PRESS RELEASE

May 10 aw

DiloGroup at ITMA Asia and CITME
Booth No. A06 in hall E1

At the forthcoming joint exhibition of ITMA Asia and CITME in Shanghai from June 22 –26, 2010 the DiloGroup will exhibit latest textile samples and product development results from the Dilo Textile Research Centres to provide information about complete line installations comprising machines for bale opening and blending from DiloTemafa, carding or aerodynamic web forming from DiloSpinnbau, crosslapping and needling from DiloMachines. In addition to needling other bonding technologies such as water entangling, thermo and chemical bonding are available from DiloSystems in close co-operation with well-known leading partners. Therefore, the full range of web forming and consolidation technologies is offered for complete line installations worldwide.

At our booth No. A06 in hall E1 we will provide general information about all kind of nonwovens. Special emphasis will be laid on new equipment components to improve web quality and uniformity applicable to all bonding processes.

DiloTemafa shows the latest design of its web edge opener in a working width of 0.5 m. This machine reopens the web edges which are cut after needling and feeds them back into the manufacturing process, thus saving fibre costs.

Web edge opener

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Furthermore, DiloTemafa will inform about the DON dosing opener which serves 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 provides information about the newly developed MultiFeed card feeder which is available in working widths exceeding 5 m. This unit is equipped with a twin fibre delivery system called “Twinflow” in the upper chamber which provides further fibre mixing. A two roll opening stage allows fibre into the lower chamber for further compaction by mechanical means and air movement derived from the permeable delivery apron.

MultiFeed with Twinflow

Such a unit can deliver more than 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 recently 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 offers both vertical (HL series) and horizontal (DL series) crosslappers with the former arrangement providing infeed speeds up to 200 m/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 are available in working widths up to 16 m for papermachine clothing applications.

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Crosslapper for papermachine clothing applications in 14.5 m working width

The further development of needle looms continues. Elliptical and circular needle beam movements are used to control drafts in the needling zone and also provide high speed felt production in the weight range from 30 – 80 g/m².

Complete nonwovens production line

At the forthcoming ITMA Asia / CITME show in Shanghai from June 22 – 26, 2010 DiloGroup will be pleased to inform you about all these technical improvements. We look forward to welcoming you on our booth No. A06, hall E1.

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