



WOOL PROCESSING PLANT FOR WOOLLEN TOPS OR TWISTED AND DYED SEMI-WORSTED YARN PRODUCTION



Product

Woollen tops (700 x 700 mm) packed in bales
or
Twisted and dyed semi-worsted yarns on cones with
Nm 15/4...20/4

Capacity

Wool washing plant 300...400 kg/h

Raw material

Wool fibres with fineness 19...30 μ
Fibre length 30...130 mm
Yield 45...55 %

Plant design

Production line

- ▶ Wool washing and drying plant
- ▶ Wool grease recovery plant
- ▶ Bale press and store
- ▶ Wool opening and blending line
- ▶ Carding section
- ▶ First combing section / pre-spinning
- ▶ Tops package press / ring spinning
- ▶ Assembling and two-for-one twisting
- ▶ Yarn dyeing and drying

Utilities

- ▶ Air conditioning / ventilation plant
- ▶ Electrical installation
- ▶ Fire fighting system
- ▶ Compressed air supply
- ▶ Steam generation plant
- ▶ Water and waste water treatment
- ▶ Internal transport equipment
- ▶ Workshops
- ▶ Laboratories

Services

Design of

- ▶ Technological, electrical and mechanical works
- ▶ Construction works
- ▶ Utilities

Delivery of

- ▶ Machinery and utilities
- ▶ Prefabricated buildings
- ▶ Civil construction works

General services

- Supervision of erection and commissioning
- Performance and acceptance tests
- Training of staff
- Technical assistance
- Management assistance
- Know how transfer for product design



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