

# Process Management

## Roving spinning

### Balancing cost and quality



#### Customer values

- Obtain techno-economic advantage
- Balancing cost and quality requirements for better profitability
- Quick response to technology changes
- Avoidance of production losses
- Instant stability in operation
- Trouble-free operation

#### Day 1

- Choosing the right roving hank/twist
- Understanding the role of the bobbin speed curve on roving stretch
- Best work practices in roving frame
- Importance of utilization/efficiency of ring/compact spinning machine in cost management
- Factors deciding twist multiplier/draft distribution/roller setting

#### Day 2

- Factors influencing end down in spinning machine
- Choosing the right ring traveller weight and profile
- Understanding cop build-up/speed curve
- Understanding of spinning geometry – spinning triangle/spinning length and spinning angle
- Technological components (cots/aprons/ring/traveller), maintenance schedule, and service life of technological components

#### Day 3

- Working principle of compacting
- Yarn quality – IPI/strength/hairiness; action required based on interpretation of the quality report
- Understanding and reading quality reports, keys factors for quality consistency
- Doffing and start-up process optimization – factors affecting start-up breaks
- Humidification/Rieter recommendation and its impact on machine performance

#### Duration:

- 3 days

#### Target audience:

- Supervisors and above – production, quality, maintenance, utility

#### Number of participants:

- Up to a maximum of 10 – 15

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