



Seiki Direct DNC

Seiki Systems has over 20 years experience in the development and provision of CNC communications and NC Program management software. Seiki DNC is a robust and complete solution that offers reliable and efficient CNC communication across all CNC resources.



Seiki DNC is available in two levels of software to ensure that we can provide a solution that is suitable for your requirements.

What is Seiki Direct DNC?

Seiki Direct DNC is a shopfloor communications solution designed to facilitate controlled transfer of NC files.



- Easy to use - no shop DNC terminal required
- CNC screen used to call programs
- Return machine tool edited programs
- Generates log book of all transfers
- Easy upgrade path to meet your changing requirements
- Supports hardwired RS232 communications only on LAN & WLAN infrastructures

Seiki DNC software is available as a stand alone solution or as an integral part of the Seiki NMS system. Packages include:-

- Seiki Jobpack
- Seiki Monitoring
- Seiki SFDC
- Seiki NMS

The modularity of Seiki software provides manufacturers with a flexible solution and progressive upgrade path.

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Optimising production efficiency is key to remaining competitive in the current manufacturing environment. Taking a lean approach to manufacturing means eliminating waste and reducing non-value adding activities for which fast, effective and simple shop floor communications are key.

CNC Communications

Seiki Systems Direct DNC system has been specifically developed to meet the requirements of CNC users who require access to NC Programs without the need for a dedicated DNC terminal or PC sited next to the machine tool.

Direct DNC is typically our lower cost solution due to the relatively small installation and hardware investment required. It comprises of a single or multiple host PCs configured with local or virtual serial ports sufficient to support the machines installed with the host. NC Programs are filed on the shopfloor host PC platform (non-server OS), thus providing a more efficient method of working using fast and reliable file management that will ultimately help reduce errors.

The system uses the CNC panel to call programs to the machine tool, return machine tool edited programs and transfer other files, e.g. sub-programs, tools offsets, etc. via RS232 communications. A log book automatically records the time and date of each transfer.

The Seiki Editor, which is included with the system, can be installed on the shopfloor Host PC and enables NC Programs to be easily compiled/edited and quick line by line comparisons made between original and modified files.

Additional features

- Fanuc Data Server Support provides the automatic routing of files to facilitate the download of a composite NC Program (includes composite file return for comparison)
- Operators are able to view the contents of the remote PC directory on the CNC screen (ideal for work queues or operator instructions)
- Program Return Verification enables operators to receive a confirmation of a returned programme, eliminating the need to walk to the PC to check.
- Multi port RS232 serial devices enable simultaneous requests from each CNC machine.
- Each Direct DNC host PC will support up to 32 machines.



Creating an immediate, visual and dynamic picture of the entire manufacturing process