



Pentek DREAMAIR: Continuous range for enzymes and chemical process in rope form

Pentek is the result of a relentless activity of devoted management, focused on a simple target: New equipment for value added effects. The strong personality and pro-active energy of the key people convey and spread passionate commitment to the company.

DreamAIR was born upon the dream of performing all specialty wet finishing which requires high mechanical action (enzyming, caustifications, fibrillation, weight reduction etc..) in a continuous process, with total repeatability and safe from any crease marks, lusterings or abrasions.

In other terms the challenge was to overcome the limits of current discontinuous finishing equipment (air tumblers, air flow dyeing equipment, rotary drum tumblers etc.) and give all sensitive finishers the chance to unchain their creativity and access to high end added value finishing in an industrial and safe mode.



The combination of intense mechanical action with chemicals within a continuous process, moves forward the finishers creativity, setting DreamAIR as the new benchmark of added value finishing.

DreamAIR opens up new frontiers of finishing in the various fabric compositions and applications, from silky goods to shirting to bottom weights up to home fabrics and knitwear. A huge variety of potential solutions for anyone who seeks to escape from the price battle and breath - for a while - the healing air of uniqueness: Let Yourself Be a DreamAIR!

Air Jet Transportation: The powerful action of the air through the centrifugal blower, smashes the goods back and forth every 25-35 seconds in an alternated motion, thus enabling an intense mechanical action within a short permanence time, free from crease marks.

Dynamic Nozzles: 4 overflows per module, 2 in stream and 2 against the stream keep the fabric constantly wet with water & chemicals. The dynamic nozzles enable the fabric inversion (international patent).

Dosing Station: The whole setup is totally flexible with a customized number of pumps for chemicals and auxiliary precision dosing (caustic soda, enzymes, acetic acid, etc).

Hydraulics: Each kier is equipped with its own pump, filter and heat exchanger for independent temperature control. Kiers can be split into two different channels to enable separate chemical applications. ♦