

STREAMLINED AUTOMATION FOR YOUR MANUFACTURING PROCESSES

MiConnect Technology is flexible application builder used by our integration specialists to create custom automation and process control solutions that are unique to a manufacturer's operations. We use this technology to connect devices and operations on a shop floor, automate and simplify manufacturing processes, data interchange, and to guide operator flow. These customized applications allow manufacturers to gain total control of their processes to eliminate error and increase productivity.

How Can We Apply MiConnect Technology to Your Operations?



MACHINE TENDING

Provides a direct interface for automation systems to communicate with the CNC control



EXTRACT DATA

Extracts any required information from a machine control



EXTERNAL DEVICE INPUT

Allows input from RFID badge readers, barcodes, files, network systems, and more



MINIMIZE OPERATOR DECISION MAKING

Makes programmed decisions based on condition results without operation intervention



READ AND WRITE CNC CONTROL REGISTERS

Reads and writes system parameters, variables, offsets, and PLC registers



CONTROL HUMAN PROCESS INTERACTION

Guides the user through the proper operational steps and verifies success before proceeding



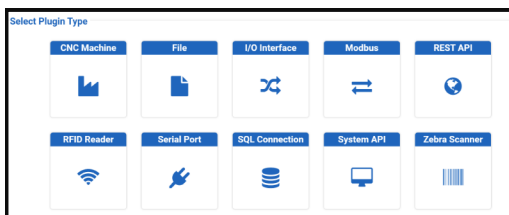
ADD SYSTEMIZED SECURITIES



MTConnect OUTPUT

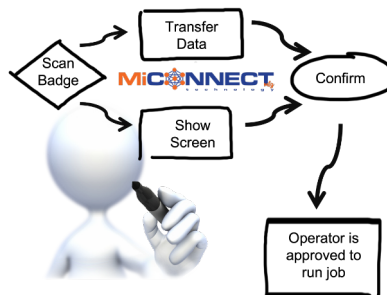
We Work with You to Design Your Custom Application

Select Items to Connect

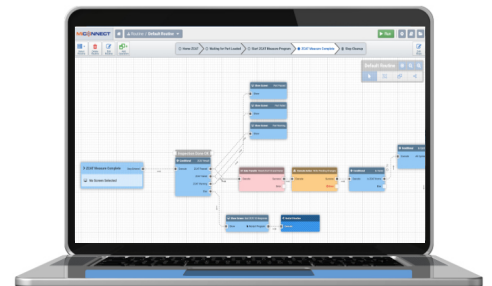


MiConnect has an inventory of pre-built drivers

Outline Operations and Process Flow



Create Project



MiConnect Project Flow Chart

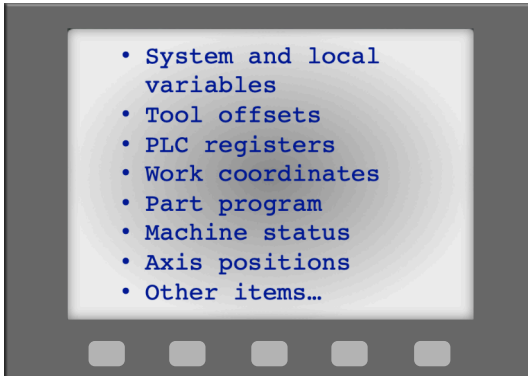
CONTACT US to work with an integration specialist to design your **CUSTOM SOLUTION!**

FEATURES



- Seamlessly connects devices and operations
- Flexible for any application and connects to almost any machine/control type
- Process flow is customized to the users' specifications
- Guides user through required steps and confirms successful execution
- Can easily be upgraded with new features
- All steps and data are recorded in the Audit Log and available via MTConnect

CNC Data can be Read or Written



Audit Log

- Every step, action, and data exchange is logged with date and time stamp
- Data is available locally or via **MTConnect**
- This data is valuable for quality control and process verification

BENEFITS

- Eliminates data entry and process errors
- Automates communication to the CNC control
- Reduces setup time and streamlines process execution
- Controls discrete devices via digital I/O
- Creates user defined checks and balances
- Minimizes operator decision making and adds system securities
- Provides consistent and accurate control of your manufacturing processes



OTHER PRODUCTS FROM CARON ENGINEERING



All CEI products are **MTConnect** compliant

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MADE IN THE U.S.A.