SPESA – Advancements in Manufacturing Technology

MorganTecnica

Presents:

Cut Order Planning Innovations and Solutions

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Cut Order Planning—Beginnings…

- Cutting Room Planning started with a basic plan that was either on paper or a whiteboard.

- For example, apparel may require hourly intervals, while building furniture may need daily or weekly intervals.

- Drawing a bar or use sticky notes to represent each task.
PROCESS IN MOST COMPANIES:

CAD Design Creation

Orders Entered into ERP

Manual roll selection

Production Managed Manually
Cut Order Planning— Full Circle

Cutting Room being the hub where all the key components come together:

- Pattern Designing
- Fabric Purchasing
- Order Requirements
- Logistics
- Trims & Accessories
- Sewing & Finishing

Cut Order Planning— Full Circle
Manufacturers can’t afford to lose time or materials in the production process. Lost time can lead to late fees when products aren’t delivered as promised. Buyers quickly find other companies to replace manufacturers who can’t deliver.

Raw material prices are constantly rising, and poor planning can lead to missed opportunities and higher costs. Changing Trends, diversity in orders require proper planning to maintain accurate cost.
Cut Order Planning – Loss Prevention

Up to 80% of the cost of a garment is in the fabric.

Vital that you track your cutting room processes to keep mistakes to a min.

Effective production planning relies on your ability to order the appropriate amount of fabric.

Streamline each process in the cutting room process, thereby effective loss no more the 2-3% of material waste.
Cut Order Planning – Delivery

- **Production Delivery:**
  - Raw Materials & Labor must be in sync
  - Cutting Room must be ready to receive and start without delay.

- **Customer Delivery:**
  The trend in the industry is to demand shorter and shorter lead times between ordering and delivery; manufacturers who can meet short lead times have a distinct competitive advantage.
Daily Follow up:
If the cutting room falls behind in its production schedule, for example, your sewing and finishing lines must wait, leading to potential backlogs and missed deadlines for shipment.

To avoid lost time in the production, you must provide daily oversight of each step and keep the rest of the line updated with any delays so plans can be adjusted to pick up any slack.
In selecting the right planning solution, some key factors to consider:

- Integration
- Compatibility
- Process management
- What if scenario’s
- Plan proposal’s
- Plan output
- Plan data capture
Proper Planning – Cutting Room – Key processes

**CAD:**
Model Creation and Matching Application

**ERP**
Style Creation, Order Entry, BOM, Requirements

**Fabric Warehouse:**
Roll Management

**COP:**
Central Management of all data and launch Production Plan based on the rules set up by the company, looking at all aspects of optimizing the production and reducing costs!!

**RESULTS = SAVE FABRIC – SAVE TIME – SAVE MONEY**
Cutting Room Planning should be done for all orders in the company.

Effective planning helps in better utilization of available resources and improving cutting room efficiencies.

Ideally, if possible to run your cutting plan in advance in order to properly allocate the necessary resources as well of all fabric availability and allocation.
When issuing a effective plan you want to make sure to take into consideration the following:

a. Customer Order and Pattern Files are created and ready to import into the planning solution

b. Requirements of the sewing room

c. Availability of manpower

d. Availability of all raw materials and necessary trims

Although many of these items do not directly effect the efficiency of the cutting room operation, we want to insure that after cutting, the cut pieces do not stay waiting for other processes.
Cut Order Planning – Success!

On Time Production

Every Time
Thank you

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