ITMA 2003
Preparation

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General Trends in Preparation

• Minor improvements in equipment
  – More automation and electronic controls
• Increased focus on elastic fabrics
• Low cost alternatives from Asian manufacturers
  – “Designed in Germany, Made in India”
Fabric Handling

• Tacome Roll Handler (one person operation)
Singeing

- Gematex Pyrotrop XP (indirect heating)
Singeing

- Parex Mather Tubular Singeing
Desizing, Scouring, Bleaching

• Then Autobleach Air System
  – Automated batch bleaching (~ 1.5 gall/lb)
Desizing, Scouring, Bleaching

• Tepa Pad Batch Bleaching (30% less electricity)
Desizing, Scouring, Bleaching

- Küsters Turboflush washer

Lower fabric tensions
Improved vacuum slot
Desizing, Scouring, Bleaching

- Benninger Trikoflex

Minimum fabric tensions
Special drum design
Desizing, Scouring, Bleaching

• Benninger Tempacta Conveyor Steamer

5 chemicals can be added individually.
Desizing, Scouring, Bleaching

- Menzel applicator for wet-on-wet processes
Desizing, Scouring, Bleaching

- Noseda Eltex-W washer

Open width elastic knits
Efficient oil removal
Minimum tensions
Desizing, Scouring, Bleaching

• Moenus Convitex-F

Woven fabrics
Modular design
Desizing, Scouring, Bleaching

- Moenus Spray-Flow Washer

Knit fabrics
Minimum tensions
Chemical dosing
Desizing, Scouring, Bleaching

• Moenus Store-Tex Conveyor Steamer

Minimum tensions
Roller bed conveyor
Teflon® coated fabric spreader
Mercerization

- Benninger Ben-Dimensa (hot mercerizing)
Mercerization

- Menzel Minimerc batch mercerizer
Solvent Scouring

- Laip Wash&Dry

Solvent cleaning of elastic fabrics
Heatsetting of Tubular Knits

• Icomatex Icofix (3 three strands simultaneously)
Heatsetting of Tubular Knits

- Heliot Rollset (two strands simultaneously)

Unique vertical design