

Tissue in a sustainable world Efficient and eco-friendly



Voith is the technological leader for efficient, resource-saving tissue production. Using new processes and concepts, the company is working intensively on the paper production of the future. For example, the ATMOS process has revolutionized the production of premium tissue paper and makes tissue plants more efficient and economical.

Save resources, turn paper into paper

Every child knows: recycling waste paper protects the environment. More recycled paper means lower consumption of valuable raw materials such as virgin wood fiber. And most of all: using recycled paper means that up to seven times less water and energy are used. Voith engineers have continually improved and refined the process of paper recycling.

Sustainably soft – quality tissue from recycled fibers

Without tissue papers, our daily life would simply be unthinkable: be it facial tissues, hygienic papers, napkins or kitchen roll.

With ATMOS, Voith has revolutionized the manufacturing process for these papers. For the first time, premium quality tissue can now be produced from 100% recycled paper.

Moreover, machines with ATMOS technology need just 60% of the energy of comparable plants and require a quarter less fiber. ATMOS was developed in inter-continental cooperation between Voith engineers in Brazil, Germany and USA.

Think sustainably, think Voith

Voith has always been committed to the development of new technologies and reliable solutions for the tissue industry. Recently, there have been additions to this portfolio with the aim of reducing the energy and fiber consumption in tissue paper production.

IntensaPulper

IntensaPulper achieves an optimum pulping and 30% energy savings due to a new rotor position and design.

Pluralis

The maximized, cutting-edge length of Pluralis refining discs result in up to 20% energy savings, while guaranteeing best refining.

TissueForm V

The forming fabric TissueForm V provides the unique combination of high fiber support, high drainage, and excellent stability which is a necessity for high speed Tissue machines. With its unique warp exchange principle it is promoting fast dewatering and low energy usage.

Evolution Press Fabric

Along with the advantages of improved dewatering in the nip and quicker startup times, Evolution can reduce the thermal drying energy required for the tissue web. It is kept at a low level over the entire life time of the fabric.

Yankee head insulation

This insulation enables the tissue producer to lower the steam consumption of the yankee hood by up to 8%.

ATMOS

With ATMOS switching between premium and standard tissue is easily possible. Furthermore, it can produce premium tissue with up to 100% recycled fibers while saving 60% energy.

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