

# ACHEMA 2012

Välkommen till världens forum för processindustri!

Besök oss på Achema 2012 och se den senaste tekniska utvecklingen av våra världsledande leverantörer — nedan har vi sammanfattat några av deras innovationer för dig. **Kom och upplev de 'live' på plats!** 'We connect you' och ser fram emot att träffa er i Frankfurt.

**FETTE**  
COMPACTING



**PLUMAT**  
Solutions are our business

**pester**  
pac automation

**Belimed**  
Infection Control

**STILMAS**  
PURE WATER SYSTEMS

**BOHLE**



**MediSeal**  
Pharma Technology Solutions

**Seidenader**  
Pharma Technology Solutions

**groninger**

Behöver du **gratis inträdesbiljetter**? Boka ert möte på Achema redan idag:

Ring oss på **+46 31 701 0990** eller skicka e-post till: [jan.johannesson@gotapack.se](mailto:jan.johannesson@gotapack.se), [martin@gotapack.se](mailto:martin@gotapack.se).

Under mässan når du oss på:

Jan Johannesson **+46 708 160 200**, Martin Björk **+46 708 160 270**

**LB BOHLE — Hall 3.0, D49**

**BOHLE**

### **Bohle Tablet Coater BTC**

- Fast, problem-free coating
- High uniformity
- Up to a 35% shorter processing time in comparison to conventional coating systems
- Gentle tablet handling
- Minimal spray drying and increased coating efficiency (no loss off suspension, no "twins")
- Fast and easy tablet discharge
- User-friendly software
- Optional WIP cleaning
- "Through the wall" installation



**BFS 240—The Bohle Fluid Bed System** is a drying system specifically optimized for pharmaceutical applications:

- Installation freedom— no pressure relief ducts necessary
- No impact on environment in case of accident
- Optimum conditions for containment applications

**gotapack**  
connecting the best

**Additionally, Bohle will present a worlds' unique innovation —come and see it first!**



Datum:

18-22 Juni 2012

Öppettider:

09:00-18:00 dagligen

[www.achema.de](http://www.achema.de)

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## PESTER—Hall 3.1, C96



**Compact solution for pharmaceutical packaging**  
**Efficient case packing and palletizing in one unit**

### PEWO-form SLP for American Cases

- Integrated solution of a side loading case packer and palletizer for efficient product handling
- Combined unit with compact footprint (12m<sup>2</sup>) for small and medium sized performance ranges
- High-flexible, modular machine concept and design
- Exact case handling with innovative case extraction
- Precise product handling with optimized product transport
- User friendly with single control and one HMI for all machines
- Fast and easy format change over
- Robotic palletizing with 6-axis KUKA robot technology
- Excellent ergonomic operation
- Compliant to the latest pharmaceutical standards (GMP) and safety regulations
- Meets the requirements of the pharmaceutical industry for intelligent case marking and product monitoring
- Ready for track & trace



## BELIMED — Hall 6.1, B40



Discover the brand-new GMP-compliant cleaning machinery **PH810 for pharmaceutical production, research and pharmacies** which provides a great cost-performance-ratio.

Learn how customer-specific requirements are implemented with greatest flexibility

Experience the results of continual further development, for example the new **automatic tablet stamp cleaning**.



With the new **WD750 Industry**, for cleaning and drying containers, vats and other large-volume components, Belimed sets new standards for solutions that meet requirements.

The system combines highest possible standardisation of technology with maximum flexibility of layout for optimal adaptation of the system to the requirements of the production process..





