

# Seiki AIR WIP Booking

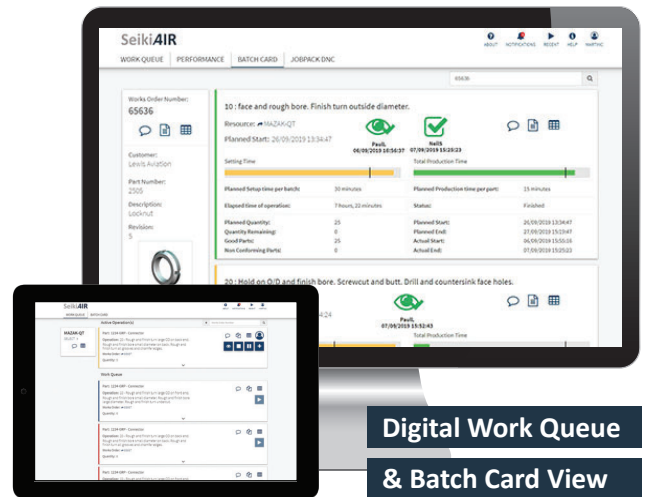
# Shop Floor Data Collection



## Live Works Order Progress Tracking

Seiki AIR WIP Booking supports transparent, frictionless works order processing. Tracking the live progress of each active operation delivers insight into the shop floor adherence to plan, helping to improve your on-time delivery performance.

The system has been specifically designed with shop floor users in mind. The interface is uncluttered, easy to navigate and simple to learn, enabling operators to complete their daily work activities with minimal effort. Our goal is to make it straightforward for users to enter accurate, consistent production data that is of real benefit to your business.



### INTEGRATE

Seiki AIR WIP Booking works out-of-the box with the Seiki Scheduler or with your existing APS/ERP/MRP systems via a configurable interface, automatically exchanging customer and works order information for a dynamic, real-time connection between shop floor and top floor operations.

### Advantages

- Improve operational efficiency by understanding performance down to the individual operation
- Reduce administration time and costs with paperless processing
- Simplified and streamlined data capture process to reduce data entry errors
- Capture the time attributed to works orders supporting more accurate job costing
- Improved communication, shared information and increased visibility to drive on-time delivery performance

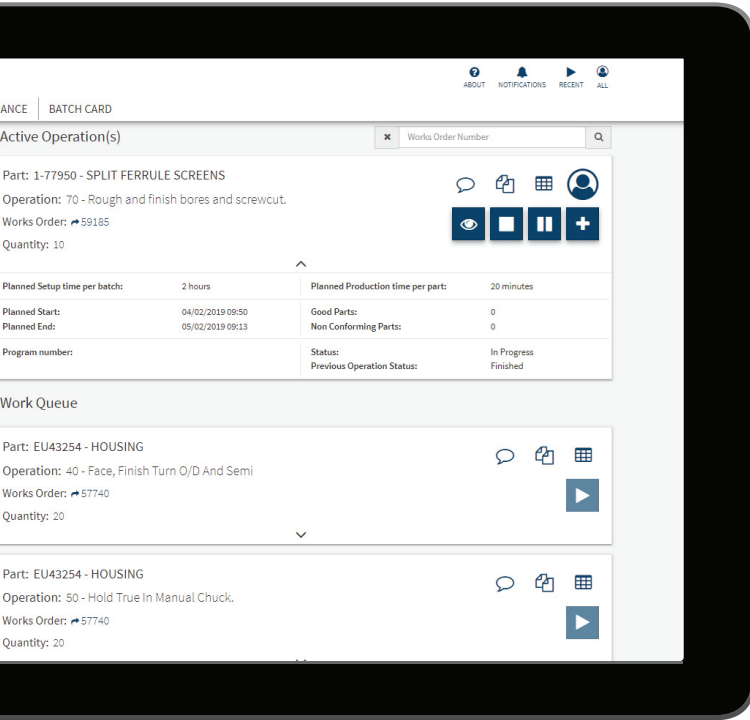




## PRIORITISED WORK QUEUE

Driven by the works orders released from the Seiki Scheduler or third party system, Seiki AIR delivers a dynamically updated, prioritised work queue for each resource to the Operator on the shop floor enabling them to confirm the start, pause and finish

of operations. This increased level of detail ensures that companies are able to work in a more dynamic, collaborative and priority driven way by aligning people and processes.



## WIP Booking

The Operator is able to confirm the start and completion of each operation. Depending on your system configuration, the WIP bookings will also dynamically update the operation status in your scheduling system and can also be transferred to your ERP system.

## Part Count

The quantity of parts produced can be updated progressively during the batch, at the end of the shift, or entered upon completion. Users are able to enter reasons for non-conformance to help identify improvement opportunities for eliminating errors and reducing waste.

