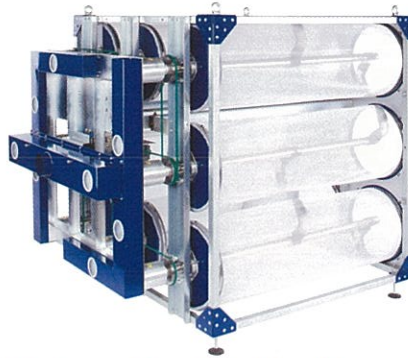


## Modular air filters

Germany's LTG Aktiengesellschaft will be presenting its latest developments in components for air conditioning in buildings and for industrial air applications such as fans, filters and dust collectors.

The LTG CompactDrum Filter Type CDF was designed to meet the industry's demands for high performance, compact design and low-maintenance operation. One module of this fine filter consists of several filter drums that are continuously cleaned through rotating nozzles. The modules can be arranged in line or piled up as required. Dividing larger units into smaller ones ensures easy transport and handling on site.

The system works by guiding the air from the inside to the outside, where the dusty air is led through the filter drums from the inside so that the dust deposits on the inner surface from where it is continuously being removed. As a result,



LTG's Compact Drum Filter drive side.

100% of the separated material can be recycled or disposed of. Continuous regeneration also provides a constant course of pressure within the system.

If multi-stage filtering is required, the Compact Drum Filter can be supplemented with a coarse filter. This rotating, continuously cleaned filter disc is particularly suitable for exhaust air with a high fibre and particle content of various materials, sizes and shapes.



Compact Drum Filter with prefilter.

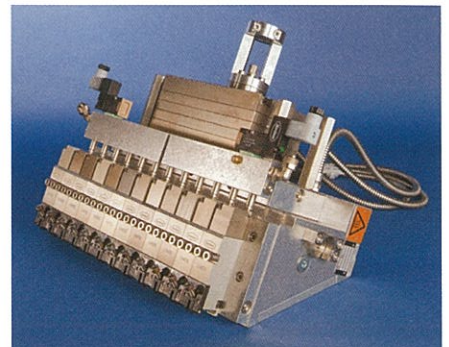
## Flow-monitoring and control

Nordson Corporation specialises in precision dispensing equipment that applies adhesives, sealants, coatings and other materials to both consumer and industrial products. The company also manufactures equipment used in the testing and inspection of electronic components, as well as technology-based systems for curing and surface treatment processes.

The company will be showcasing its new, patented Universal TruFlow Adhesive System flow-monitoring and control package in Geneva, featured on an active machine at speeds demonstrating up to 1,400 diapers/minute. The system is designed to help disposable hygiene manufacturers minimise ramp-up time and minimise waste with flow monitoring using passively-driven gear metering.

New adhesive applications, such as a non-contact garment attachment, will also be shown under real conditions with machine speeds of up to 2,500 pads/minute.

Nordson will also demonstrate established equipment, using universal application technologies that allow users to select from different processes for disposable hygiene production. A presentation identifies the recommended



Nordson's Universal TruFlow Adhesive System.

## Boosting efficiency

NSC Nonwovens will be launching its latest innovations in card technology and airflow control systems.

The TT Excelle card is designed for the drylaid production of nonwovens and its technology has been developed to consistently obtain MD/CD strength ratios under 3/1 at production speeds in excess of 250 m/min. Following trials, the TT Excelle card system has also shown improved bonding index values at increased production speeds, combined with a rise in CD strength of up to 80%. The card design is said to work the fibres more gently than other conventional cards, while low draft during the process preserves the web structure. Reduced fibre breakage also means there is less need for maintenance and higher productivity. The company says the TT Excelle technology is also suitable for applications across the hygiene industry, but especially for ADLs (acquisition and distribution layers). The card system is said to generate extra bulkiness when compared with conventional carding technologies, enabling lighter, extra-strength nonwoven fabrics which maintain current bulk standards.

The Airflow Control System (ACS), meanwhile, is designed to boost production in crosslaid nonwoven lines. The ACS is intended to increase capacity when the condensed card web is used, boosting efficiency across the nonwoven production line, with no draft between the card and crosslapper's in-feed speed.

In addition, the system does not include any static parts, which can slow or scratch the card web structure. Extra tension on the card web can result in web weaknesses and a cloudy aspect, visible in the nonwoven fabric.

Designed to allow nonwoven producers to run their own fibres, at their specific parameters, the ACS does not use any air vacuum power or require any specific cleaning requirement.

The company designs, builds and supplies turnkey nonwoven lines for needlepunching, spunlacing, thermobonding, air-through bonding and chemical bonding. NSC Nonwoven is a worldwide supplier of Excelle and Axxcess cards, crosslappers, drafters, needlelooms, high-speed Monomatic winders and slitters-rewinders.

