

## Press Release

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February 23, 2011

### Mori Seiki Launches MCC-LPS III, Highly Evolved Cell Control System

Mori Seiki Co., Ltd. has developed MCC-LPS III, the newest version of its cell control system. MCC-LPS III is designed to provide efficient operation and management of Mori Seiki's pallet transfer systems. Pallet transfer systems include LPP (Linear Pallet Pool) (see Fig. 1), CPP (Carrier Pallet Pool), RPP (Round Pallet Pool) and AWC (Automatic Workpiece Changer). Customers can select the ideal one according to the type of workpieces and production volume. The newly developed MCC-LPS III is flexible to accommodate to these pallet transfer systems. With a wide range of functions from job/order data management, machining program management, material/fixture/tool management, system status monitoring to variety of production reporting, MCC-LPS III maximizes operating efficiency of customers' pallet transfer systems.

#### ■Hardware features

Mori Seiki MAPPS IV high-performance operating system is used for the LPS III operation panel. It features a 19-inch large screen and high-performance CPU. In-house development of the system allows us to provide long-term, reliable support for our customers; there is no need to worry that replacement parts will become unavailable, as with commercially available computers. Additionally, the use of HDD mirroring (RAID 1) and a UPS (Uninterruptible Power-supply System) protects important data in the event of a power failure or other problems.

#### ■Software features

MCC-LPS III is available in three versions to suit a range of uses. Major functions of each version are as follows:

<**BASIC**> A cost effective solution for job-based production management

- Job-based scheduling & operation
- Job/order grouping
- machining program and workpiece offset upload/download
- Workpiece attachment at different stations
- System monitoring
- Job setup display
- Access authority control
- Customizable reporting function
- Diagnosis and recovery support

**<STANDARD>** In addition to the features provided by the BASIC version, this package includes:

- Fixture and material management
- Lite tool management system (Lite TMS)
- Integration with MCC-TMS (MCC-TMS must be ordered separately)

**<ADVANCED>** In addition to the features provided by the STANDARD version, this package supports:

- Multiple client support (up to 5 clients)
- Advanced planning & scheduling

<Additional options for STANDARD and ADVANCED package>

- Email/pager notification function
- EtherNet/IP interface (customized designs)

Mori Seiki will continue to provide various systems in order to offer the best solutions for every customer's machining needs.



Fig.1 LPP (Linear Pallet Pool) system



Fig 2 LPS-III controller



Fig 3. Monitoring screen