

SCANPACK 2012



Scanpack 23 – 26 oktober 2012

Svenska Mässan
SE-412 94 Göteborg
Sverige

Mässans öppettider:

Tisdag 23 oktober	09.00 - 17.00
Onsdag 24 oktober	09.00 - 17.00
Torsdag 25 oktober	09.00 - 17.00
Fredag 26 oktober	09.00 - 15.00

Vi önskar alla varmt välkomna till vår monter B01:22

Utställda maskiner:

- o Groninger: syringe filling- and closing machine DFCN 1000 EM
- o Bohle: coating drum from BTC 100
- o Fette: turret (segment board)
- o Pester: stretch-wrapping machine PEWO-pack 250 Compact
- o MediSeal: blistering machine CP200
- o Ceia: THS/PH21 metal detector
- o Jakob Wienmeier: M/C CCM-MV/10-800-R (semi-automatic vertical cartoner)
- o Plümat: semi-automatic bagfiller Plümatex BFM 007
- o Belimed: dishwasher rack
- o PharmaTechnology: combi-deduster PharmaFlex PFC 500 CE

Boka ditt personliga möte redan idag via telefon (0046 31-701 0990) eller e-post!

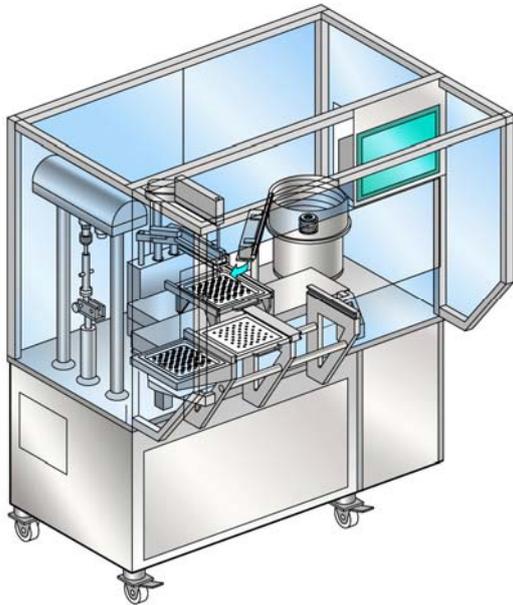
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Vi ser fram emot att träffa dig i vår monter **B01:22**

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Exhibited machines:

- o **Groninger:** syringe filling- and closing machine DFVN 1000 EM



DFVN 1000 EM: Filling and stoppering machine for presterilized disposable syringes in the nest.

Highlights:

- Compact design
- Single syringe centering prevents glass breakage
- Possible integration of a laminar flow unit above the machine protection
- Vacuum filling and stoppering as an option
- Clear, simple execution
- One or two-position

Processing range: 6.85 – 29.85 mm

Stations: 1 or 2

Output (pieces/h): up to 2.100 (1-head)
up to 4.700 (2-head)

dimensions: 1.550 x 900 x 2.000

The **DFVN** Series metering, filling and piston placement machines offer maximum precision in aseptic processing of presterilized disposable syringes. The number of filling positions is variable from two to ten. Output: of up to 20 000 syringes per hour. Other highlights of the DFVN Series are the design for laminar flow and isolator technology, toolless size changes and centering of disposable syringes during filling and insertion of piston stoppers.

- o **Fette:** FS12 segment turret



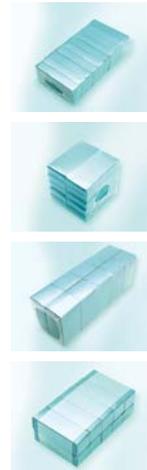
FS12 segment turret: standard presses extraordinary productivity leap

Highlights:

- Up to 40% more yield from the same machine type
- EU12 turret with 110 stations
- EU12 punch format adapted to standard requirements
- Optimized EU12 punch head for long pressure dwell times
- Smooth machine running due to the large number of punches engaged at any time
- Compression force limited to 25 kN
- Optimized for standard sizes of round tablets
- Replaces additional machine investment
- High production capacity
- 3090i/3200i now even more productive
- Designed as a genuine alternative to multiple tools, with the advantage of single tablet pressing
- True single compression force measurement even with very small diameters, in contrast to multiple punches

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- o **pester pac automation:** stretch-wrapping machine PEWO-pack 250
Compact with film-splicer



PEWO-pack 250 Compact stretch-wrapping machine

Flexible and versatile high-performance stretchwrapper – cutting edge film wrapping technology

Characteristics:

- The world's first GMP-compatible, balcony-style stretchwrapper
- Ultra-compact high-performance system with optimum accessibility
- Extremely flexible in handling different formats and collation variations
- Fully automated film splicer for optimum line efficiency
- Universal use through extensive feeding and collating systems
- Quick, simple and tool-less format changeover
- Straightforward operation with integrated format administration

- o **Ceia:**



THS/PH21: designed to detect and eject metal contaminants that may be accidentally present, even in very small quantities, in pharmaceutical products.

