

Press Release

September 25, 2007

Three Easy and Convenient New Functions are Installed in MAPPSⅢ and MORI-AP

Dramatic reduction in time for creating NC programs

Mori Seiki Co., Ltd. and our subsidiary in Sacramento, California, DTL (Digital Technology Laboratory Corporation), have developed **3 new functions** which can be installed in MAPPS Ⅲ and MORI-AP (**① MORI-POST advanced mode, ② Region segmentation function, ③ DXF import function**). These functions are optional for MAPPS Ⅲ and standard for MORI-AP.

①MORI-POST advanced mode

Postprocessors are software which converts the CL (Cutter Location) data created using CAM into NC programs for running the actual machine tools. The postprocessors contain not only systems for creating NC data, but also various templates which define position commands, axial velocity and operating timing, such as discharging coolant immediately after tool change.

This function allows users to customize these templates and to create complete NC programs which meet customers' demands for reducing machining time.

It will be available for machines shipped from November 1, 2007.

②Region segmentation function

Conventionally, for turning, machining in one direction counted as one process. Therefore, if you wanted to machine in several directions, you had to divide the machining into multiple processes and the machining shape had to be defined for each process.

This function allows multiple machining areas to be defined in one process, and cutting directions can be specified for each area. This eliminates the time and effort for process segmentation and definition of machining areas, allowing the machining paths to be output with no waste.

It will be available for machines shipped from October 1, 2007.

③DXF import function

The DXF import function reads the coordinates for the DXF (Drawing eXchange File: the format for diagram files created using CAD software) shape data and enters them in the conversational data.

With this function, it is possible to enter shape data into the conversational data quickly and accurately, just by making a few clicks on the screen, allowing machining simulations and actual machining. There is no need to enter each point of the diagrams. This significantly reduces operating time by utilizing the digital data.

It will be available for machines shipped from October 1, 2007.

Mori Seiki will continue to contribute to making the ideal production plant for our customers by providing them with easy-to-use software.

■About MAPPSⅢ

This is a high-performance operating system which is installed in Mori Seiki machines. With its improved processing capacity and conversational functions, tool management functions, etc, it allows shorter programming and setup times.

■About MORI-AP

This is an application system which allows machining programs to be created on a PC. Like MAPPSⅢ, it contains conversational functions, etc. What's more, its functions, data and operations are fully compatible with MAPPSⅢ, so programs can be centrally managed.



Example of shape data imported with the DXF import function