

Infinite Opportunities



Flax



Paper



Cotton
- low grade



TCMP



Wipes



Cotton



Mixed textile
w/foam



Carpet waste



Mixed textile



Composites: glass fiber (picture) / carbon / natural fibers / granulates / recycled fiber material

SPIKE Forming Test Facility: Available for testing and forming of all types of fiber material and applications

SPIKE[®] AirCarding



SPIKE® AirCarding Technology

The Formfiber Denmark SPIKE AirCarding Technology (patented) is an advanced webforming system which enables manufacturers exceptional flexibility in both production and cost reduction.

The principle of rotating spikes guarantee a homogenous blend of the fiber material prior to the webforming – hereby ensuring an optimized and consistent quality.

The versatile SPIKE technology applies to all traditional air-laid and carding markets, product applications– and beyond!



The SPIKE technology allow for simultaneous use of fibers varying in lengths and quality

SPIKE Specifications:

Capacity	500 - 1.000 kg/h (1.000 mm width)
Fiber capability	Natural & synthetic fibers Recycled & inhomogeneous waste Granulate
Fiber length	1 – 75 mm
Product range	4,5 – 10.000 gsm
Web height	1 – 400 mm
Production width	250 – 5.000 mm
Line speed	Up to 200 m/min



Uniform distribution of fibers ensures consistent quality

SPIKE® Advantages

Formfiber Denmark offers a multipurpose webforming (machine) technology. Formfiber Denmark's customized design guarantees that each SPIKE former will meet the client's specific requirements - and include the following process advantages:



One technology – multiple applications!

SPIKE Advantages:

- One forming technology – multiple market applications
- Reduction of bi-component bonding fibers
- Manufacture products with short / long fibers & powder / granulates - simultaneously
- SPIKE forming can be combined with all bonding methods
- Low vacuum required for the production of light weight high loft webs
- Installation requires less space
- Lower incremental investment
- Low operating cost
- Low maintenance

Cost effective product optimization:

Top – carded flax insulation (20% bi-co fiber)
Bottom – SPIKE flax insulation (5% bi-co fiber)