## Delivery Date Adherence

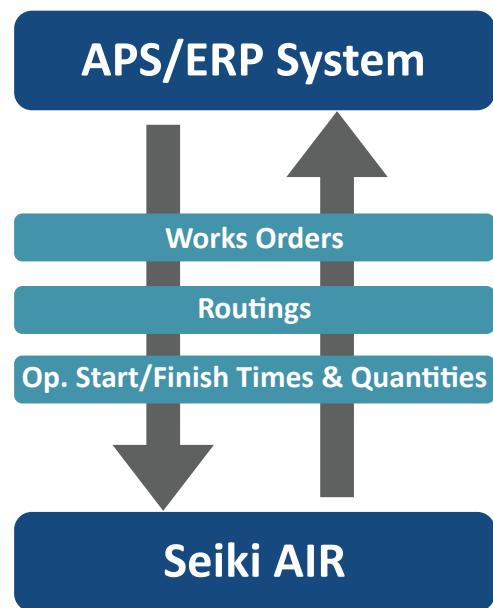
The work queue provides users with forward visibility of the planned workload for each resource. Each operation panel contains critical targets defined in planning, including planned batch setup and part production times, start and finish times, and the works order due date. Access to this data supports informed decision making and the ability to make a direct contribution to on-time delivery performance.

## FRictionless WORKS ORDER

## PROCESSING

### Additional Features

- Optional rippling logic prevents works order operations from being started out of sequence and validates the booked part quantities
- Prevents the completion of an operation that has a first off inspection outstanding
- Allows multiple operations to be started on a single resource
- Shared work queues for grouped resources
- All activities and user entries for resources, works orders and operations are captured and digitally stored in audit trails
- Attach external files to operations making them part of the batch record
- Users can add comments and view notifications such as when a non-conformance is raised



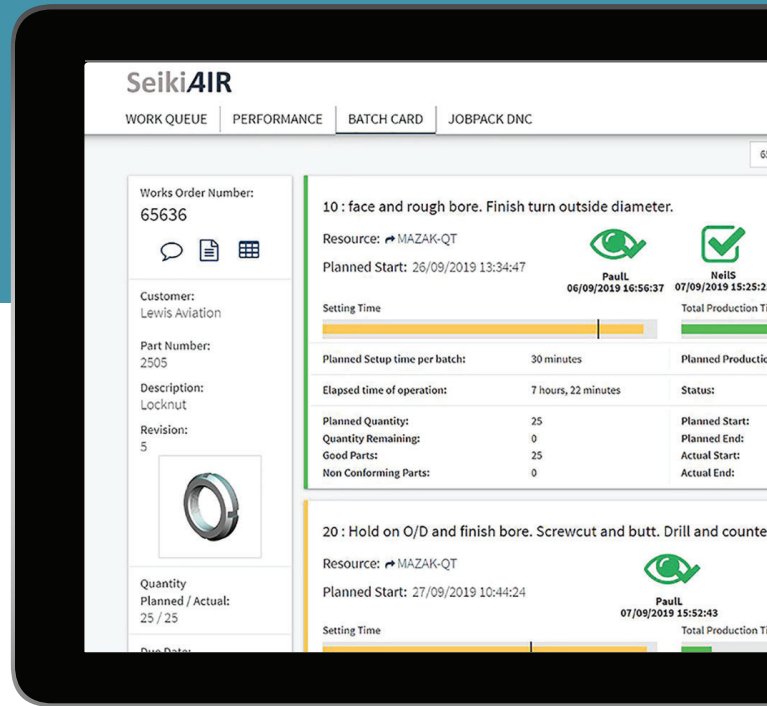


## DIGITAL BATCH CARD

The batch card details all the routing information, allowing the Operator to follow the overall production process for each works order, identify bottlenecks and understand the full sequence of events to manufacture the part.

### Traceability & Visibility

In addition to the audit trail, each operation on the Batch Card is graphically stamped upon completion with the username, date and time. This makes it easier for users to quickly identify completed operations and foreshorten time in production. Once the works order has been completed it becomes a complete, detailed historical record.



The Batch Card is enhanced with live Setting Time and Production Time progress bars when the Seiki AIR Monitoring module is licensed.