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**GRONINGER — Hall 3.1, G72**



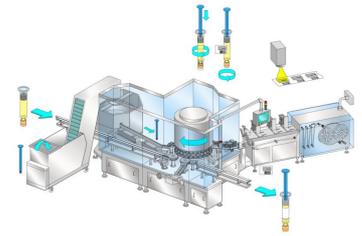
**SYRINGE PROCESSING—**

**high flexibility and stability in production is what this fully automatic processing line for syringes in nests stands for.**

Performance: up to 600 syringes/min

Functions:

- labelling
- Piston rod insertion
- Fully automatic changing of label rolls



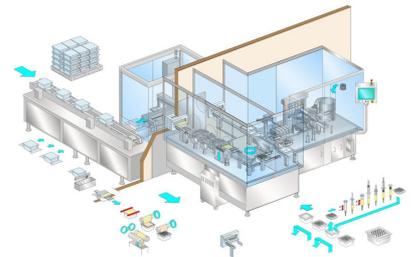
**SYRINGE PROCESSING—**

**Sterility assurance with efficient and gentle handling of nested syringes characterizes this production line.**

Performance: up to 420 syringes/min

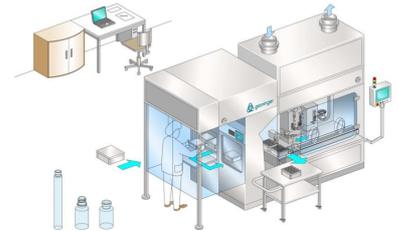
Combined filling system:

- rotary piston pumps
- peristaltic pumps



**PRODUCTION SYSTEM FOR DEVELOPMENT AND CLINICAL STUDIES—**

**For syringes, vials, eye drops, cartridges and related types of containers. This system is ideal for container and filling studies as well as small batch production.**

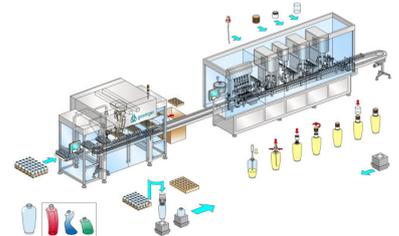


**PROCESSING OF PLASIC BOTTLES —**

**flexible production line for processing bottles, powerful and efficient.**

Performance: up to 60 bottles/min

Filling system: linear piston pump (mobile system)



**CEIA—Hall 3.0, F96**



**Ceia THS/PH21series**

**Very high performance pharmaceutical metal detection systems**

- Very high throughput rate
- Superior detection capability
- Maximum configurability
- FDA title 21CFR Part 11 compliant (data security, data integrity, data traceability)
- Design and construction compliant with 21CFR parts 210 and 211





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## MediSeal—Hall 3.1, G71

## MediSeal

Pharma Technology Solutions

### STICKPACK LINE—NEW INNOVATION!!!

With the new StickPack Line sticks can be cartoned in a side load process. This new solution is based on the approved MediSeal know how combines the advantages of the existing MediSeal machines: maximum process reliability with high flexibility, of course according to the GMP standards.

### BLISTER LINE CP400 & P3200

MediSeal's efficient blister line in the medium capacity range of 400 blisters per minute in combination with the P3200 cartoner for up to 300 folded boxes per minute.



### WHITE-LINE BY MEDISEAL

The known LSC-concept for bundling small lots by an intelligent blister management has been expanded. With the White-Line concept MediSeal progresses and introduces a solution improving the packaging and logistics concept of the customer. Instead of handling a multitude of specific packaging materials and leaflets the White-Line concept is based on plain (white) material. The specific information is printed on cartons and leaflets in the packaging line. Inspection and camera systems ensure a 100% check up and therefore pharmaceutical security.



## SEIDENADER - Hall 3.1, G71

## Seidenader

Pharma Technology Solutions

Brand new is a special inspection station for measuring and evaluating stress birefringence of glass containers to reduce the risk of container breakage, at Achema integrated in the automatic inspection machine **MS**.

High-speed inspection of prefilled syringes is demonstrated on a **VI-60-S**, feeding and orientation of the bulkware by a SyWalker. Semi-automatic inspection of vials is shown on our **V90-AVSB**, and the new table top device VPE-C for camera based as well as visual inspection will be available.



National as well as international legislation are forcing pharmaceutical manufacturers to implement complete traceability of pharmaceutical products. The **T&T SingleUnit** with tamper evidence and label applicator is one of many Seidenader solutions to meet requirements for serialization.



