

**Capacity planning** is the process of determining the production capacity needed by an organization to meet changing / future demands for its products. It is a long-term decision that establishes an organization's overall level resources and also ensures right quantity and quality of raw material, equipment, etc. are available during times of production

Planning for supply and demand effectively is the basis of effective operational management leads to increase in delivery capacity. Precision in Planning equates to on-time shipments. Understanding and effectively managing capacity can lead to a profitable business.

**ProAct** is a Real Time Capacity Planning System for the apparel manufacturers which helps Customers to manage the Time lines of Planned Orders.

**ProAct** is Developed on the latest generation platform with the Use of Operations Research and Artificial Intelligence techniques

## Objectives of ProAct

- Accepts customer order and Creates internal WORK ORDERS
- Define Existing Capacities of all Factories with Target Efficiencies
- Define and Maintain Time and Action calendar for Buyers / Products / Orders
- Schedule Orders to Factories based on Product, SAM, Order Qty and Delivery Dates
- Production Data From factories are Captured in the System
- Plan Vs Actual Status of Orders on Planning Board
- Alerts and Reminders on Exceptional Situations
- To ensure capacity utilization is in tune with forecast demand at all the time.

## Planning Board



- Customer Orders with Color-Size Breakups are Fed in the System.
- Customer Orders can be split into multiple Work Orders.
- Time and Action Calendar for Buyers / Products / Orders can be maintained.
- Work Orders can be manually allocated to one or more Factories / Lines.
- 'What If' Planning Allows the System to Automatically suggest the best production schedules for the work Order to Factories / Lines / Period that meets the Deadlines.

### Planning Board Plan vs Actual



### Key Features

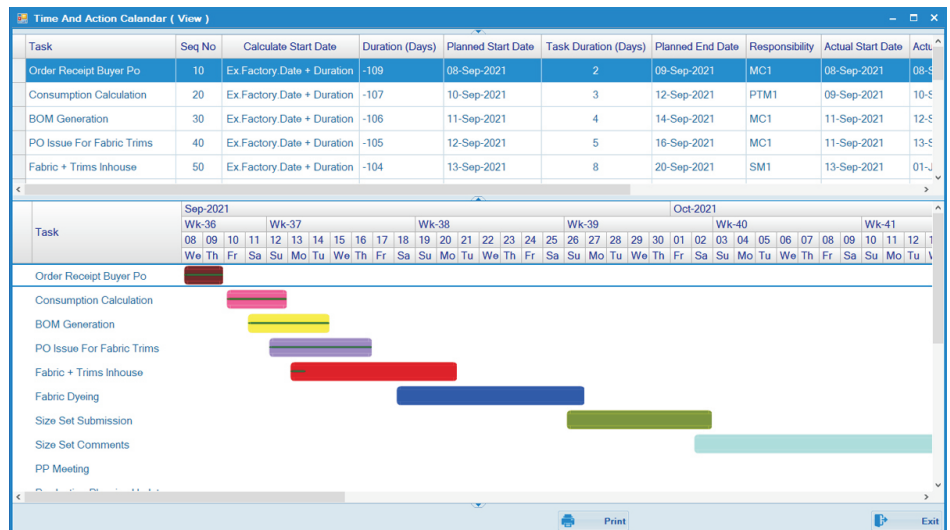
- Centralized Real time Production Planning and Control System.
- Provides Planning for all Processes from Cutting to Packing.
- Provides Multiuser Planning Board Where Multiple Users can simultaneously plan orders.
- Configure Factories with Products Mix with their Efficiencies.
- Learning Curves can be applied for Style / Line / Product.
- Provides Plan Vs Actual Status of All Orders with Processes across Factories.
- Seamless Integration to other application systems
- Fully Integrated with **ProCon** real time production monitoring system
- Features and Validations of this system are user configurable.

### Key Benefits

- AI-powered predictive analytics in capacity planning.
- To ensure optimum utilization of production capacity by proper scheduling of resources.
- To ensure inventory level are maintained at optimum levels at all time.
- To ensure production cycle time is kept at optimum level.
- To ensure proper production levels during expected business cycles leads to On-time production and On-time delivery to the customer.
- To ensure Reduction in Operational Cost & Production lead time

### Time and Action Calendar

Time and Action Calendar Or TNA is a most effective communication tool for effectively tracking and following up of important milestones in Pre-Production Processes to ensure timely delivery within stipulated delivery date.



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