

ASAP-CRS will help you:

Provide real-time answers to real-time questions. ASAP-CRS provides instant feedback to your production management and scheduling team. Be *pro-active*. Real-time knowledge of your production environment means you control situations *before* they become problems. Keep *all* of your departments up to date with the right information by integrating Order Entry, Scheduling and Production data.

Add flexibility to your business without adding "orphaned" systems. ASAP - RTS can be used to support EDI programs, Quality Assurance systems, data tracking requirements for ISO 9000 certification and many other business applications that are important to you.

Improve management efficiency and save money. Every department will benefit from accurate, accessible production data. Time formerly spent tallying production, deciding whose data was the right data, "firefighting" or entering shop floor data into multiple systems can now be spent focusing on your real business - making products for your customers.

Our Manufacturing Efficiency Optimization System will help you minimize sequence dependent setups with your production machinery. Our optimization specialists can help you with your efficiency issues - custom solutions are available. We have custom solutions pre-built for the plastics extrusion, steel rod and roll paper industry.

World Wide Web Site:

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Scheduling System

Pentium/Athlon 1.8GHz+
512 MBytes RAM+
80GB+ Hard Disk
1024x768 or better SVGA display

Tagging System Requirements

Pentium/Athlon 1.4 GHz+
256 MBytes RAM +
80GB+ Hard Disk
1024x768 or better SVGA display

Compatible Operating Systems

MS Windows XP
Windows NT
Linux (soon)

Compatible Networks

Novell Netware
MS Windows Peer to Peer
MS Windows NT Server
TCP/IP (to UNIX/Linux hosts)

ASAP-RTS Modules

Manufacturing Scheduling
Efficiency Optimization
Shop Floor Data Collection
Production Tagging
Quality Control
Production Reporting
Performance Reporting
Production Observer Systems
Bar Coding
Downtime Recording
Bar Code Scanning

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ASAP Scheduling And Production Cooperative Resource Scheduler

ASAP-CRS/PE

**For Plastic Film Products
Manufacturers**

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Optimum Plant Performance for Plastics Extruders

You *can* be profitable and efficient at the same time you offer flexibility to your customers. ASAP-CRS for Extruders optimizes your machine schedules to minimize setup and changeover time between jobs, and to minimize production of low-value or scrap plastic.

ASAP-CRS' extrusion optimizer automatically sequences jobs to minimize the changes in 4 key parameters between jobs:

- **Product Color** - our color optimizer takes advantage of the CYM color matching system to evaluate the color changes from job to job, and sequence them in a way that minimizes the purge times required between jobs.
- **Raw Materials Blend** - using your Bill Of Materials to determine the resins used in each job, our blend optimizer sequences the jobs to minimize the changes in resin blends from job to job.
- **Product Width or Diameter** - where possible, progressions in width are sequenced (e.g. wide to narrow)
- **Product Gauge or Thickness** - where possible, progressions in thickness are also sequenced.

The bottom line - Increased efficiency with reduced costs thanks to:

- *Increased Production Time*
- *Reduced Lead Times*
- *Reduced Materials Usage*
- *Reduced Scrap Production (Purge Runs)*

ASAP-CRS Extrusion Optimizer is part of a complete Manufacturing Execution System (MES), including the following key modules:

Scheduling

Schedule your production according to the way your plant really works. ASAP-CRS supports repetitive manufacturing and work orders or batches simultaneously. ASAP-CRS' Streamed Manufacturing allows you to schedule and run multiple stages of a job simultaneously.

Analyse different allocations of production capacity before committing your resources. ASAP-CRS's schedule publishing mechanism allows you to work with different "what-if" scenarios before posting the chosen schedule to the shop floor.

Ease-of-Use Features include:

- *Graphical Machine Loading Indicator*
- *Product to Machine Correlation Tables*
- *Machine Run-Rate Tables*
- *Work Centre Management*

Data Collection

ASAP-CRS takes advantage of Windows' interface to make data collection fast and easy, so operators can concentrate on production.

Ease-of-Use features include:

- *View Job Pick-List by Job Number, Machine Number, etc.*
- *Colour-Coded Job Status Indicators with real-time Balance-to-Completion statistics.*
- *Bar-code support*

Tagging

Produce all the tags you need - in batches or on demand - whatever works best in your plant. ASAP-RTS' custom tag designer lets you design and print tags for:

- *Inventory tracking*
- *Customer-specific package labelling*
- *EDI support*
- *Shipping*

- *etc.*

Bar-coding is supported in all tag formats.

Integration

The scheduling and data collection modules are integrated, providing a real-time feedback loop between the scheduling department and the shop floor. ASAP-RTS' modules may also be integrated with your cost accounting and MRP systems through batch transfers or direct database access (through database-specific or ODBC drivers) where possible.

ASAP-CRS' schedule publishing mechanism can be used to tie in other manufacturing support systems such as Quality Assurance or EDI (Electronic Data Interchange) applications.

Reporting

Scheduling reports include:

- *Raw Material Requirements*
- *Exception Reports*
- *Schedule Conflict Reports*
- *Machine Utilization*
- *etc.*

Production reports are accessible through the Reporting System, which may be installed on a system independently of other ASAP - CRS modules.

Production reports include:

- *Production by Product*
- *Production by Machine*
- *Production by Work Order*

"Observer" Systems

Monitor the status of jobs on the shop floor in real-time, with ASAP-CRS' Production Observation module.