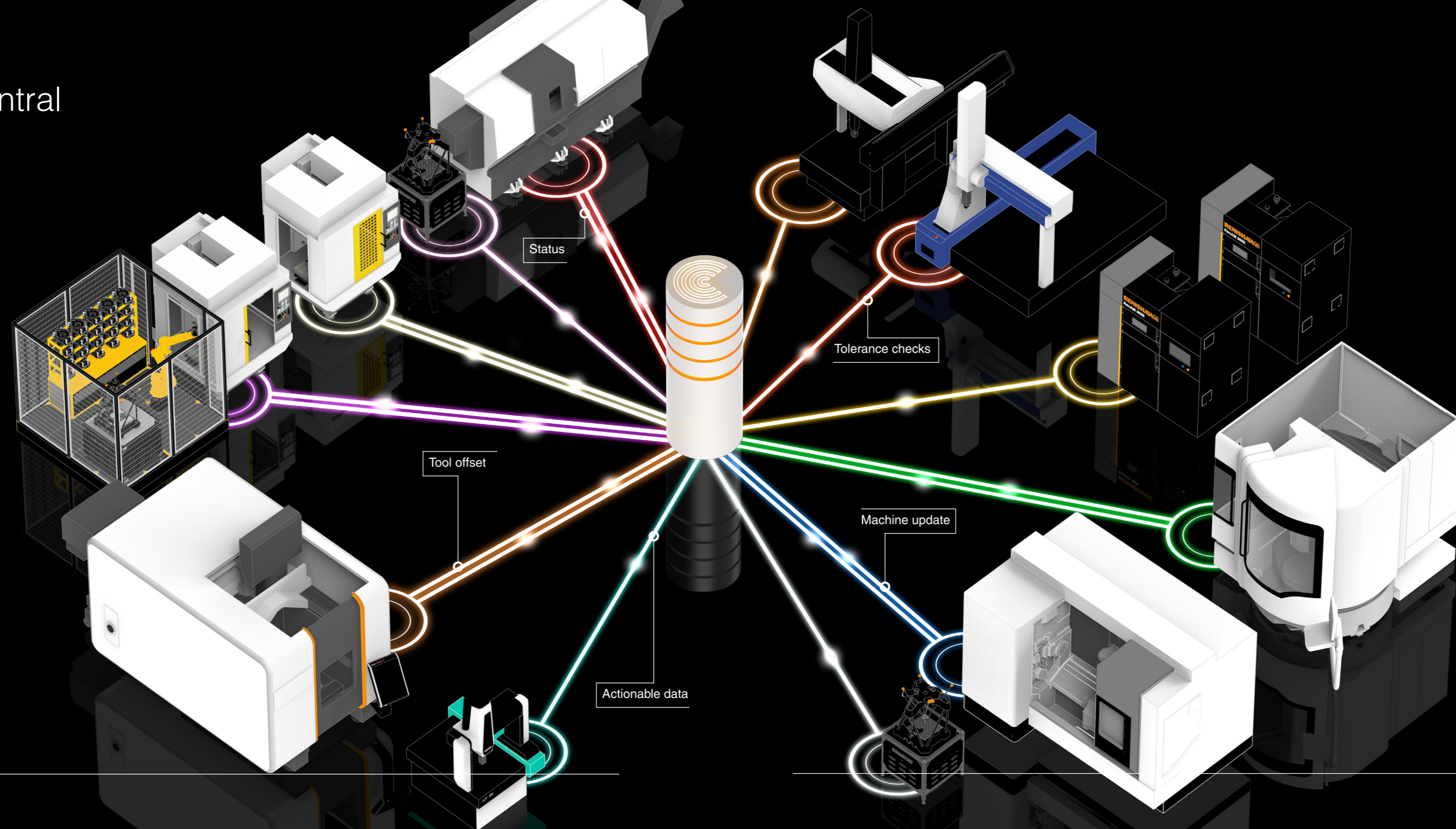


Connectivity • Consistency • Control • Confidence

# Introducing Renishaw Central

A manufacturing data platform providing:

- Connectivity
- Consistency
- Control
- Confidence



In manufacturing, the goal is to optimise productivity and quality while lowering costs and increasing output.

We developed Renishaw Central through a need to digitalise end-to-end manufacturing operations within our own production facilities.

Renishaw Central allows you to develop a robust system architecture on the shopfloor. It gives you the ability to interrogate data at the asset level, providing valuable insights.

Renishaw Central provides in-depth analytic features that consolidate real-time data as reports and has helped us revolutionise our own production facilities. It is time to find out how it can do the same for you.

## Connectivity



Connect multiple machines and devices to automatically detect which machines are running and determine why idle machines have stopped. Renishaw Central is an on-premises platform which provides real-time data.

- Trace changes in manufacturing processes and access data for root cause analysis.
- Access in-depth analytical features that consolidate real-time data as reports.
- Combine utilisation and quality metrics across your factory and turn them into actionable data.
- Collect and use inspection and status data from multiple connected devices, including co-ordinate measuring machines (CMMs), Equator™ gauging systems, machine tool probing systems, and tool setters.
- Collect and use status and sensor data from additive manufacturing (AM) systems.
- Benefit from interoperability with third-party solutions.

## Consistency



Monitor data from connected devices from a central location and increase quality throughout the entire manufacturing process.

- Collect measurement data from metrology equipment provided by Renishaw and other suppliers.
- Reduce variability by monitoring live quality data and enabling process updates.
- Achieve practical improvements to throughput using actionable data, enabled by patented Intelligent Process Control (IPC) software.
- Understand the actual status of assets and review historical data to make informed decisions based on facts.
- Read and process data from simultaneous operations throughout production, allowing consistent comparisons over time.

## Control



The ability to control variables and obtain knowledge over a long period of time can provide insight into your entire manufacturing process; today, tomorrow and at any point in the future.

- IPC monitors and calculates which tool offset updates should be applied using customer-defined parameters.
- IPC allows data to be actioned and enables you to implement practical process control.
- IPC dramatically cuts process set-up times on lathes.
- IPC automatically calculates adjustments to send to corresponding tool offsets or variables on any connected CNC machine.
- Map from various measurement programs down to feature and characteristic level, and includes many optional adjustment parameters.
- Add tool update limits, adjust targets, and add statistical process control limits to machined features.

# RENISHAW



## Confidence



Build confidence in your manufacturing process and realise the true benefits of lights-out machining.

- Compare efficiency, accuracy and quality across jobs, machines and manufacturing sites.
- Centralise data from different operations, work centres, systems and working environments.
- Reduce manufacturing downtime of machines by proactively identifying issues.
- Quality metrics allow you to make an informed diagnosis of your approach to process control.



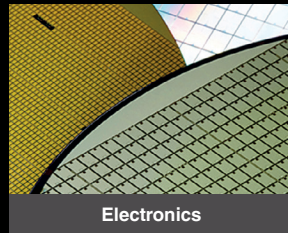
Benefit from accurate, actionable data by visiting [www.renishaw.com/central](http://www.renishaw.com/central)

## Applying innovation since 1973

Renishaw is one of the world's leading engineering and scientific technology companies, with expertise in precision measurement and healthcare.

Our worldwide network of subsidiary companies and distributors provides dedicated global customer support, wherever you are.

### Our principal markets include:



[www.renishaw.com/central](http://www.renishaw.com/central)



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