

DILO GROUP

ENGINEERING FOR NONWOVENS

PRESS RELEASE

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Successful ITMA ASIA + CITME 2014 for the DiloGroup

On the occasion of the ITMA Asia + CITME which took place in Shanghai from June 16 – 20, 2014, DiloGroup presented its nonwoven production lines made in Germany and provided information about the various machines and services offered by its companies – DiloTemafa, DiloSpinnbau, DiloMachines and DiloSystems – to a large public, not only from China, but the complete Asian region as well as Australia and the Middle East.

The visitors were very interested in the different applications such as the production of filter media, automotive nonwovens, geotextiles, artificial leather as well as medical and hygiene articles. The DiloGroup engineers explained the advantages of the Hyperpunch needling mode, answered questions regarding the MultiFeed card feeding unit and went into the simplified cleaning details of the MultiCard.

Considering rising energy and raw material costs, all nonwoven producers were interested in energy and raw material saving possibilities. In recent years DiloGroup has concentrated on developing new equipment to improve operation efficiency, web quality and uniformity with positive effects on all staple fibre bonding processes. All these elements are part of the “Dilo – Isomation Process” and aim at an even web mass for reduced fibre consumption as raw material is the biggest cost factor in textile production.

One machine contributing to this process is the dosing opener DON manufactured by DiloTemafa which includes a fine opening stage. It delivers the fibrous material continuously and homogeneously to the card feeder.



Dilo needling lines



Another step to improve evenness is the card feeder MultiFeed designed by DiloSpinnbau which is available in working widths up to 5 m. This machine using the “Twinflow” infeed system offers a capacity of over 400 kg/hour/m of working width when processing 1.7 dtex fibres. It thus represents a state-of-the-art feeding solution for direct cards. The use of a “Twinflow” infeed applies the doubling effect for a more homogeneous flock mass flow.

The Spinnbau MultiCard provides high production availability due to its easy and fast accessibility for cleaning and maintenance work. It handles the full range of fibre fineness and length with a web speed potential of up to 200 m/min and thus represents an economic solution for cross laid nonwoven production.

Dilo crosslappers provide infeed speeds up to ca. 200 m/min (HL series) and over 160 m/min (DL series). The DL series may be equipped with the Webguide from DiloMachines which also provides web homogeneity at high speeds and therefore results in significant fibre savings. DiloMachines offers a complete range of vertical and horizontal crosslappers, which ensure high layering precision based on excellent web control up to working widths of 16 m.

The sales program of DiloMachines includes the entire range of needlelooms, from single board needling on one side to two boards from each side, plus structuring and patterning specialty looms. Endless felt tubes can be needled and also wide working width belts 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 to provide high speed felt production especially in the low weight range.

DiloGroup is the premier builder and supplier of complete nonwovens lines made in Germany for staple fibre nonwoven production. Each line is specifically engineered to customer needs.