

Features and Highlights

Explore our **Best-in-Class** **DNC Solutions**



 **eXcellerant**
Collaborative Manufacturing™ **DNC**

 **TRIMECH**



Modern NC File Management

Excellerant DNC connects your entire shop and provides a central portal for storing, transferring, and maintaining your NC files.

Our DNC software and hardware are designed to make every part of your NC file management faster and easier.

Transfers are as simple as tapping “send” on CNC mounted tablets, and **revision control is automatic**, with one-click code comparison and built-in file archives.

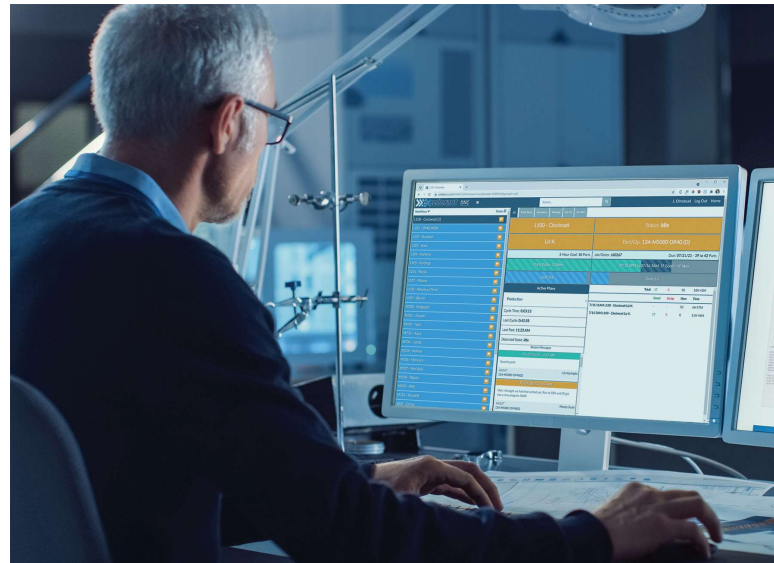


Simple, Yet Powerful Design

Excellerant DNC's modern interface scales perfectly to both desktops and tablets, with relevant tools and feature-sets for both.

Our desktop portal is **built with CAM programmers in mind**. Using a centralized database, programmers have complete control to **add, view, and update their NC files in real-time**.

We make it easy to see when operators made code changes on the shop floor, and our **one-click code comparison** pairs perfectly with our built-in NC editor.



Our “Shop Floor Interface” is **completely touch-accessible**, which makes it perfect for mounting tablets to each CNC machine.

Machine operators have immediate access to the latest NC files for their job, and **transfers are as simple as tapping send**.

Whether sending files to a modern CNC, or an older legacy machine, operators use the same simple interface for both.





Automatic Revision Control

Excellerant DNC ensures you're always running the latest versions of your NC files.

Only the latest files are available on the shop floor, and **older revisions are automatically archived in storage.**

Our revision control process is fully compliant with major OEM requirements, as well as top quality and defense standards, such as ISO AS9100, 13485, 9001, and CMMC.

1 Capture

Excellerant DNC **captures code adjustments made by operators** during production, flagging the edited NC file for review.

2 Review

Programmers use our **one-click comparison tool** to review the file, which highlights NC code changes line-by-line.

3 Adjust

Quick edits are made with our **in-browser NC editor**, or files can be opened in your favorite external editing program.

4 Approve

Once changes are approved, your updated NC file is available across your shop, and **the original file is safely archived** for future reference.



Network Your Entire Shop

Excellerant DNC unifies your entire shop in a secure network, compliant with both CMMC and NIST standards.

All of your CNC machines, CAM workstations, and operator tablets are networked together to ensure **your NC files are available everywhere in your shop.**

Our machine connection hubs are **plug-and-play ready** for both modern CNCs and older serial protocols.

Whether you want to expand an existing wired DNC network or add a **wireless DNC adapter** to an older RS232 connector, we have the equipment and experience you need.

Simplify Deployment

Deploying new client devices, such as CAM workstations and operator tablets, is **as simple as opening a browser.**

New programmers and operators can be added at any time, with individual permission settings. You can even **group your CNCs into cells**, so users only see the machines they are responsible for managing.



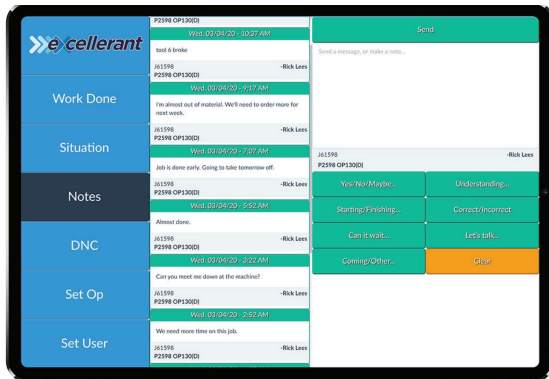
Excellerant DNC connects to your existing ERP and MES systems.

