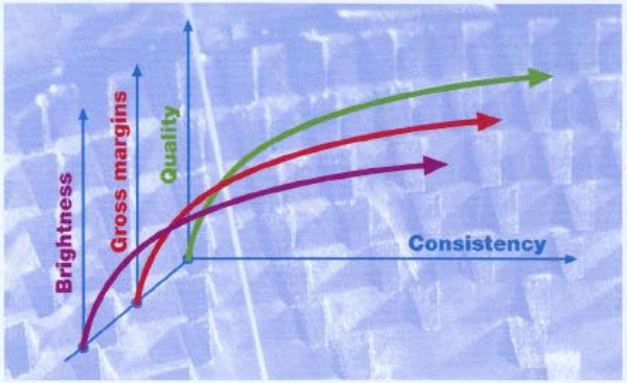
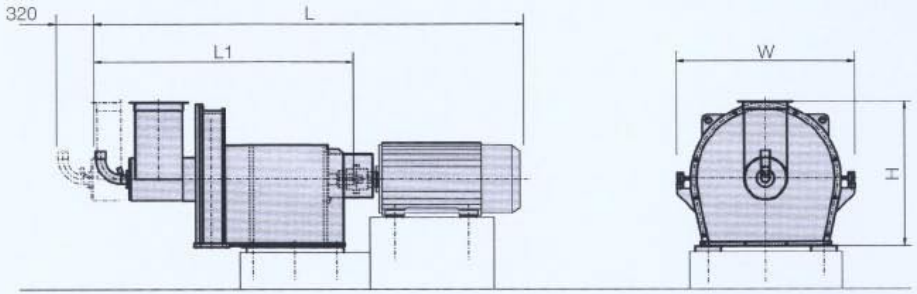
Your Fast Track to Higher Profitability

- optimum mixing
  ➡ saves chemical costs
- low energy input
  ➡ saves operating costs
- simple design for high uptime
  ➡ saves maintenance costs
- high pulp quality
  ➡ increases gross margins

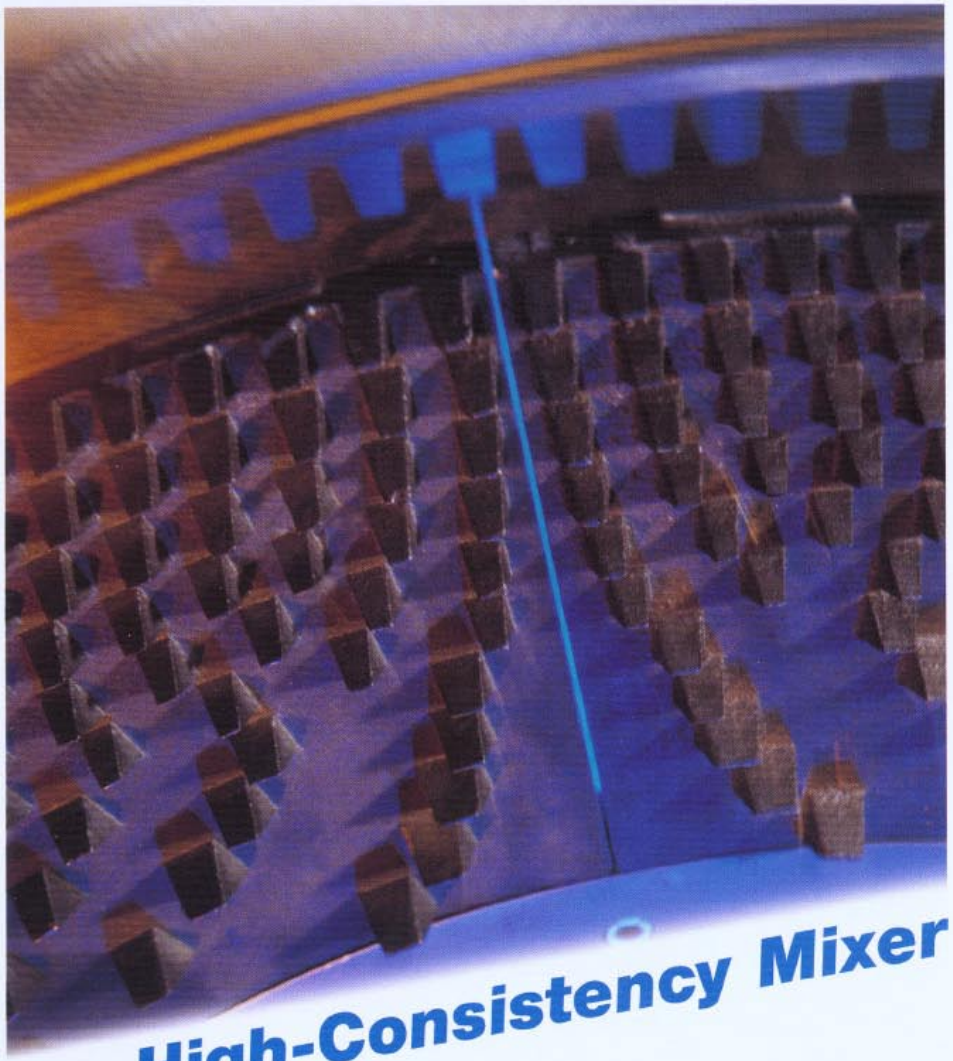


Technical Data:



