CNCnetPDM MTConnect Adapter

The CNCnetPDM MTConnect Adapter provides a powerful API that enables bidirectional communication between manufacturing devices and your applications or any MTConnect compatible program such as the Standard MTConnect Agent.

FEATURES

- Allows you to directly access and read machine data from within your applications in near real time.
- Enables to control your equipment by setting or changing parameters or variables.
- You can 'tag' devices with operational data (work-order, operation and/or part number) and deliver it together with device data.
- Provides functionality to switch on/off controller communication and set active shifts for your machines.

SPECIFICATIONS

ADAPTER (SERVER)	
Program type	Windows Socket (Winsock) Server
Number of devices	Up to 58 per adapter (multiple adapters can run on a single server)
Number of clients	Up to 58 per adapter
AGENT (CLIENT)	
Compatible programs	Open Source C# Windows Socket (Winsock) Client Standard MTConnect Agent (Version 1.3 or 1.4) or MTConnect compatible applications CNCnetPDM MTConnect Agent Tester

CONTROLLERS	
Fanuc	Configurable Fanuc device driver
	Fanuc device driver development kit
Siemens	Siemens Sinumerik OPC Classic device driver
	Siemens Sinumerik OPC Classic Alarm & Events driver
	OPC Standard UA device driver
Heidenhain	Heidenhain TNC/iTNC device driver
Mazak	Mazak Mazatrol device driver
Mitsubishi	Mitsubishi Standard CNC device driver
	Mitsubishi Citizen device driver
Controllers with OPC UA server	OPC Standard UA device driver
Controllers with MTConnect Adapter	CNCnetPDM MTConnect device driver
Other manufacturers	See: Adaptable controllers

BENEFITS

The CNCnetPDM MTConnect Adapter enables you to:

- Acquire data simultaneously from multiple machines by using a single adapter
- Mix controllers from different manufacturers within an adapter
- Eliminate the need to install third party adapter programs at the controllers
- Control different device types by your applications by using standardized commands
- Adapt all output items and tag tames on a per-machine basis according to your needs
- Standardize MTConnect Agent configuration
- Avoid hardcoded MTConnect adapter output delivered by machine or software vendors
- Reduce costs for implementation and maintenance by using one solution for all devices

RESOURCES

- Download CNCnetPDM with MTConnect (for testing CNCnetPDM comes with a free license!)
- MTConnect Technical Overview
- Getting Started with MTConnect
- Setup and use CNCnetPDM with the Standard MTConnect Agent
- Contact us if you have further questions