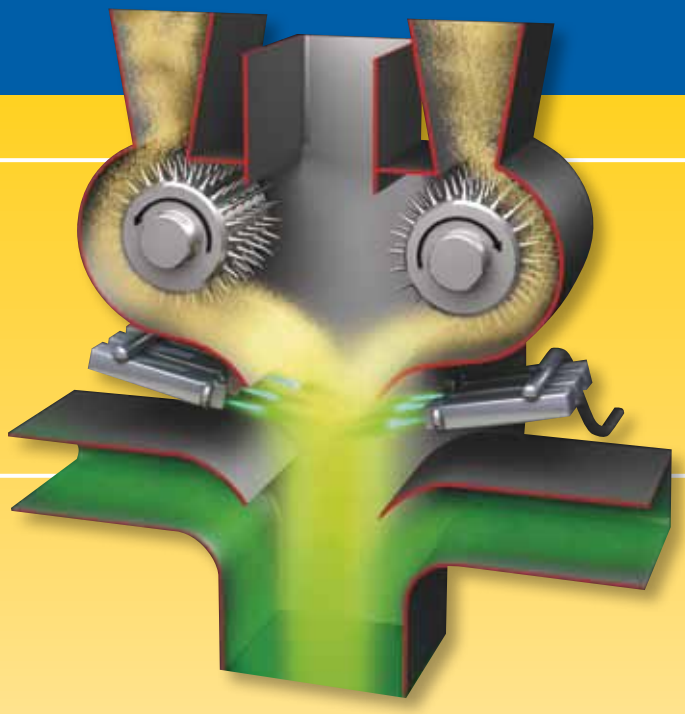
EVOjet™

dry resin blending system

No spots and up to 50% resin savings with unique EVOjet™ solution



Main features:

- Mechanical fluidization and homogenization of fiber flow
- Effective distribution of the resin on the fiber
- No build-ups of resinated fiber
- No spots on the panel surfaces
- Major savings in resin costs

SUNDS MDF TECHNOLOGIES

DIEFFENBACHER GROUP

EVOjet™

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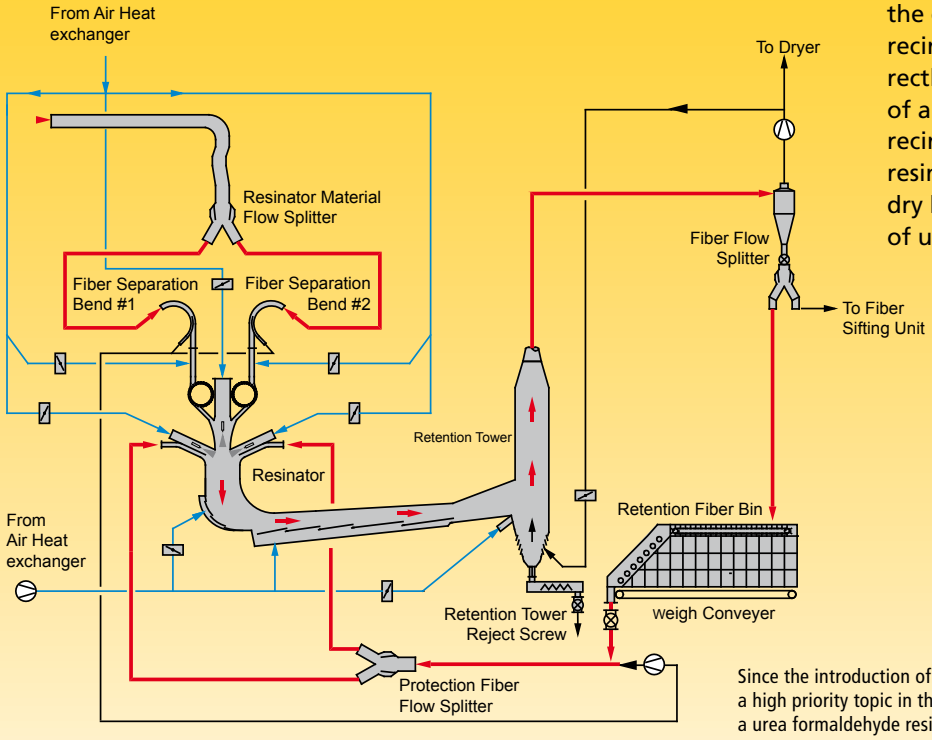
Sunds MDF Technologies (a member of the Dieffenbacher group) perfects the dry resin blending concept

The new EVOjet™ system secures a perfect resination with a combination of a large surface area of fibers in the conveying air and an effective resin distribution. The system provides all the benefits of traditional blow line blending but none of its drawbacks. The EVOjet™ system is simple and reliable and requires a minimum of maintenance, thus reducing the operating costs further. Reduced emissions from the dryer is another valuable benefit of the system.

No spots and up to 50% resin saving

The EVOjet™ system is based on the principle of mechanical fluidizing and homogenization of a fiber flow. The separation rolls – not wider than a conventional forming line – rotate at a speed of 2,000 rpm and effectively separate the fiber agglomerates. The fiber flow is maintained in a homogeneous condition at the point of the resin addition to avoid effective distribution of resin on the fiber.

To avoid fiber build-ups on the duct and increase the cleaning interval, resinated , but dry fiber is recirculated and introduced in the duct system directly after the resination point. The combination of a high resin concentration to fiber flow ratio, recirculation of fiber and a precise position of the resin nozzles makes the EVOjet™ the only true dry blending system offering a reduction of resin of up to 50%



Since the introduction of MDF, the resin technology of the wood-based fiber has been a high priority topic in the wood-based panel business. The cost for the binder, normally a urea formaldehyde resin, corresponds to 20-30 % of the specific production cost.

... please contact us for further information

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