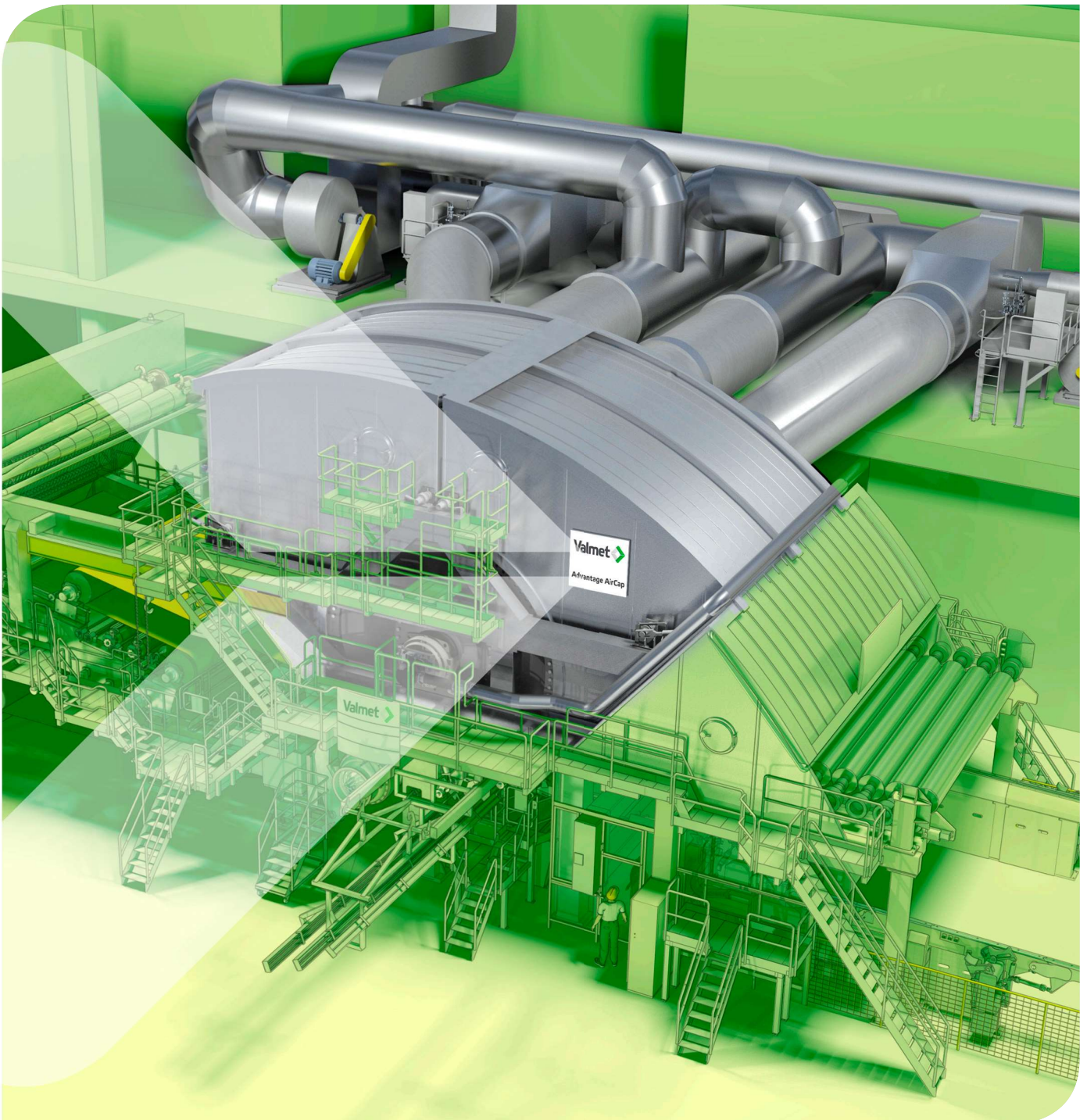


Advantage™ AirCap™

State-of-the-art technology for the tissue drying process





Proven technology to meet today's challenging market

When investments are strongly driven by the need to be more competitive, improve product quality, while being environmentally responsible, Valmet Advantage Air-Cap (AAC) is the answer.

We offer you our 50-year experience with more than 500 Yankee hoods successfully delivered worldwide, as well as our continuous research and product development - for instance at the Pilot Plant facilities of the Tissue Technology Center in Sweden - based on the latest energy, environmental and customer requirements.

