



eXensys Micro Vertical Solution

Micro-Vertical – Textiles

Agenda

Industry Overview

Industry Characteristics

Key Processes 'n' Challenges

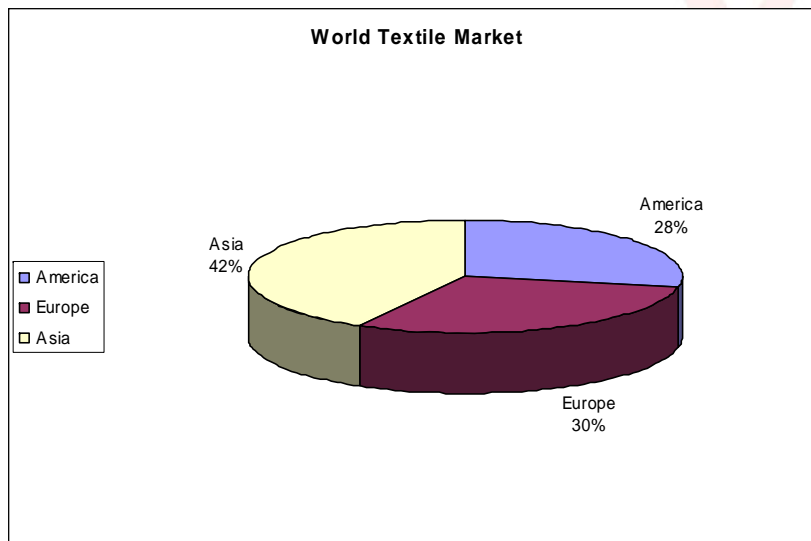
eXensys Best Practices



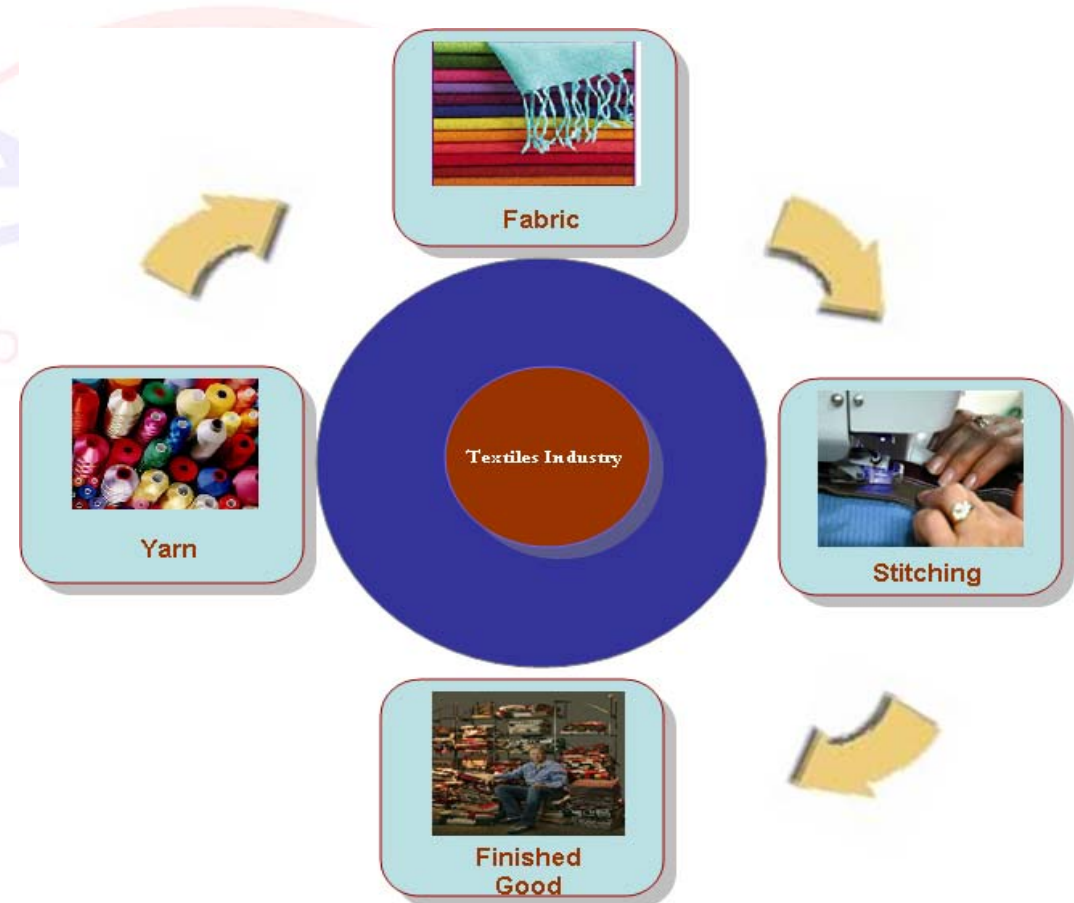
Industry Overview

Micro-Vertical – Textiles

With globalization sweeping across at an unprecedented rate, the textile industry is under constant pressure to innovate and reduce their cost of production and to claim stakes at new markets. To overcome the challenges that result from marketplace dynamics, the Textile industry needs to invest in technology. IT solutions can help in reducing the cost significantly and also keep the enterprise competitive.



