

Tobacco





1 Raw tobacco storage

Ventilation

- Protection of the stored raw tobacco
- Quality assurance

2 Primary

Air conditioning

- Preservation of elasticity of the tobacco
- Dust reduction
- Achievement of high hygiene standards
- Compliance with required work place conditions

3 Cut tobacco storage

Air conditioning

- Preservation of elasticity of the tobacco
- Preservation of the tobacco flavor
- Achievement of high hygiene standards
- Assurance of product quality
- Stabilization of the hygroscopic balance

Tobacco

The distinctive hygroscopic features of the tobacco require defined air conditions during processing.

From the raw tobacco storage to the storage of the finished products the preservation of elasticity and flavors as well as the guarantee of high hygiene standards are decisive for a constant high product quality.

An efficient and trouble-free production is guaranteed through reduced dust concentrations and optimum air condi-

tions in the production area as well as in the Making and Packing area.

With the required process know-how and as a specialist for industrial air conditioning and air processing Voith continuously improves the air treatment systems for the tobacco industry.

Profitability, quality, and efficiency set the standards for our engineers and specialists.

The results are industry specific, innovative solutions, which are used in the tobacco industry worldwide and defining standards.

Our experience is based on planning and realization of numerous conditioning systems with high hygiene standards. This has also influenced the development of trend-setting innovations. Competence in process and mechanical engineering is the base for optimized



4 Filter production / NTM area

Air conditioning

- Reduction of static electricity
- Dust reduction / removal
- Achievement of high hygiene standards
- Assurance of product quality
- Compliance with required work place conditions

ventilation and air conditioning solutions.

System-oriented air distribution and filter technology, the use of energy saving potentials and intelligent power control, combined with state-of-the-art automation technology ensure investment and production security as well as low operating costs.

The Voith tobacco specialists are available from the requirement analysis and

5 Making and Packing

Air conditioning

- Gentle cigarette production
- Maximum efficiency of cigarette Making and Packing machines
- Dust reduction / removal
- Achievement of high hygiene standards
- Assurance of product quality
- Compliance with required work place conditions

the complete project planning up to the commissioning of the system and training of the personnel.

Voith service guarantees short response times and competent consultation for your system optimization.

6 Finished goods area

Ventilation

- Protection of the finished tobacco products
- Assurance of product quality

Energy savings and efficient 24-hour operation through reliable automation

Due to the integration of our automation systems the know-how of our specialists is available 24/7 to support maximum product quality as well as trouble free and economical operation.

Voith's intelligent automation modules reflect the entire experience of the air technology business.

The program for the tobacco industry

Air conditioning and process air systems for all areas of the tobacco industry:

- Raw tobacco storage
- Primary
- Cut tobacco storage
- Filter production
- NTM area
- Making and Packing
- Finished goods area / Storage area

Process engineering:

- Heat recovery systems
- Cold and warm water systems
- Process air systems
- Dehumidifying systems
- Steam and condensate systems
- Filtration systems
- BeltClean™: Automatic conveyer belt cleaning system

Automation:

- Process and building automation system based on Siemens Simatic® and Win CC®
- Technical consulting
- Software development
- Project planning
- Electrical, measuring and control design construction (CAE)
- Electrical installation
- System optimization
- Rebuilds and upgrades
- Assembly and commissioning
- Training

Service:

- 24 hour emergency service
- Maintenance
- Spare parts
- Measuring, analysis and optimizations
- Consultation and training
- Telemaintenance (modem/internet)
- Hygiene inspections (VDI 6022)
- Hygiene training

Voith Paper Air Systems GmbH
Dr.-Hans-Frisch-Straße 4
95448 Bayreuth, Germany
Tel. +49 (0) 921 293-0
Fax +49 (0) 921 293-105
airsystems@voith.com

www.airsystems.voithpaper.com

VOITH
Engineered Reliability