



CM+ FULL MACHINE CAPACITY

STAIN
MES SOLUTIONS

LEADS YOU IN
INDUSTRY 4.0

- **PRODUCTION ORDER MANAGEMENT.** The CM+ is used to download production orders from the management system or draw them up locally. It plans both single-article production orders and multi-article die/mould datasheets (for pressure die-casting and plastic moulding).

Configurability.

- Identification of all the bays and machines for which production orders are to be planned.
- Determination of the article master (downloadable from the management system), with standard times for each article/machine if not specified on the production order.
- Determination of multiple shift schedules to simulate different machine load scenarios.

- **PRODUCTION ORDER PROGRESS.** The progress of a production order can be displayed by the CM+, if it is acquired from the management system in production order download mode, or by the STAIN+, if a production progress management module is installed for automatic collection of machine and field operator data.

- **MACHINE LOAD MANAGEMENT.** The CM+ supports normal manual activities carried out by the head of production. The main features are detailed below.

- It shows released orders or die/mould datasheets not yet assigned to a machine.
- The operator can select a production order (or die/mould datasheet) from a list of non-scheduled ones and transfer it to a machine using the drag-and-drop function. The system automatically calculates the production end date based on the active work shift schedule, number of items to make, standard tooling and production times, and machine efficiency.
- Order execution can be forced to start

not before a set date on a particular machine.

- The operator can alter the machine loading sequence at the click of a mouse. The system updates the machine load based on the new situation.
- For each production order assigned to a machine, the CM+ displays the state of progress expressed as number of items or percentage completed.
- When assigning the execution of an order, the CM+ does not verify the availability of raw materials, tools and operators; the person in charge of planning is completely free to assign the order/stage to the machine considered best at that time.
- The CM+ does not establish priorities during the machine loading process; it allows an order for a specific stage to be loaded on a machine, regardless of previous or subsequent stage scheduling. It is possible, though, to activate a function that warns the operator that a subsequent schedule has been scheduled before a previous one.
- The CM+ can be custom-designed to implement specific rules or constraints.

- **MACHINE LOAD DISPLAY AND PRINTING.** The operator can display the machine load in the form of a table or Gantt chart. For each scheduled production order, the system displays items to make, items made and % completed, as well as the date on which production concerning the particular order/machine/stage is expected to end. A load table for each machine can be printed out.

- **SYSTEM ACCESS.** Full configurability of the users, groups and access rights of each group to which a user belongs. For each group it is possible to configure which data can be displayed and/or changed on each form to guarantee complete secrecy.

