

DILO GROUP

ENGINEERING FOR NONWOVENS

PRESS RELEASE

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DiloGroup at IDEA 2013 Hall C, Booth No. 1719

Dilo is the premier builder and supplier of complete nonwoven lines for staple fibre products.

Recent machine concepts from Dilo Group companies DiloTemafa, DiloSpinnbau and DiloMachines will be promoted with an emphasis on new equipment components to improve web quality and uniformity applicable to all bonding processes.

DiloTemafa has introduced the DON dosing opener as a link between the opening/blending operation and card feeder. This ensures that fibre flow to this feeder is both consistent and continuous.

DiloSpinnbau has the Multifeed card feeder in widths which can exceed 5m. This unit is equipped with a twin fibre delivery system in the upper chamber which provides further fibre mixing. A two roll opening stage allows fibre into the lower chamber with further separation and subsequent mixing by mechanical means and air movement derived from the permeable delivery apron.

Such a unit can deliver 400 kg//m/hr of 1.7 dtex fibres with a cross direction evenness CV of 2-3 immediately prior to the card. Changeover times with this Multifeed system are fast thus reducing downtime and web reprocessing requirements. Machine direction evenness is controlled by a weighbelt scale linked to the card infeed.

Multifeed can be used with all DiloSpinnbau card types in crosslapping applications or with high speed cards in series for hydroentanglement web formation.

This card range has been extended by the Multicard which offers roller infeed, a breast cylinder with three worker/stripper pairs and a 1500 mm main cylinder with a further five roller pairs. This is a double doffer system with the possible activation of condenser rolls for heavier webs. Such a card will handle the full range of fibre fineness and length with a web speed potential up to 150 m/min and offers an economic solution for cross laid nonwoven production.

DiloMachines offer both vertical (HL series) and horizontal (DL series) crosslappers with the former arrangement providing infeed speeds up to 200m/min.

The Dilo DL lappers operate in an infeed speed range of 80-160 m/min depending on application and specific model used. In addition to high infeed speeds new apron arrangements have been used to give high layering precision based on excellent web control. These machines have been supplied up to 16m in width for papermachine clothing applications.

The further development of needlelooms continues. Elliptical and circular needlebeam movements are used to control drafts in the needling zone and also provide high speed felt production in the 30-80 gsm weight range.

All these topics can be discussed in detail at our booth #1719. We look forward to seeing you.