

Mitsubishi Electric CNC Operation Monitoring Software NC Machine Tool Optimizer (Pro/Lite)

Are you looking for a solution
for monitoring the operation
of your machine tools and
increasing productivity?

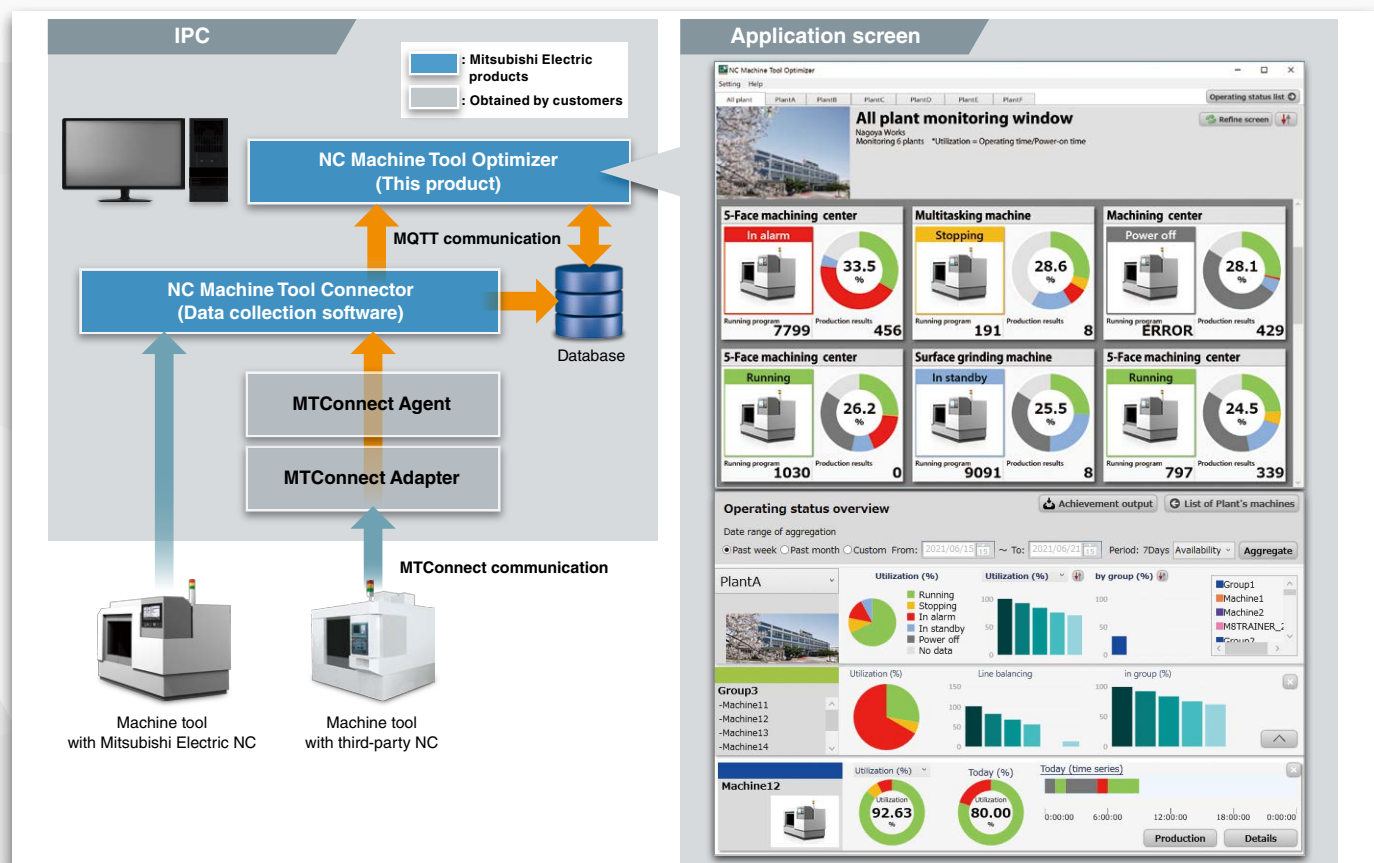
I want to monitor the operation of the controllers of various manufacturers and models in our factory, all in one place.

I want to analyze the operation of our equipment as well as visualizing the utilization.

NC Machine Tool Optimizer is here to help you!

Machine tools and FA equipment of a wide variety of manufacturers are supported.

