



## Preactor

### Scheduling Software

Preactor International is the world leader in production planning and scheduling software used by a wide range of businesses.

### Overview

Preactor is not a single solution, but rather a family of products (P100, P200, P300, P400 and P500) that uses the same core code to provide solutions for small, medium and large companies.

### Highlights

A key element of Preactor is that its solutions can be installed straight out of the box and can also be customised and configured without disturbing the core Preactor code, an important issue when it comes to future releases and technical support.

- Integrates with other software such as ERP, MES, data collection, forecasting, demand planning and OEE applications.
- Includes Capable to Promise (CTP) enquiries to allow the user to use the order inquiry button to find the latest delivery date for an order for a product.
- Uses finite and infinite resources, calendar states, efficiencies and templates and provides calendars with an intuitive approach to the development resource shift patterns.
- Includes forward/backward and bi-directional sequencing by order-attribute which can choose to forward sequence or backward sequence.
- Provides a number of standard graphical and textural reports.
- Includes an Import/Export Wizard used to create an import or an export script for importing or exporting data to and from an external data file in CSV format.
- Gives user the ability to edit one or multiple resource calendars within the sequencer window through manual and interactive breakdowns, planned maintenance, etc.
- Uses Microsoft SQL 2005 Server Express database as the data store.

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- Offers parallel operations in process route (assembly & dis-assembly) which will schedule operations 'in parallel' and then wait until both have finished before sequencing the next operation.
- Figures process run time by part, rate per hour and time per batch.
- Displays schedule statistics showing data for the currently loaded schedule.
- Includes a web publisher which automatically creates reports and Gantt charts in HTML format to display on a web page.

## Benefits

This detailed scheduling software provides an opportunity to create a major impact on the productivity of a process.

**Preactor** has more than 4000 customers worldwide.

**Preactor** users tend to be Sector Leaders, Lowest Cost Producers, Leanest Companies in Class, Best P & L Margins etc.

**Fact. Toyota** uses **Preactor**

## Informs

- Shows order status providing the planner with a complete picture of: demand, capacity, resource usage, operation sequence, as well as the expected completion time for each operation in a Gantt chart.
- Provides a look into the future scenarios based on what's happening in the factory.
- Offers a valuable tool for coping with unexpected short-term variability.

## Controls Costs

- 15-20% Improvement in productivity.
- 40-50% Reduction in raw materials inventory.
- 40-50% Reduction in make-span time.
- 50-90% Improvement in customer service and on-time deliveries.
- Minimises costs by telling a production facility what to make, when and with which staff and on which equipment.
- Eliminate non-value added activities and get deliveries on time.
- Full Pay-back within a year.

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## Increases Productivity

- Increase throughput and reduce work in process and raw material stocks.
- Achievable production schedules with constraint control & optimisation.
- Enables ERP to do real-time, on-demand CTP.
- Better on-time deliveries & increased customer satisfaction.
- Win and retain customers with best in class lean manufacturing levels.
- Check stock availability prior to launching work order.

## Increases Efficiency

- Minimises the production time by telling a production facility what to make, when, with which staff and on which equipment.
- Maximises the efficiency of the operation.
- Works down to the shop floor to manage individual orders or individual resources in real time.
- Integrates with ERP so data can be passed easily between the two without affecting the other's performance.

## Typical Users

- Production schedulers whose spreadsheets can no longer handle Schedule.
- Planning Flexibility, Emergency Changes, Shop Floor Updates, Demand Control.
- Complicated Change overs, Set-Ups, Volumes, Size matching.
- Reduce Production costs, Reduce wear & tear, margin & cost analysis.
- Users who want to be able to combine several detailed scheduling models from different plants (or departments within one company) with a global capacity planning model.
- Engineering, Chemical, Pharma, Process Industry, Transport, Manufacturers

## Service and Support Available

MXI is the senior Irish partner for PREACTOR Planning solutions.

Our technology and consulting have saved customers in the North & South millions.

MXI is fully certified by PREACTOR UK the developers of the software.

We consult, design a solution, manage, implement, support your implementation.

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