Drying and energy efficiency

- Well proven construction to optimise the distance between hood and cylinder on the whole AirCap wrap at all operating temperatures
- Yankee hood to cylinder distance can be set from 20 mm down to 15 mm
- Controlled thermal expansion for the longest life cycle of equipment in the industry
- Possible special construction and materials for operating temperatures up to 700°C
- Can be combined with a Waste Heat Steam Generator to maximise energy efficiency

Air system

- Dimensioned and designed to optimise energy efficiency and reduce emissions to the atmosphere
- Natural gas, LPG, steam, diesel oil and dual fuel burners, as well as steam and diathermic oil heated systems
- Heat recovery systems for:
 - steam generation
 - combustion and make-up air
 - room ventilation
 - fresh and process water for the best utilisation of exhaust air energy
- Possibility to utilise co-generation (CHP) exhaust gases

Profiling

- Effective moisture profile regulation on the Wet End
- Additional profiling zones on the Dry End edges to control over-drying
- Manual or actuator controlled profiling zones

Valmet Advantage AirCap and High Velocity Hood: two of a kind

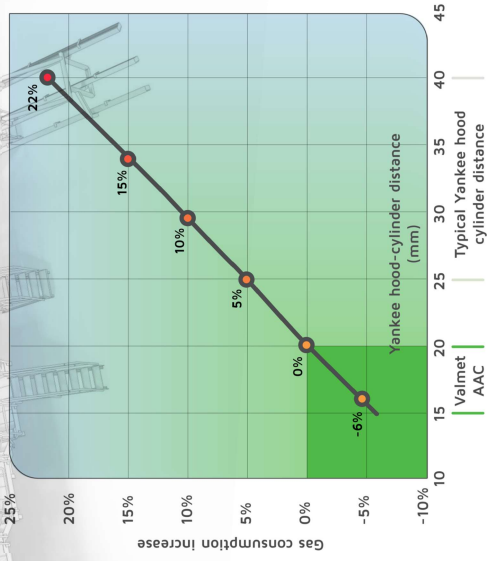
- Advantage AirCap: the perfect solution for new machines, but also for some major rebuilds
- High Velocity Hood: Compact type (incorporated fans and burners) when little space is available for the air system
- High Velocity Hood: suitable for any type of rebuild, both with conventional and high temperature

Washable AirCap roof

- Automatic washing system to remove dust from the hood roof; thus preventing the risk of fires
- Provides a healthier and safer working environment
- Reduces downtime needed for cleaning and maintenance
- Can be integrated with the Dry End Dust Cap washable roof of the Advantage WetDust system

Advantage BalanceControl™ (ABC)

- Provides optimal and automatic balance control of hood and air system for any production range
- Sends remote set-points to existing control system for main hood and air system components
- Boosts productivity while reducing and ultimately minimising energy consumption
- Possibility to remote-control and modify parameters on-line, as well as to connect directly to Valmet experts for remote diagnostics on the drying process



Yankee hood to cylinder distance can be set from 20 mm down to 15 mm



The innovative patented concept makes use of a fully wet system, eliminating typical issues associated with “dry systems” (fires and plugging). Valmet Advantage WetDust system is designed to capture dust where it is created by encapsulating it in water, to contain it near the source and to prevent it from migrating to the tissue machine hall. The equipment provides a healthy, safe and comfortable working environment for tissue machine operators and minimizes manual cleaning, thus reducing machine downtime.



Today almost any investment in a tissue mill is driven by the need to reduce energy consumption, to optimise the process and to decrease the environmental impact. Approximately 70% of the energy used in a mill goes to the drying process (Yankee hood and Yankee dryer) and this means that there is a great potential for energy saving. The implementation of effective Valmet solutions leads to reduced costs and increased profitability, while respecting the environment.

Valmet S.p.A.

Via Gregorcic, 46
IT-34170 Gorizia, ITALY
Tel +39 0481 528 311
valmetitaly@valmet.com

**Valmet Inc.
Biddeford Service Center**

516 Alfred Street
04005 Biddeford, Maine, USA
Tel +1 207 282 1521
napaper.service@valmet.com

Valmet AB

Axel Johnsons väg 6
SE-651 15 Karlstad, SWEDEN
Tel +46 54 171 000
tissue.info@valmet.com

Valmet Ltd/Ltée

400 Memorial Avenue
P7B 3Y5 Thunder Bay, Ontario, CANADA
Tel +1 807 346 7100
napaper.service@valmet.com

For more information, contact your local Valmet office. www.valmet.com
e-mail: use generic e-mail address (paper.service@valmet.com)
Specifications in this document are subject to change without notice.
Product names in this publication are all trademarks of Valmet Corporation.

