

Innovation Meets Competence: Kelheim Fibres' Wetlaid Pilot Plant



Kelheim
Fibres

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Installation Layout

The Motivation

A detailed understanding of the customer's products and an appreciation of the customer's business is crucial for development work. Only this allows fibres to be offered that are genuinely tailor-made and meet the customers' needs as precisely as possible.

Kelheim Fibres also recognises that customers face some challenges when starting innovative product or process developments: test runs on big production plants are expensive and disrupt regular production campaigns. Kelheim Fibres' in-house pilot plant allows customers to take the first steps in developing innovative papers without these restrictions – and engineer their new products in close cooperation with Kelheim's R&D fibre experts.

The System

The pilot plant has a strong focus on the practical side of customers' development work and with the support of Kelheim's R&D experience, the pilot plant helps them to:

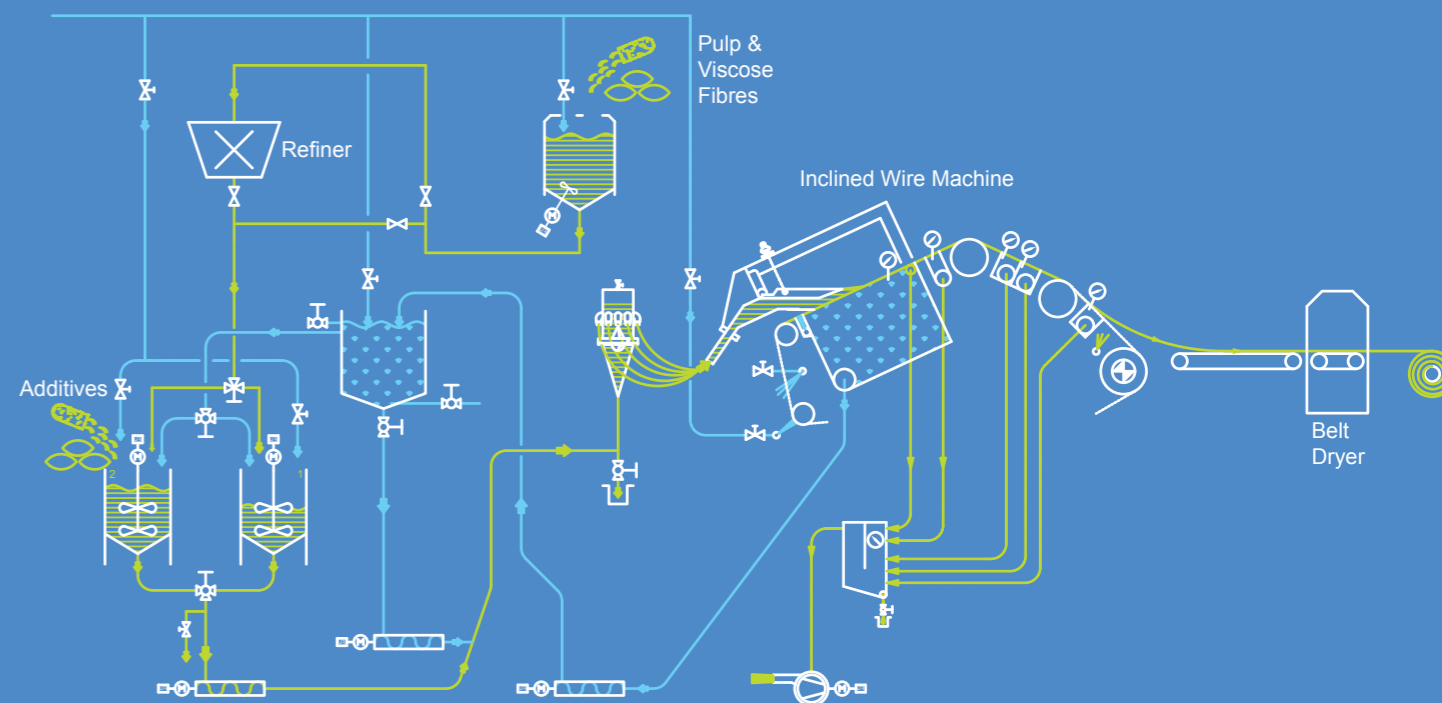
- upscale laboratory results and prepare production trials cost-effectively
- obtain reliable and scalable test results while varying a wide range of parameters
- create a wide base of data by allowing a high number of trial runs per day

Your Benefit

Kelheim Fibres invites you to make full use of the possibilities the technical centre has to offer: you can fully explore the benefits speciality viscose fibres deliver in your new product, and discover the unique tailor-made fibre perfectly matched to your product's prime requirements.

Kelheim Fibres also offers further services including the production of sample sheets for paper or nonwoven applications, and testing of fibre quality and processability.

To discuss the opportunities offered by the pilot plant and associated services, please contact our service team.



Inclined Wire Plant Configuration:

Pulper, Refiner
2 stock chests
Rotary distributor
Inclined wire line with vacuum system
Continuous through-air dryer, Winder for 3" cores
Reproducible results assured by electronic frequency converter
1-layer headbox

Technical Data:

Width: Wire 360 mm, Sample 300 mm
Speed: 1-10 m/min
Wire inclination: 20°
Grammage: 20 – 200 gsm
Drying: 100 – 200 °C, approx. 40 kW
Volume flow [water]: max. 550 l/min
Minimum pulp quantity: 1 kg/batch



Kelheim Fibres GmbH – Innovation makes the difference

Kelheim Fibres is the world's leading producer of viscose speciality fibres. At our plant in Kelheim, Germany, we combine innovative technology with technical expertise and outstanding customer service.

Approximately 90,000 tons of viscose fibres are produced and tested in Kelheim every year - and are then used in a diverse range of end applications. Our high-quality fibres are exported to 44 countries on 5 continents.

Innovation is at the core of everything we do. We build and encourage development partnerships with our customers, using the pilot facilities available in Kelheim to develop perfectly customized fibre solutions. From high-tech clothing to hygiene products and speciality papers, manufacturers of a wide range of end products put their trust in our fibres. Through partnership with our customers we jointly develop the solutions to tomorrow's problems.

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