

Case Study – Pam-Pac Machines Private Limited

The Industry

Pam-Pac Machines Private Limited, a joint venture company between Associated Capsules Group, India and IWK Verpackungstechnik, Germany has a wide range of machinery products for packaging solutions for Pharmaceutical and FMCG Industries. Its range of products includes automatic blister packing machines and highly sophisticated cartoning machines.

At its state of art manufacturing facility at Talegaon, near Pune it produces some of the world's most reliable, flexible yet high output packaging machines.

The Client's Need

PAMPAC was looking out for a production Scheduling software for scheduling jobs on the shop floor for its packaging plant.

Following were the requirements of PAMPAC:

- Pressure for meeting customer schedules
- Day wise Resource Load chart for better control
- Resource Utilization Report

The Solution

After a thorough evaluation of competing products, PAMPAC chose Walchand Infotech's ExSchedLite. ExSchedLite is a software package designed specially for Production Resource Scheduling on the Shop Floor. It simulates the shop floor environment and provides the most effective and efficient scheduling for the jobs.

The scheduling program uses the technique of Discrete Event Simulation. The scheduling rule uses combination of parameters such as 'Due Date', 'Priority' and 'Backward Scheduling'. Schedules are arrived at after considering practical constraints such as resource availability, holidays, resource breakdowns, outside operations etc. Tentative orders can be entered and scheduled optionally.

Key requirements addressed

- Facility to copy work orders as reference for future use.
- Facility to accept idleness on resources for various reasons
- Resource utilization and computation of resource efficiency.
- Forward or Backward schedule can be denoted at the order level.

Business Benefits

- The time spent by planning persons is considerably reduced from days to couple of hours for preparing the schedule.
- The Planning department can predict the delivery time of jobs well in advance considering the current load in the shop floor.
- Effective utilization of resources with minimum idleness of machine resources.
- Gantt charts and reports give an overall view of the shop floor in a single screen