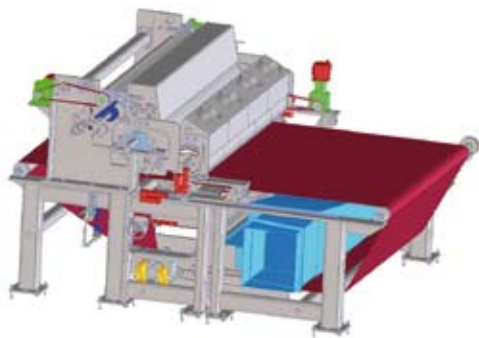
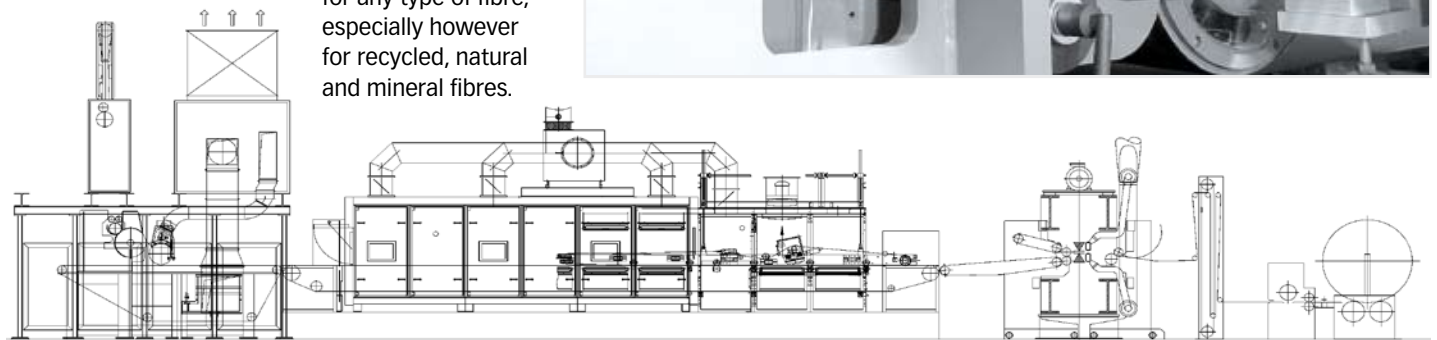
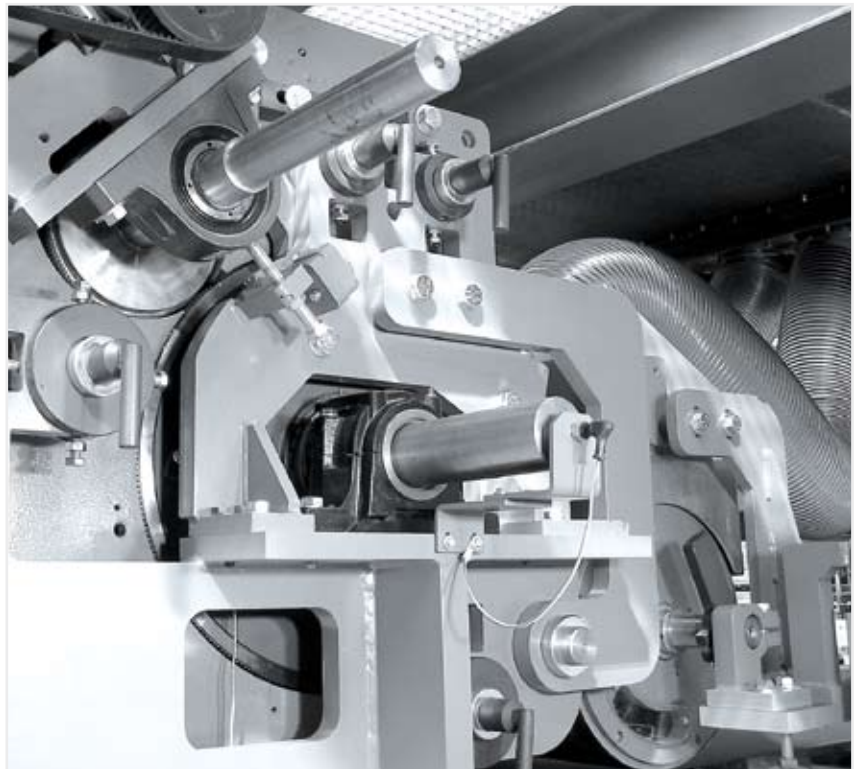


Aerodynamic web forming is an advantageous method when the shorter staple range of recycled fibre (shoddy) or various natural fibres such as flax, kenaf, hemp and cotton, and mineral fibres, particularly glass, are considered. These play an important role for applications in the automotive sector as moulded parts, or in felts for sound and heat insulation. Aerodynamic web forming is particularly applicable when such fibres must form a highly voluminous product for insulation applications in the building industry or for waddings (highloft) and paddings in the garment, upholstery and bedding sector. In addition to web forming by carding and crosslapping the DiloGroup offers two series of aerodynamic web forming machines:

1. The "TurboUnit" and "TurboCard" series for fine fibre and the lower weight range with applications in the medical, hygiene and cosmetic field.

2. The new "Fiberlofter" series for the medium to higher weight range for universal applications and for any type of fibre, especially however for recycled, natural and mineral fibres.



The "Fiberlofter" aerodynamic web forming unit consists of dosing opener, chute feed, feed pan and feed roll, Turbo roll and aerodynamic funnel with suction fan underneath an air permeable screen apron as the web forming section.

An additional screen roller with suction allows a wide range of weights and volumes to be formed.



Working widths: 1.2 m, 1.8 m, 2.4 m, 3 m, 3.6 m, 4.2 m, 4.8 m, 5.4 m

Throughput capacity: up to ca. 1,000 kg/m of working width

Weight range: ca. 300 – 3,000 g/m², depending on fibre material, fibre density, staple length and fibre fineness

General technical data

After the Fiberlofter two different consolidation techniques for highly voluminous products may apply:

1. Thermo-fusion when low-melt fibre or bi-component fibre is part of the fibre blend.
2. Light needling from two sides in a double punching unit with down-stroke and upstroke boards running in simultaneous mode.

Subject to alterations.

All data are approx. values and without obligation.

DILO SPINNBAU

D-28763 Bremen • Postfach 71 03 60
Tel. (04 21) 68 89-0 • Fax (04 21) 68 89-1 30
info@spinnbau.de www.spinnbau.de