

Press Release

November 8, 2007

Gathers Tool Information in the Factory in Real Time Contributes Greatly to Quality Control

We Start Full Operation of the MCC-TMS Tool Management System

Mori Seiki Co., Ltd. has introduced our "**MCC-TMS**" Tool Management System for machining centers and multi-axis machines at our Chiba Campus Machining Plant.

Since October 2006 we have applied this system to the Manufacturing cells (LPP, CPP) in the same plant, but now we have connected it and started using it with all the machines in the factory.

In the past, tool attribute information such as the tool numbers, etc, was set separately for each machine, and you couldn't see a list showing the tool's location and condition. With this system, on the other hand, the latest tool information is centrally managed for every machine in the factory, and it is possible to check the location, tool life and wear and tear from a PC in the office.

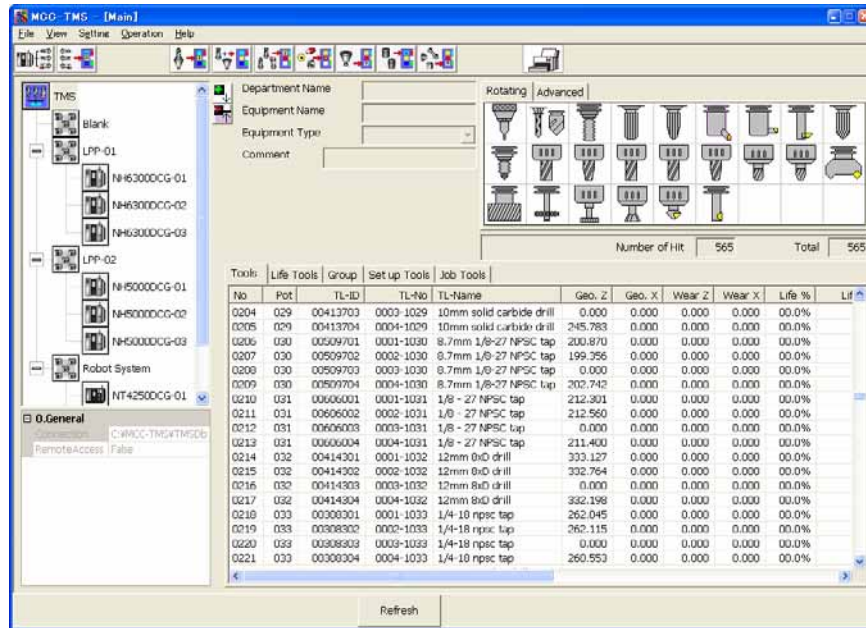
■ The benefits of introducing this system

1. When the tool reaches the end of its life, an alarm shows on the PC screen, and by ensuring that the tool is replaced, **machining quality is maintained.**
2. By connecting the tool presetter and the machines to the network, information such as tool offset, which used to have to be entered manually, can be sent to the machine quickly and accurately, **reducing setup time and preventing input errors.**
3. By accessing tool information in the system from CAM during the creation of machining programs, it is possible to do **machining simulations using the actual tool data.**
4. By connecting it with the MCC-LPS II cell controller for LPP, it is possible to do **scheduling which takes tool life into account** (comparing the tool life which is needed for the machining, the remaining life of the tools which are mounted in the machine and signaling whether it is possible to complete the machining).

You will be able to see this system in operation at **the Winter Productivity Show 2007** at Mori Seiki's Chiba Campus from November 14 (Weds.) ~ 17 (Sat.).



Dia. 1: MCC-TMS



Dia. 2: Example of the MCC-TMS (Tool Management System) screen