

# Seiki AIR Jobpack DNC

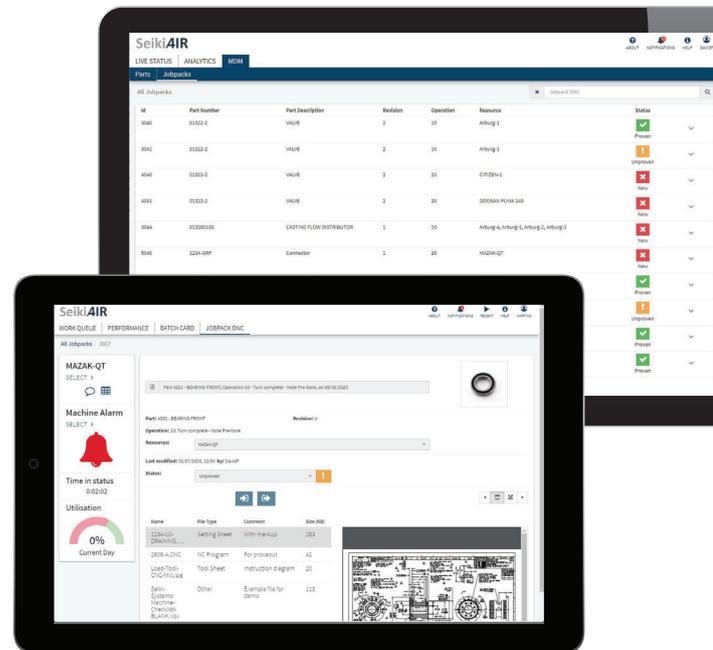
# Manufacturing Data Management



## Paperless Manufacturing & NC Program Transfer

Fast, effective, and easy to maintain shop floor communications are critical factors in the drive to eliminate waste and reduce non-value adding activities. Transitioning from traditional paper-based delivery and capture of manufacturing information to digital can help you make an even greater improvement through immediacy, accuracy and control.

Seiki AIR Jobpack DNC delivers more than just the networking of machines and transfer of NC programs. It provides shopfloor users with contextual manufacturing and production information in the form of digital Jobpacks for each operation, which helps to mitigate the risks and costs associated with using incorrect file versions. This seamless integration of DNC and manufacturing data management functionality provides users with everything they need to deliver a consistent product and service, whilst creating an information rich shopfloor that is adaptable and resilient to rapid change.



Shopfloor user screen shown here with Seiki AIR Monitoring and WIP Booking modules



### CONNECT

Seiki AIR Jobpack DNC supports industrial network connections via Ethernet (including protocols such as FANUC FOCAS and Heidenhain) or serial/RS232.

This flexible solution allows you to connect all your manufacturing resources, including legacy machines, so users can quickly and easily send and receive program files from any mobile device or PC.

Integrates seamlessly with Seiki AIR WIP Booking and Monitoring modules for a complete operations management solution.

### Advantages

- Centralised storage of your manufacturing documentation
- Instant access to comprehensive production information, including NC programs, to support knowledge transfer and improve efficiency
- Ensure only the latest, approved file versions are used to avoid costly errors and avoid scrap/re-work
- Simple administration of Jobpacks makes the transition to paperless faster and easier
- Role and permissions based user access control



## CENTRALISED MANUFACTURING INFORMATION

The system enables you to organise and administer production data and documentation related to individual parts and operations. We can carry out a customised one-off import of your existing parts, operations and folders and files to automatically generate digital Jobpacks. The system can also be interfaced to the Seiki Scheduler, to dynamically

update part and operation records. The file structure in AIR guarantees that any files or documents that have been attached to a part record are automatically available to all linked operations. This reduces administration time and makes changes faster and easier by updating multiple records simultaneously, which is critical when you might have multiple routings for each part.

### Digital Jobpacks

Users with an Engineering role can create digital Jobpacks for each operation to deliver all production data and documentation paperlessly to the operator on the shopfloor. Instantly providing users with all the information they need to complete an operation supports compliance and traceability, minimises the need for unnecessary checks and increases operational efficiency.

