Our core values

As market leader for innovative pharma packaging solutions, we allow no compromises in the quality of our products and our customer service. With our engineering and packaging development expertise, we contribute to our customers' success. We act in partnership and we are personally responsible for the results of our work.

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Dividella AG 05.2016

DIVIDELLA
KÖRBER SOLUTIONS

NeoTOP CONCEPT: ALWAYS ADAPTING TO YOUR REQUIREMENTS

Dividella TOPLoading packaging lines

FLEXIBLE AND ADAPTABLE PACKAGING AND MACHINE SOLUTIONS – PROTECT YOUR ASSETS

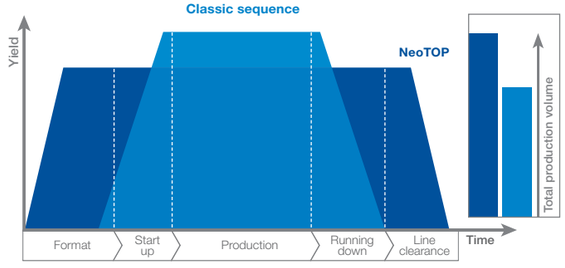
MODULAR PACKAGING SYSTEMS ARE IN DEMAND

Increasing market and product segmentation, not to mention the way modern medicines work, means that the wide variety of secondary packaging is constantly growing. As a result, flexibility and the overall efficiency of the packaging process are becoming more important. Dividella accomodates this trend with the NeoTOP system concept, a family of modular, semi- and fully automated packaging machines. They can be configured to customer‘s specific requirements and have been specially developed to handle lots which vary in size.

A BROAD RANGE OF APPLICATIONS

The NeoTOP systems combine the well-known advantages of NeoTOP mono-material packs with a machine designed according to the state of the art in mechatronics. NeoTOP systems, in their almost infinite configurations, are therefore particularly suitable for packing

- parenteral forms of administration (vials, syringes, auto injectors, pens, ampoules, cartridges)
- blisters, tablet blisters
- pouches, trans dermal systems, tubes
- inhalers, nasal sprays and other applicators



Greater availabitliy in the packaging cycle
Available production time is increased thanks to shorter times for format changes, shorter start-up, line clearance time and shorter line cleaning times. NeoTOP systems are designed for a nominal output corresponding to their purpose of 10 - 240 packs per minute.

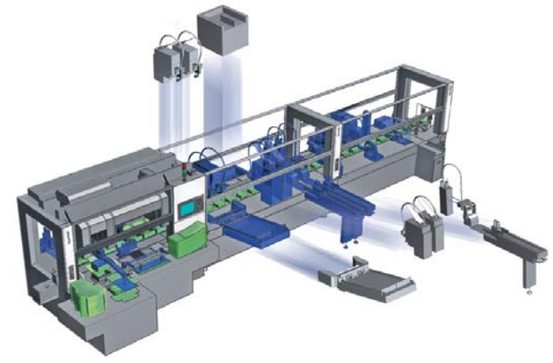
FEATURES AND BENEFITS OF NeoTOP SYSTEMS

- reliability in the packaging process
- proven flexible, modular platform that can be configured for an almost infinite variety of cartoning applications
- generous carton size range allows single and multi-count products to be packaged on the same machine
- high degree of flexibility in terms of pack contents
- highest performance - lowest cost of ownership
- compact
- high degree of availability thanks to short conversion times
- world leading machine reliabilty, efficiency, GMP and ease-of-use
- wide range of applications in terms of products and packs
- simple, safe machine operation
- low-cost maintenance
- no waste on start-up after machine stop
- first pack = good pack

Because flexibility means competitive advantage:
Extendable, flexible, modular platform that can be configured for a wide variety of cartoning applications.

VARYING DEGREES OF AUTOMATION ARE POSSIBLE

Dividella‘s NeoTOP systems cover all the packaging requirements perfectly throughout the life cycle of a product. From clinical trial through market launch to increasing market share, the same packaging solutions can be produced at different outputs on the same semi- and fully automated packaging lines. This eliminates the need for repeated packaging adaptions in the course of bringing a product to market.

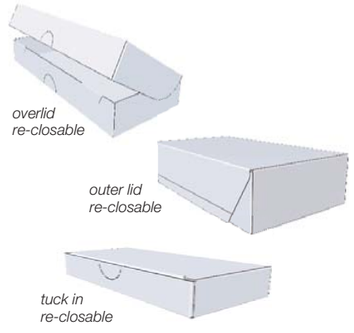


NeoTOP CONCEPT
TOPLOADERS WITH INFINITE POSSIBILITIES

CARTON ERECTING

PRODUCT INSERTION

CARTON CLOSING



PACKAGING PROCESS

COMPLIANCE IN PACKAGING DESIGN

Patient
- clear product overview thanks to top opening
- patient guidance
- products and leaflets are easily accessible
- easily re-closable

Production
- lower total cost of package TCP
- safe process (100% verification after loading)
- lower total cost of ownership TCO
- flexible platform
- quick format change over

Logistics
- flat mono-material (cardboard) blanks (inbound)
- compact dimensions (outbound)
- product protection
- late stage customization

Marketing
- flat cardboard blanks printable on both sides
- brand recognition
- sustainability (no plastic)

Regulatory
- tamper evident closing
- security options
- T&T

WPO WORLD PACKAGING ORGANISATION
WORLDSTAR WINNER 2013-2014

1st place Ameristar Packaging Award 2013 and World Star Award 2013/2014 - Sanofi Pasteur
A reduction in pack volume of 50% cut the expensive cold-chain shipping & storage costs in half.