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**FETTE - Hall 3.0, F3**

**FETTE**  
COMPACTING

**FE55: Setting a new standard for efficiency in tableting**

The FE55 is the first tablet press of an entirely new generation. Fette Compacting has optimized the FE55 to provide the highest levels of productivity, flexibility and availability and aims to set the new standards for efficiency in tableting. This aspiration is also clearly reflected in the housing of the new machine, which is made of an FDA-certified high-tech polymer. Its "inner values" are equally convincing.



**Last year, Fette introduced the new generation of tablet presses with the Fette Compacting FE55. This year it's time for another world premiere. Be among the first to know—visit Fette on Achema 2012, hall 3.0, Booth F3**

**STILMAS - Hall 6.1, C14**

**STILMAS**  
PURE WATER SYSTEMS

**PW unit RO+EDI**

Granting extremely low conductivity, **Stilmas Reverse Osmosis + Electro Deionization (RO+EDI)** plants constitutes a reliable and more and more adopted alternative to the traditional double stage Reverse Osmosis for purified water production. Stilmas RO+EDI plants are fully designed in compliance with the standards requested by International Pharmacopoeias.



**Thermocompressor with new compressor side channel blower and Clean Steam**



- Possibility to produce **cold distillate water** at 25°C or hot distilled water at 85°C.
- **Reduced and easy maintenance:** due to a careful selection of compressor technology, low/medium rotational speed.
- **High energetic performances** due to a careful design of the compressors and to an optimized configuration of the heat recovery system.
- **Highly efficient non condensable gases removal** due to the hydrostatic column system installed downstream the still.
- **Design of the compressors** to guarantee the quality of the steam / distillate.
- Possibility to fed the unit with **softened water, no need of cooling water.**
- **Distilled water** produced **pressurized**, not requiring any pressurizing system.
- **Fast response:** in stand by conditions the distillate is produced in 10 minutes.
- **Atmospheric pressure operation:** no need of pressure vessel certification.

