

Tool Data — From Presetter to CNC — Automatically >>>

ToolConnect turns your tool loading and management process into an automated, reliable, and measurable system — eliminating manual data entry, stopping tool errors before they happen, and unlocking higher utilization from your CNC fleet.

Automate tool data management from presetter to CNC with scalable, customizable process control — No data entry required!



Reduce setup
and cycle times



Increase machine
utilization to
maximize productivity



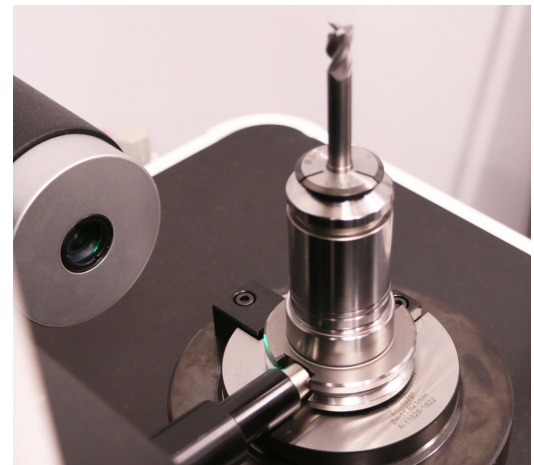
Eliminate costly
errors from manual
tool data entry

The ToolConnect Advantage

Every tool in your shop carries critical information — geometry, wear, offsets, and life data. Traditionally, this data lives in paper cards, spreadsheets, or in operators' heads. That's where errors, scrap, and downtime begin.

ToolConnect removes that risk by:

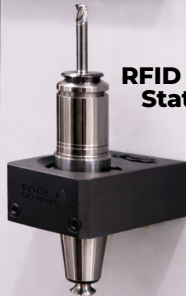
- > Automatically transferring presetter-measured tool data directly into the CNC control — no manual entry.
- > Verifying correct tool identity before machining begins.
- > Reducing setup time and unnecessary machine idle.
- > Providing a unified interface across all machines and controls.
- > Giving supervisors real-time visibility into tool condition, life, and location and a customizable HMI to guide user interaction.
- > Preventing costly data entry errors that can lead to scrap, broken tools, or machine crashes.
- > Adapting to your existing tool load process — automating and enforcing it without redevelopment.



ToolConnect HMI



RFID Read Station



RFID Advantage: Tool data lives on the holder – updated at the machine and readable anywhere.

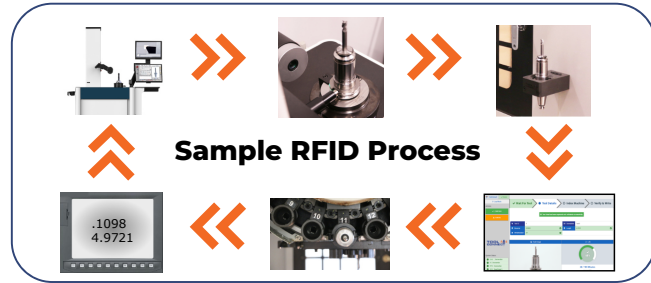


How It Works

ToolConnect automatically transfers verified tool data from your presetter to the CNC – eliminating manual entry and preventing setup errors before the first cut.

Using RFID-enabled tool holders or 2D barcode scanning – tool geometry, wear offsets, and life data are written directly into the control at the machine.

No typing. No transposing numbers. No guesswork.



Beyond Data Transfer

ToolConnect doesn't just move tool data – it enforces and standardizes your setup process.

- **Operator-Guided Process Control:** Custom screens guide operators through defined steps, show process status, and verify successful completion
- **Error Prevention:** Ensures the right tool, right data, right process—every time
- **Fully Scalable and Customizable Workflows:** Add steps, enforce requirements, and modify processes or features at any time
- **Complete Audit Traceability:** Every step, action, user interaction, and data exchange is logged with date and time stamps
- **Real-Time Tool Visibility:** Track tool life, location, and status centrally
- **One Interface. Every Machine.** ToolConnect interfaces with most CNC controls and works with RFID or barcode enabled presettlers –standardizing the user experience across your entire shop.
- **Built for Automation:** Integrates seamlessly with manual tool loading or robot-loaded automation cells.

Take Control of Your Tooling Process

ToolConnect closes the gap between presetter and CNC – automatically transferring verified tool data where it matters most.

Learn More:

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AUDIT LOG		
Routine		
Name Load Tool - RFID / Tool Number 16		
Selected from Routine Flow Operations		
01:23:25 PM	Routine Started	
01:22:47 PM	Screen Displayed	User interface / waitingForTool
	Information	Operator
		Screen "waitingForTool" was displayed to the user interface.
01:22:47 PM	Routine Step "Wait for Tool"	
	Information	Operator
		Planning routine step Wait for Tool (1/4)
01:22:47 PM	Read Tag	
	Information	Operator
		Tag at read station "Head 1" was processed successfully.
	Target	Value
	Assembly	0124450789
	Diameter	506.361
	Length	5.3002
	Diameter	0.0655
	Tool Number	16
	Offset Number	16
	Life	100
	Used Flag	0

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