- Add files such as CAD drawings, simulation videos, images, job cards, tooling sheets, NC programs, etc.
- View file version history and access previous versions of documents and files as required
- Enrich meta-data by adding user comments to files
- Assign Jobpacks to resources
- Side by side comparison of NC programs
- The facility to up-issue parts makes it faster and easier to administer multiple Jobpacks simultaneously
- All users can preview supported files directly in the Jobpack or export documents such as Word or Excel

### File Status and Control

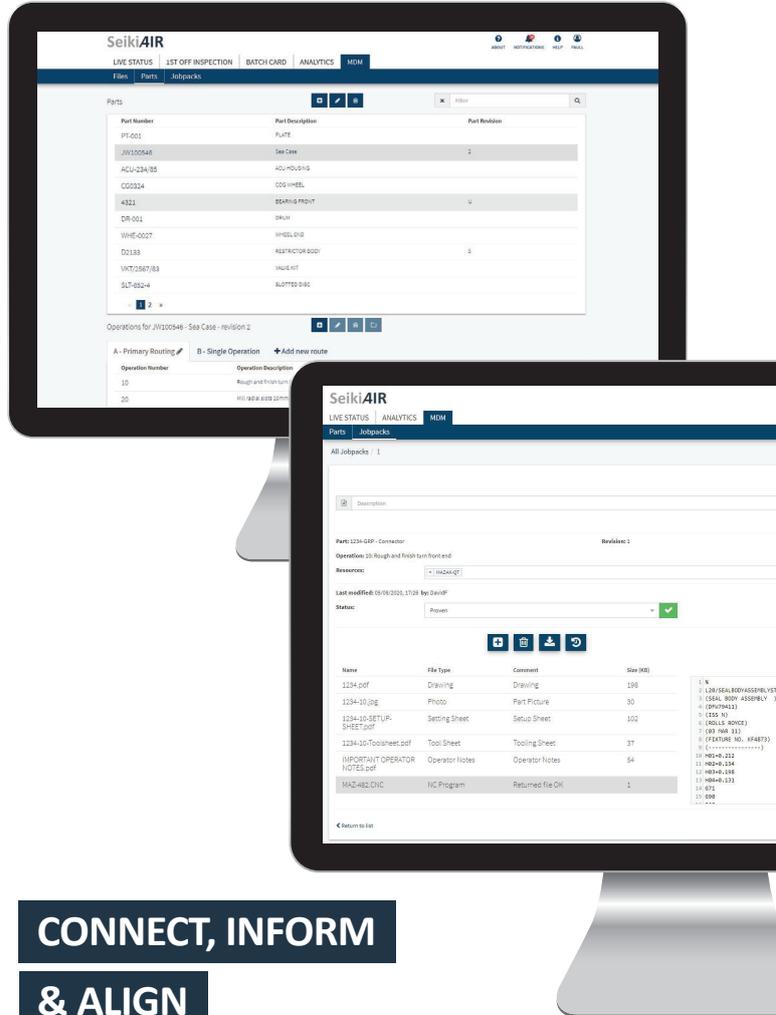
The Jobpack file status, in conjunction with user permissions, controls access to and use of unproven files and programs by operators on the shopfloor.

- User roles determine who can create, edit/reject, delete or approve Jobpacks and files
- User permissions determine who can view Jobpacks and transfer unproven program files
- Track machine actions, file transfers, and Jobpack changes in the audit trail

### Send and Receive Programs

On the shopfloor, we've made it even easier for operators to find programs. There is no need to search through explorer style files and folders. Each resource displays a searchable list of released Jobpacks that are available for selection. If you have the Seiki AIR WIP Booking module a Jobpack can also be accessed directly from the linked operation panel on the Work Queue. Critically, this ensures only approved programs are sent to the machine by users with the appropriate resource and file access permissions.

- Select and send program files from any device
- Multiple simultaneous file transfers
- View the live progress of a file transfer on-screen
- Upon receiving a returned program, the Jobpack file status is automatically changed to prevent unauthorised user access to unproven files and flags them as "Returned" for a supervisor or engineer's approval



## CONNECT, INFORM & ALIGN

### 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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