Type	L (mm)	L1 (mm)	W (mm)	H (mm)	Weight without motor (kg)
HCM3HH	3700	2205	1520	1235	4200
HCM4HH	4750	2925	1740	1710	6600

All data subject to change



High-Consistency Mixer

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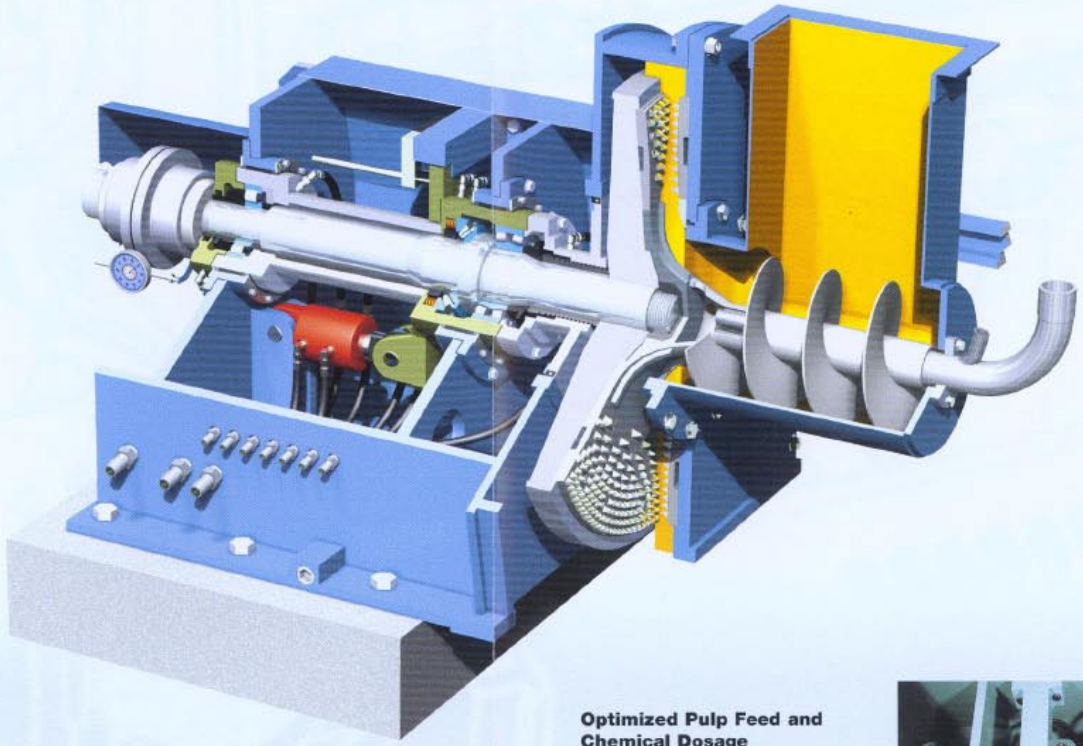
PULP TECHNOLOGY

ANDRITZ

Andritz High-Consistency Mixer
Success through efficiency and economy

Andritz is the recognized world-wide leader in high-consistency bleaching technology.
Intensive development work and constant refinement ensure state-of-the-art mixing technology.
Andritz High-Consistency Mixers not only offer excellent brightness, they also provide efficient and economic utilization of chemicals and energy.



Your Advantages with the Andritz HC-Mixer

- excellent pulp brightness
- low energy input
- reduced chemicals
- maximum fiber surface (fluffing)
- intensive chemical mixing

Wide Range of Applications

- for pulp consistencies from 23 % to 50 %
- for HC peroxide bleaching
- in HC ozone stages
- as fluffer ahead of flash dryers

The Process

An integral feeder transports the pulp into the mixing zone, where liquid chemicals are directly sprayed onto the pulp. The pulp is then fluffed between a rotating and a static toothed disc plate.
Here, two essential process stages are carried out simultaneously:

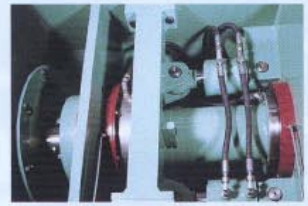
- fluffing of the pulp for maximum accessible fiber surface
- intensive mixing of the chemicals with the fibers for perfect bleaching efficiency.

Hydraulic cylinders provide fast and easy gap adjustment between the disc plates for optimum fluffing and mixing conditions.

After mixing, the pulp drops into a screw conveyor or is fed directly to the high-consistency tower.

Optimized Pulp Feed and Chemical Dosage

- feeding screw mounted on the rotor shaft
- optimized chemical dosage directly into the mixing zone via two separate stationary pipes
- no rotary lead-through required



Efficient Mixing Zone by Gap Control

- design and tooth geometry for efficient mixing
- easy gap adjustment and fast plate release via hydraulic cylinders
- no impact on fiber properties, e.g. no latency

Maintenance Features

- long disc plate life
- easy retraction of stator on special tracks
- virtually no scaling
- no mechanical seals
- complete rotor assembly can be dismounted in one piece
- oil lubricated bearings