

Press Release

November 15, 2007

Mori Seiki and Nichidai Corporation Jointly Develop the “S-MAX” Machining Program Management System

Increase machine operating rates by 10% using QR codes and the network!

Mori Seiki Co., Ltd. and Nichidai Corporation have jointly developed the **“S-MAX” Machining Program Management System**, which uses QR codes and the network. This system has been achieved by combining Nichidai’s concept of high quality and high production efficiency with Mori Seiki’s strength in software development.

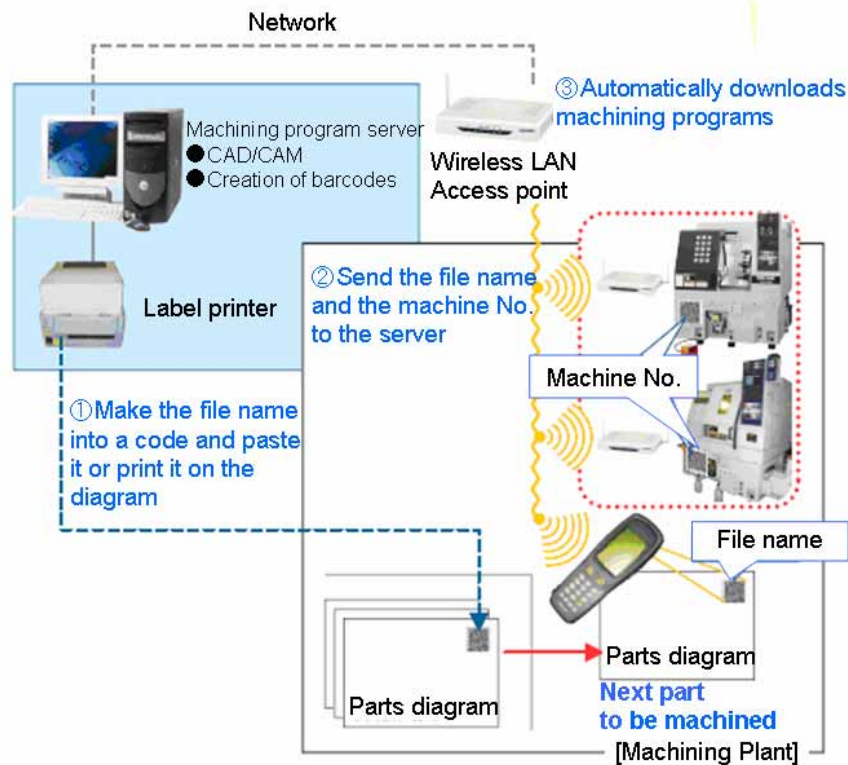
In the past, machining programs for each workpiece were stored on recording devices such as floppy disks, and in order to start machining the operator had to look for the diagram and the recording device containing the stored program which matched the product number, and then have the machine read the data stored on the disk. With this method, however, setup took a long time, since someone had to search for the stored programs and deliver them by hand. It also needed a place to store the recording devices and a person to manage them.

With “S-MAX,” the file containing the machining program is stored on the server, and the file’s QR code is attached to the diagram. The machine operator reads the QR code on the diagram with a QR code reader, the machining program is **sent automatically** from the server to the specified machine over the network, and machining can begin just by pushing the Cycle Start button. This significantly reduces setup time and eliminates the trouble of managing recording devices. As a result, Nichidai have **increased the machine operating rates by 10%, and reduced labor costs by 40%**.

Since May 2003 we have gradually been expanding this system, and have improved our efficiency by introducing it for the die and mold parts machining line in our Plants (CNC lathe machining line, CNC EDM machining line, machining center line). It is especially useful for machining which requires many setup changes, and we expect that it will prove its full worth in this new era of multi-item, small-lot production.

Mori Seiki will continue to contribute to the revitalization of the manufacturing industry by providing machine tools and systems to increase our customers’ productivity.

※ Nichidai Corporation and Mori Seiki are in the process of applying for patents. (USA: obtained, Japan/Germany: patent pending)



Dia. 1 System outline

[About Nichidai Corporation]

Head Office: 13 Kitamachida, Takigi, Kyotanabe, Kyoto
 President & CEO: Motonobu Furuya
 Number of employees: 387 (consolidated)
 Foundation: 1959
 Home page: <http://www.nichidai.jp/english/index.html>

Nichidai Corporation is engaged in three main business activities: the “die business,” involving the development, manufacture and sale of precision-forged dies; the “components business,” involving the manufacture and assembly of precision-forged products; and the “filter business,” involving the development and manufacture of sintered wire mesh filters. They offer a comprehensive manufacturing service, especially in the die and mold field, by making the most of their total engineering strength (from R&D to peripheral technology), which is centered on the knowledge they have accumulated in the development of precision-forged die techniques and general die and mold technology.