World Textile Market

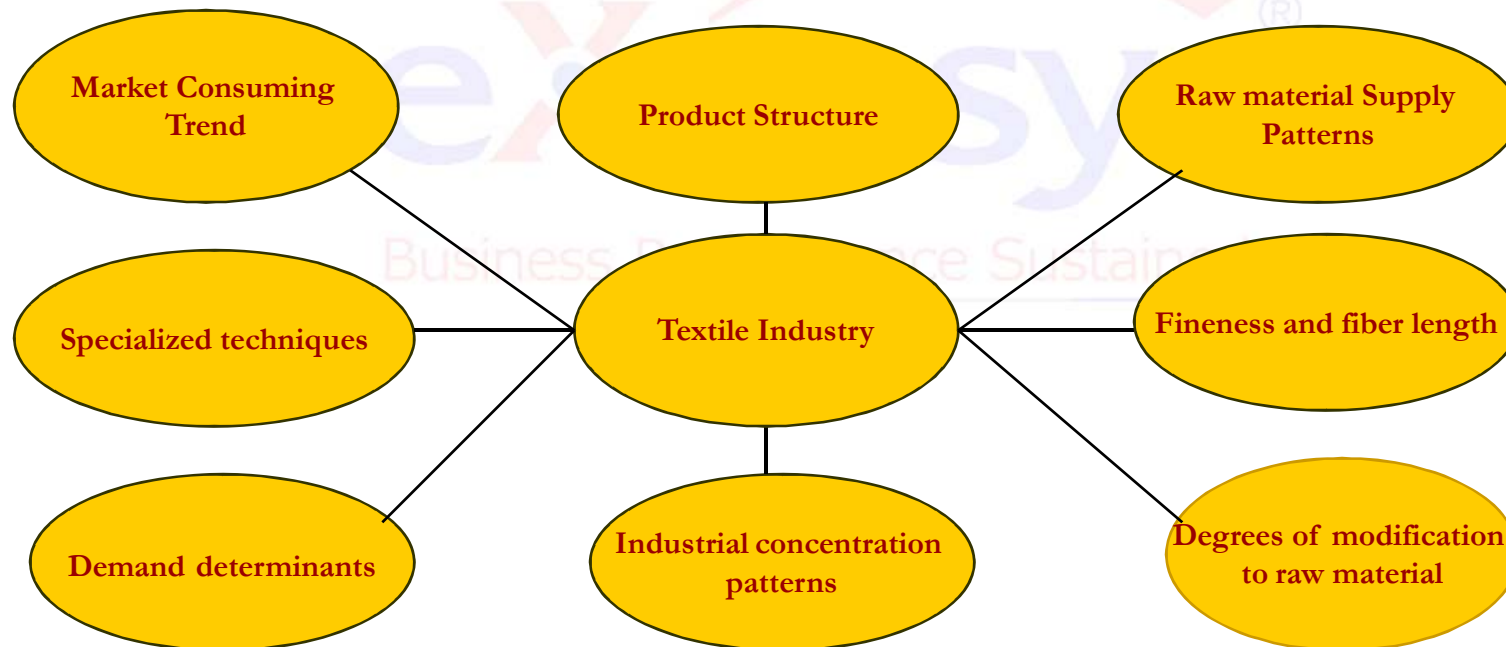


Industry Characteristics

Micro-Vertical – Textiles

Textile industry

Textiles are sometimes finished by chemical processes to change their characteristics. In 19th century and early 20th century starching was commonly used to make clothing more resistant to stains and wrinkles. Since the 1990s, with advance technologies such as permanent press process, finishing agents have been used to strength fabrics and make them wrinkle free. The characteristics of textile products demanded in the markets with in different developmental stages. small-volume production type fashion clothing which pertains to the last stage and needs to satisfy each individual consumer's taste.



Industry Characteristics

Micro-Vertical – Textiles



Production Plant – Process Layout , Forward Scheduling, Finite Capacity (With capacity addition facility)
Well Maintained Plant with regular preventive maintenance schedules

Key Processes 'n' Challenges

Micro-Vertical – Textiles

Key Processes

- Order processing, Scheduling & Delivery
- Purchase schedule to vendor from MRP
- Engineering BOM & Routing preparation, approval from customer
- Identification of critical resources through Rough-cut Capacity Planning
- QC inspection at incoming and in-house production
- Preventive & predictive maintenance schedules.

Challenges\Pain Areas

- Demand planning: Long-term sales forecasting
- Time period: Meeting customer delivery deadlines
- Production planning: Flexible production plans and reduction of plant setup time to meet customer order specifications
- Integration: Non-integrated IT approach resulting in lots of disparate IT systems
- Automation: Plant automation and quality management systems
- Pressures stemming from increased globalization, intensive supplier and sales markets, and outsourcing.

eXensys Best Practices

Micro-Vertical – Textiles

S.No	Pain Areas	Why do companies fail?	eXensys Best Practice
1	Demand Planning	<ul style="list-style-type: none"> ➤ Wrong Sales Forecasting ➤ Demand Consolidation problem 	<ul style="list-style-type: none"> ✓ Efficient Sales Forecasting ✓ Monitors new product development ✓ Master Scheduling and MPS
2	Production and Resource Planning	<ul style="list-style-type: none"> ➤ Non Flexible Production Plan ➤ Loading and unloading 	<ul style="list-style-type: none"> ✓ Optimum utilization of manufacturing resources ✓ Production Plan with Capacity Checks every level ✓ Tracking of quality checks at each level ✓ Process capability measurements ✓ Improves work force productivity ✓ Improves Sales
3	Integration	Non integrated IT approach	<ul style="list-style-type: none"> ✓ Providing Graphical user interface ✓ Cross function integration with other modules/departments ✓ Easy tracking of Man material and machine ✓ Manufacturing and supply chain Integration

