

PMC Consulting

ASAP-CRS

Manufacturing Execution System

ASAP-CRS (ASAP Scheduling And Production - Cooperative Resource Scheuler)

Real-time information gives you the power you need to make the best decisions about how to run your plant. ASAP-CRS is a Manufacturing Execution System (see next page), driven by an integrated finite capacity scheduler and shop floor data collection system that brings real-time production data to your fingertips.

System modules include:

- Finite Capacity Scheduling
- Resource Calendars
- Shop Floor Data Collection
- Quality Assurance
- Product Tagging & Bar Coding (TagMaster)
- Downtime Recording
- Complaint Tracking
- Production Reporting
- Optimization Modules

Information on key modules is presented below.

Finite Capacity Scheduling

Finite Capacity Scheduling is the process of determining the best way to sequence jobs in a plant over a given time period, while accounting for:

- Actual production capacity - based on available production resources
- Production constraints such as machines speeds and setup times
- Production deadlines (usually based on customer orders, or inventory requirements)

Our scheduling applications provide finite capacity scheduling for discrete or process manufacturing environments. Job-shop, and repetitive production environments may be scheduled simultaneously. Integration with MRPII systems is supported.

Shop Floor Data Collection

Key decision-support data can be brought to your desktop using ASAP-CRS' data collection applications. Our data collection applications are built to suit your plant. You can collect data from shop floor automation, such as bar-coding or RF systems, or even integrate your data collection system with machine controls (PLC).

Quality Assurance

ASAP-CRS gives you the ability to collect compre-

hensive quality data during the production process. Multiple tests, of different types can be pre-defined, and scheduled along with the actual job. The ability to downgrade, or reclassify production "on-the-fly" is also supported.

TagMaster

As part of a data collection system, or as a stand-alone tagging application, TagMaster can handle all your product tagging requirements. TagMaster gives you the ability to design and print tag formats in-house, for batches of labels and/or on-demand, so you control all of your product labeling in areas such as:

- Inventory Management
- Customer Specified Tags
- EDI and UCC Tag formats
- UPC labeling

Tag Printers and Supplies

Choosing the right printer for your tagging needs can be challenging. PMC can help you select the right printer from the broad range of printer models we carry. We will assist you in finding printer ribbons, label stocks and other supplies, so you have a single source for all your tag printing needs.

Production Reporting

ASAP-CRS Production Reporting delivers timely information to key decision makers - tailored the way they need it. The Production Reporting system can be installed independently of other ASAP-RTS modules, so all staff who need it can have instant access to current production information.

Services Offered

If you have special requirements ask about our services in these areas:

- Requirements Analysis/Definition
- Custom Application Development
- Custome Scheduling & Data Collection
- Custom Production Reporting
- Systems Integration
- PLC Programming/Machine Control Systems

How to Learn More

We would be pleased to provide additional information from our library on technology solutions for manufacturers. Please contact us at (289) 231-8660 to request additional materials, or to ask questions about our systems.