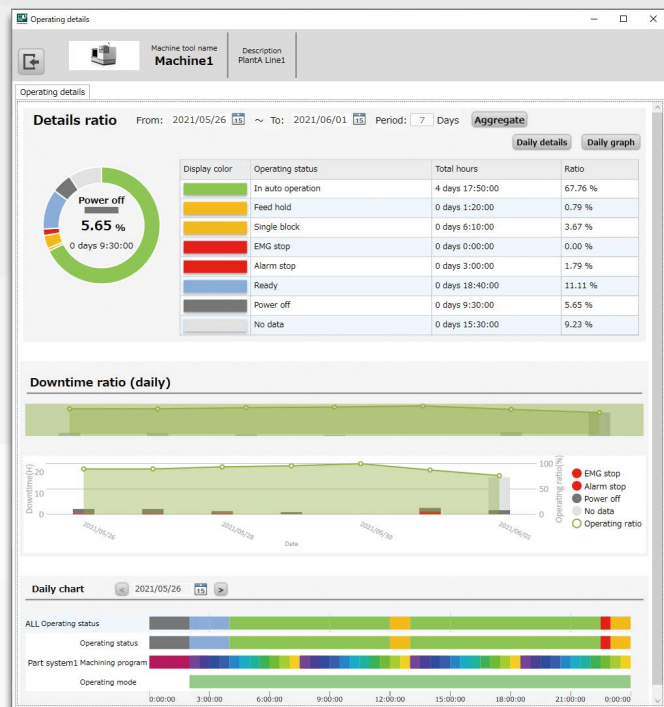
Not only Mitsubishi Electric NC, but third-party NC and MTConnect-compatible controllers can also be connected.



Easy downtime diagnostics and trend analysis!

Operation details window

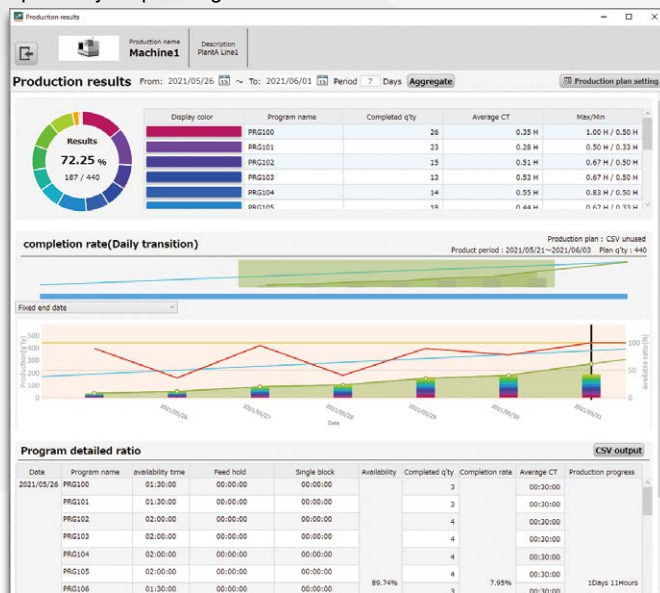
The occurrences of alarm stops and other events are presented in various charts, helping you to analyze the trends of the factors contributing to machine stops



Easy comparison and analysis of planned vs. actual production!

Production results window

The variance between the planned and actual production output (the number of finished goods and the percentage of completion for each machine) provides insights into productivity trends, enabling you to optimize your planning.



Key specifications

Item			Pro version	Lite version
Maximum number of devices that can be connected			30* ¹	10* ¹
Connection specifications	CNC	Mitsubishi Electric	M800(V)/M80(V)/E80/M700(V)/M70(V)/E70 Series, etc.* ²	
		Third-party	MTConnect-compatible model	
Communication specifications	MTConnect	Supported version	MTConnect Ver.1.3.1	
		Agent (reference)	CppAgent (Ver1.3.0.11 or newer) issued by MTConnect Institute * ³	
	MQTT	Supported version	Protocol Ver.3.1.1	
		Broker	Eclipse Mosquitto 1.3.5	
	Database		PostgreSQL Ver.10.0/SQL99	
Supported language			Japanese, English	

^{*1} The number of devices per license of this product. Note however that there are the following limitations: up to 20 devices for the API for Mitsubishi Electric CNC, and up to 20 for MTConnect (the number is limited depending on the Adapter/Agent used).

^{*2} For C70/C80 Series and M60/M600 Series or earlier models, additional hardware is required.

^{*3} Any MTConnect-compatible agent, not limited to Cpp agent, can be used for connection.

System requirements

Item	Description
Processor	Intel® Core™ i3 2 cores or better 64-bit architecture
Memory	8 GB or more
Disk space	300 GB or more is recommended
External Interface	RJ-45 (Communication standard: Ethernet)
Display resolution	XGA (1024x768) or higher
OS	The 64-bit version of the following OS is supported. Windows® 10 Pro Windows® 10 Enterprise Windows® 10 IoT Enterprise
Library	.NET Framework 4.5



Official Mitsubishi Electric Mechatronics YouTube account

User support videos will be available, including how to backup/restore data and replace batteries as well as introduction to our products and technologies.



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