- transit tunnel and ejection system completely sealed
- design and construction compliant with 21 CFR Parts 210 and 211
- enhanced product throughput rate
- completely housed in AISI 316 stainless steel
- easy disassembling and maintenance in short time without the use of machine-specific tools
- electronic record and signatures management compliant with CFR Part 11

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- o **Jakob Wienmeier:** M/C CCM-MV/10-800-R (semi-automatic vertical cartoner)



Advantages:

- Low capital costs
- High flexibility: nearly all products possible
- Proven, reliable technology
- Large format range
- Modular design
- Suited for special carton closure technology possible (e.g. tamper evidence closure with fourth flap)
- Short set up times
- Small footprint
- Very user friendly

More efficiency per square metre: Semi-automatic cartoner CCM-MV

Regarding its relatively low capital costs, the JW semi-automatic cartoning machine CCM-MV is a welcomed alternative to conventional fully automatic cartoners, but without compromising. When it comes down to small batch sizes, the semi-automatic cartoning machine convinces by its flexibility and economic viability. Therefore, it is best suited as a start up machine.

Whether bottles, blisters or any other products, whether tuck in closure or hot glue closure or a combination of both – with the CCM-MV many things are possible. Even cartons with a fourth flap can be handled. The format change is handled easily by just a few adjustments and exchange of few format parts without additional cost. The semi-automatic machine is very much appreciated in the contract packaging industry.

- o **Bohle:** coating drum from BTC 100



Advantages:

- Excellent mixing thanks to patented spirals
- Careful product movement thanks to low tablet bed thickness
- Easy discharge by changing the rotating direction of the pan
- Nozzles with ABC caps ensure long service life
- Highly efficient suspension system thanks to the reduction of spraying losses
- Faster processing due to a high number of nozzles and an efficient air system
- Same pan geometries for easy scale-up
- Rapid and simple cleaning

BTC 100: Innovative processing and cleaning concepts improve the coater functionality and deliver outstanding results. The type of air system utilized provides significant process-related advantages eliminating the risk of suspension spray drying. This reduces spray losses and improves coating structure. Tablets are handled with less mechanical stress thanks to the geometry of the pan and the mixing and conveying elements. By changing the rotating direction of the pan, tablets can be discharged completely and without additional fixtures. Even with all these improvements, this is still a coater with a perforated pan which is well known to regulatory authorities as a proven coating process.

Three basic coating operations: **spraying, drying** and **mixing**. Every individual step must be carefully optimized in coordination with the others.

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o **MediSeal:** blister machine CP200



The **CP200** is a highly compact blister machine with a very small footprint and a capacity of up to 250 blisters per minute. The extremely short change-over time makes this machine ideal for the efficient packing of small lots as well as clinical trials. A direct transfer to a MediSeal cartoner is possible.

Advantages:

- Small footprint, highly compact
- Ideal for pharmaceutical products, small lots or clinical trials
- Flexibility with different dosing systems
- Fast and easy format change-over
- Low TCO thanks to low costs for format parts

o **Plümat:** semi-automatic bagfiller Plümatex BFM 007 – SFC-Modul



The **Plümatex-BFM 007-SFC** Filling and Sealing Machine was designed as a table-top device to process the bags with SFC-System (Single-Function-Connector), which was developed and patented by Plümat. Bag as well as Sealing Caps will be manually fed into the machine. All further operations are running automatically.

Output	500 Bags/h (500ml)
Container	Flexible polyolefin bags
Sealing	SFC-Cap
Formats	100ml, 250ml, 500ml, 1000ml

Advantages:

- Ideal for small-scale production
- Easy operation and format change
- Handles a wide range of bag formats (50 – 5000ml)
- Small foot print due to the highly compact design
- Siemens control for optimal qualification according to GAMP 5
- A wide range of options are available

- o **BeliMed:** dishwasher rack



GMP-compliant **cleaning of tablet tools and turrets** without compromises – Greater flexibility thanks to state of the arte technology

Belimed has developed a procedure in which tablet punches, dies and turrets can be cleaned at normal operating pressure while exposed to cleaning chemicals and this, without losing the flexibility of utilisation for other washing utensils. The machine can be flexibly used for any other application in pharmaceutical research and industry, such as for machine parts, filling line equipment, tubes, laboratory glass, etc.

Comparison table: Cleaning of Tablet Tools

Previous procedures

- Manual cleaning necessary
- ultrasonic bath
- conservation with white oil
- High pressure up to 4 bar

Belimed procedure

- low pressure approx. 1.8 bar (no special pump)
- All in one – cleaning, drying and conserving
- short process runtime
- reliable purity
- can be validated
- batch-protocol
- standard machine

- o **PharmaTechnology:** PFC 500 Ce R Modular Vibrating dedusting and deburring unit Pharma Flex for tablets with Ceia PH21 metal check



This new generation is realized with conveying segments made in a new transparent FDA approved Hi-Tec polymer. The main advantage is a perfect viewing of the product during its ascending movement or during the washing cycle. This polymer is highly resistant to scratches and is unbreakable. In addition to that, a new display integrates all the features of the combined unit, such as metal detector emulation and tablet diverter software.

Advantages:

- New dedusting – deburring technology
- Height flexibility due to modular segments
- Transparent FDA approved robust segments
- Very low noise level <60dba
- Fast product change over due to exchangeable dedusters module "EDM" < 2min
- Reduced cleaning time & full parts inspection
- Containment "C" capabilities
- Upgrade to High-Containment "HC" & Washable
- Higher throughput – capacity
- Complete emptying at the end of the batch with any shape of tablet or capsule