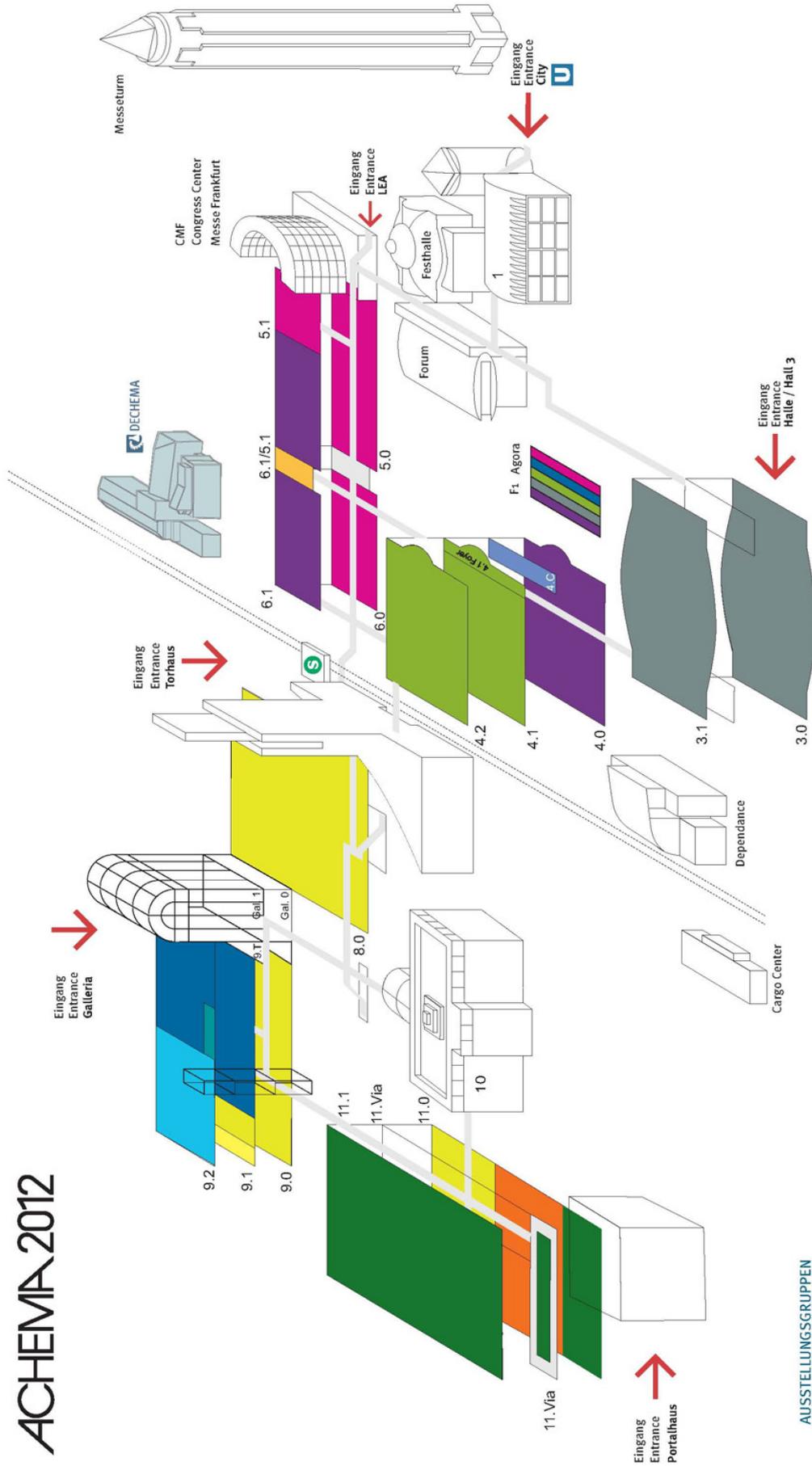
	Weighing, granulating, sieving, blending, coating, containment and handling	Hall 3.0 D49
	Counting and packaging systems	Hall 6.1 D47
	Tablet presses, tablet control systems, tablet dedusters, tablet handling systems	Hall 3.0 F3
	Metal detection systems for quality control	Hall 3.1 F96
	Pharmaceutical and cosmetic filling and packaging machines for all kinds of objects, i.e. vials, syringes, eye-drop, nasal-sprays, fragrances, shampoos, creams, nail polish, etc.	Hall 3.1 G72
	Stretch wrappers, grouping systems, full-over wrappers, side loading and top loading, wrap-around packers, palletizers and case packers.	Hall 3.1 C96
	Forming-, filling- and closing machines for pharmaceutical liquids	Hall 3.1 A95
	Solutions for filling, capping and handling tablets and powders.	Hall 3.1 G71
	Inspection, de-contamination, leak test and track-and-trace systems for the pharmaceutical industry	Hall 3.1 G71
	Pharmaceutical and medical dishwashers and autoclaves	Hall 6.1 B40
	Water purification	Hall 6.1 C14

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## AUSSTELLUNGSGRUPPEN EXHIBITION GROUPS



Anlagenbau  
Engineering

Forschung und Innovation  
Research and Innovation

Labor- und Analysetechnik  
Laboratory and Analytical  
Techniques



Literatur, Information, Lern- und  
Lehrmittel  
Literature, Information, Learning  
and Teaching Aids

Mechanische Verfahren  
Mechanical Processes

Mess-, Regel- und  
Prozessleittechnik  
Instrumentation, Control and  
Automation Techniques



Pharma, Verpackungs- und  
Lagertechnik  
Pharmaceutical, Packaging  
and Storage Techniques

Pumpen, Kompressoren und  
Armaturen  
Pumps, Compressors, Valves  
and Fittings

Sicherheitstechnik und  
Arbeitsschutz  
Industrial and Labour Safety



Thermische Verfahren  
Thermal Processes

Werkstofftechnik und  
Materialprüfung  
Materials Technology  
and Testing



Sonderschau: Innovative Energieträger und -speicher  
Special Show: Innovative Energy Carriers and Storage

Querschnitt Biotechnologie  
General Topic: Biotechnology

Querschnitt Umweltschutz  
General Topic: Environmental Protection