We have **out-of-the-box paperless integration** with several ERP systems, helping you streamline your entire manufacturing process.

Specialty equipment and custom software can be **integrated via our Open API.**



Context-Aware Chat System



Included with your Excellerant DNC license is access to our **shop-wide, context-aware chat system**.

DNC operators and programmers use this powerful communication tool to relay job information, request support, and **keep both the shop-floor and top-floor updated**.

Machine, part, and operator information is automatically included with each message and is integrated with your ERP to automatically include job information.

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“By creating a direct line between the office and the shop floor, Excellerant’s chat system helps our operators stay focused on the task at hand

It reduces the time they spend searching the shop for information, helps them relay concerns, and work through issues with senior staff.”

- Jeff Cunningham, McMellon Bros., Inc.



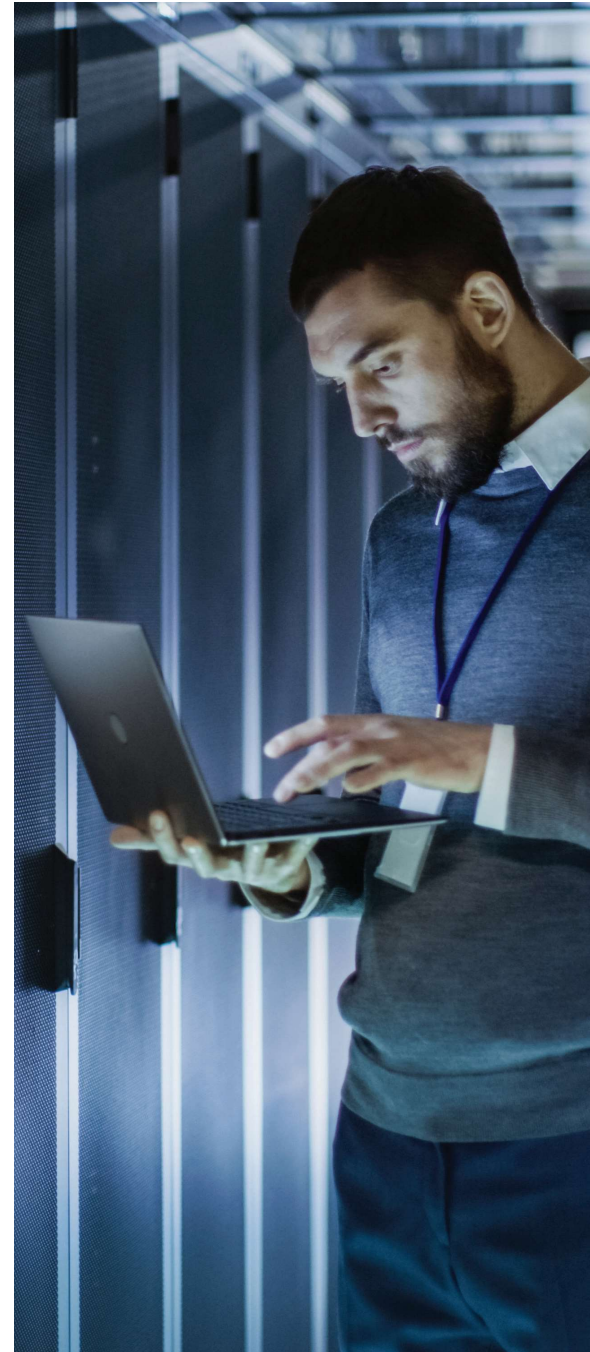
Advanced Operations and IT Tools

Excellerant DNC is simple to deploy and manage across your organization.

Excellerant runs as a **browser-based application** hosted locally or in the cloud. This makes client deployment as simple as opening a browser on their new device.

Unlimited users can be added at any time, without any additional fees. We synchronize with Microsoft Active Directory to ensure user **permissions are simple to manage** and consistent across your entire network. Ensuring **compliance with security standards like CMMC** can be challenging, but Excellerant makes it easy.

Excellerant offers **best-in-class tools for troubleshooting and diagnosis**. These include per machine event logging, automatic problem detection, and graphical connectivity timelines. And, as an optional feature, you can enable **off-site configuration backups** to ensure quick recovery times in case of a server failure.





Upgrade to Our Advanced Machine Monitoring Platform

Excellerant DNC is available as an **independent stand-alone license** and utilizes the same lightning-fast and secure hardware as the rest of our Excellerant platform.

With a strong DNC network in place, **upgrading to our advanced machine monitoring license** can be done at any time.

Our DNC and machine monitoring solutions are **tightly integrated** and allow for seamless data synchronization within **the same familiar interface**.



Not ready to implement a full Industry 4.0 solution?
Excellerant DNC is a great way to get started, with a clear upgrade path for the future.