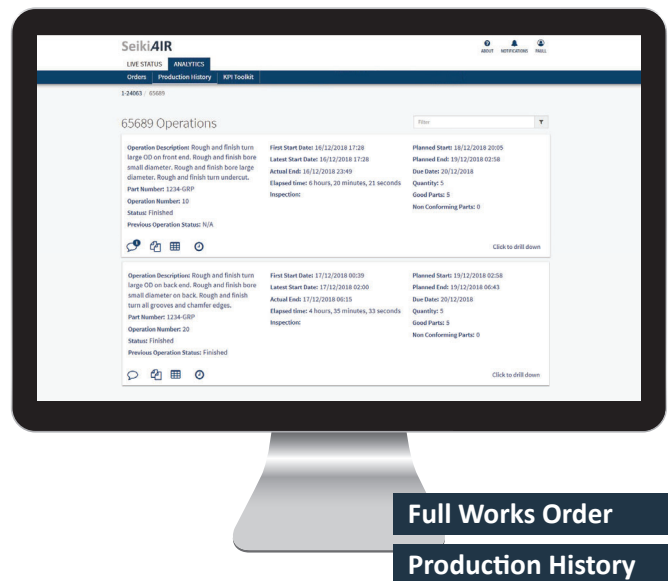
## QUICKLY VISUALISE ESSENTIAL INFORMATION

### Advantages

- Start to eliminate uncertainty in the choices that are being made by giving everyone access to complete, relevant information
- Co-ordinate activities to ensure equipment is available when required for operations to be started on time
- Out-of-the-box KPI Toolkit and reporting helps to drive faster decision making
- Track and analyse deviations between planned and actual operation times
- Leverage the data contained within ERP/MRP and/or APS systems and fill the gap where enterprise systems are typically less extensible
- Where changes to the workload or individual works order specifications can have significant consequences, the live, dynamic updating of the work queue with the latest priorities is a significant advantage
- Close integration with our other modules provides a seamless user experience - supporting the multi-tasking, multi-functional and time pressured demands of the modern manufacturing environment

## Production Performance Reporting & Analysis

The Seiki AIR WIP Booking analysis and reporting tools provide an easy method of accessing, viewing and summarising manufacturing performance data. It allows users to generate reports comprising of relevant management information based on real-time data collection.



Full Works Order  
Production History



## DATA ANALYSIS TOOLS

There are many ways of viewing and analysing data in Seiki AIR - Interactive performance charts and graphs that are embedded in the application; a KPI Toolkit that contains a number of standard reports, and with a report generator license your experienced

IT teams will be able to query the system's database views to build your own reports. The benefit of our reporting tool is the ability to deliver any bespoke reports that you require quickly and cost effectively. You will also benefit from any new standard reports via our software updates.

## Order Progress Tracking

View a week by week visual summary of the progress of each works order. The graphical progress bar indicates the status of each operation and whether full part quantities have been booked. It enables users to quickly identify orders that are planned or due to be completed late. When evaluated in conjunction with the order value (only available when imported from your ERP system) and any non-conformances, it's easy to focus your team's attention on critical priority jobs.

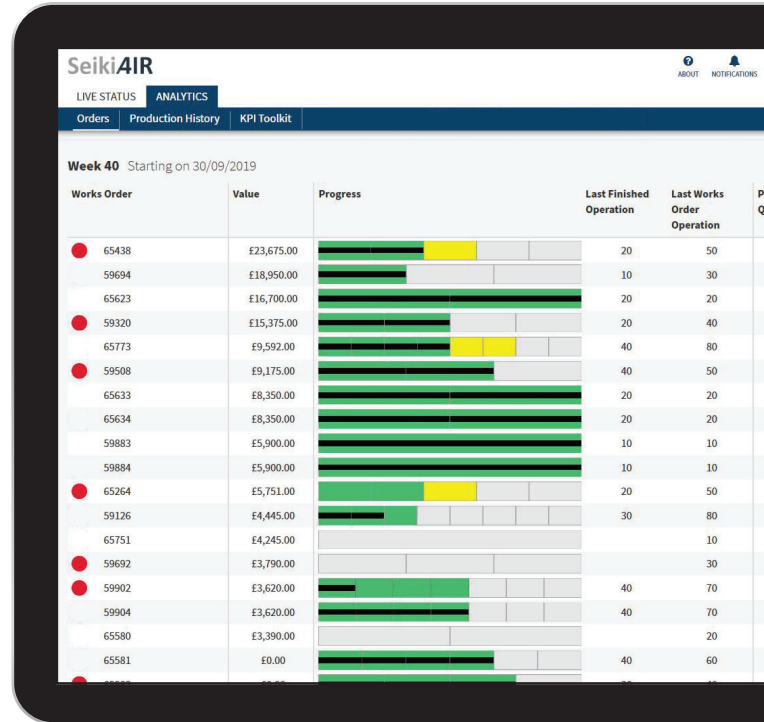
## Additional Features

- View the full production history of each works order
- Drill down to view specific operation details including documents attached by operators on the shop floor and any issues recorded through the comments facility
- Standard KPI Toolkit reports such as: Manufacturing time per Product and Due Date Performance
- Traceability of First Off inspections
- WIP Booking corrections facility



## TACKLE PRODUCTIVITY LOSSES

Enhance your solution with the Seiki AIR Machine Monitoring module for a complete picture of your shop floor performance. It provides greater visibility of the significant productivity loss causing events that are having the biggest impact on your throughput capability (potentially a quick win). Combined with your WIP Booking data, it is possible to also uncover and start to address the smaller, often more chronic performance losses. Together they also deliver the critical factors required to calculate OEE.



## DRILL INTO PRODUCTION

## ACTIVITIES

### About Seiki Systems

Seiki has been specialising in digital manufacturing solutions since 1992. Today our portfolio comprises of a suite of integrated software modules that deliver a live, visual and dynamic picture of the production process. Our production control and manufacturing execution solutions maximise the productivity of production equipment and plant resources by monitoring and managing the complete works order lifecycle.

We provide a complete service that includes planning, installation, implementation, customisation, training and after sales support. Our aim is to work with you as your strategic Industry 4.0 (4IR) operational manufacturing management solution partner to secure your return on investment and support your business as it grows.

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