WHAT MODULARITY DOES FOR OUR NeoTOP SYSTEMS

The standard configurations of our NeoTOP packaging lines consist of these following modules:

- **erecting module**
- **inserting module**
- **closing module**

Different machine configurations are possible depending on the way these three elements are combined, giving you maximum flexibility in regards to number and type of products to be packed.

Erecting module

The magazines for the flat blanks - partitions and carton - are positioned for high visibility and are accessed from outside. They can be filled during operation. The flat blanks are erected and glued into cartons and placed on a vacuum conveyor. The correct shape of the pack is checked and defective packs are ejected. Carton erection and partition forming are active, servomotor driven processes.

Inserting module

Products can be laid in manually, automatically or using a combined method. Dividella offers a wide range of product feeders that ensure gentle handling and safe loading of the product. Thanks to the modularity, feeders can be retrofitted at a later stage on site.

Closing module

Other infeeding functions such as leaflet or booklet insertion can be accomplished on this module as well. Conform to Directive 2011/62/EU cartons can be closed in various ways, using hotmelt, fugitive glue or labels, with or without tamper-evidence – see above examples – and finally, packs which have not been confirmed as correct at all stations are ejected.

Other functions
- Product presence check using a camera
- Direct infeeding systems connecting to upstream processes
- Application of variable data
- Security features like Tamper-evident closing with glue points, labels and several more
- Insertion of inserts of all kinds
- Code verification

Format changes

These are performed quickly, easily and using no tools. The change parts are pinned. No fine adjustment is required after a format change thanks to our digital dials.

Depending on the machine type and configuration a format change can be accomplished within 20 to 40 minutes (2 persons) without the use of tools.

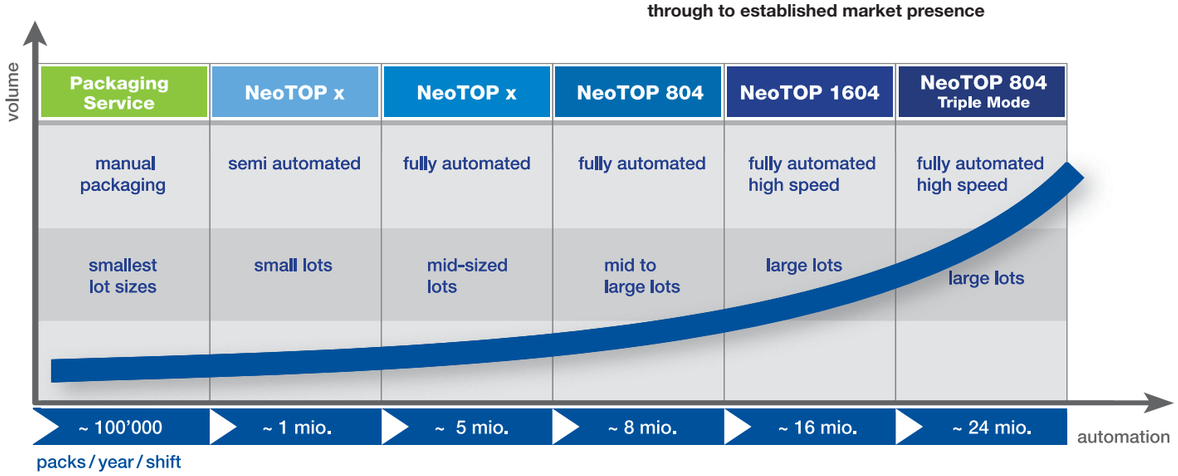
OUR FAMILY OF TOPLOADERS COVERING ALL YOUR PACKAGING REQUIREMENTS

ADAPTING TO MARKET REQUIREMENTS

Our family of TOPLoaders covers all your packaging requirements. The NeoTOP machine family consists of a wide range of machines and configurations for different production volumes. The same package can run on all machines.

Modular machine construction offers the maximum flexibility in the packaging of blisters, ampoules, vials, syringes, injectors and almost unlimited other pharmacuetical products.

The same packaging solutions from clinical trials through to established market presence



NeoTOP x

Modular and extendable packaging system, so you're not stuck on one implementation; enabling flexible and efficient production.

	range of formats l x w x h in mm	max. no. of partitions	output packs/min
NeoTOP x		4 / 6	40 - 50
minimum	60 x 45 x 17		
maximum	260 x 200 x 120*		

** up to*

NeoTOP x

NeoTOP x
with manual loading module

NeoTOP 804

Modular and extendable packaging system for the production of mid to large lots.

	range of formats l x w x h in mm	max. no. of partitions	output packs/min
NeoTOP 804		4	80
minimum	60 x 45 x 17		
maximum	240 x 170 x 70		
Triple Mode		1/4	240
minimum	30 x 60 x 17		
maximum	70 x 170 x 70*		

** up to*

NeoTOP 804

NeoTOP 1604

Modular and extendable packaging system, so you're not stuck on one implementation for the production of large lots.

	range of formats l x w x h in mm	max. no. of partitions	output packs/min
NeoTOP 1604		4	160
minimum	60 x 35 x 17		
maximum	200 x 170 x 60*		
optional	450 x 170 x 60*	at 1/2 output	

** max. depending on box footprint*

NeoTOP 1604

PROVIDING SOLUTIONS WITH FEEDING SYSTEMS FOR ALL SHAPES AND SIZES – WITH NO RESTRICTIONS

DIVIDELLA FEEDING TECHNOLOGY

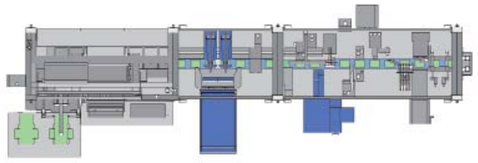
One of the most difficult tasks involves creating a gentle, flexible feeding system for objects such as syringes, vials, pens, softblisters etc. In this area Dividella is able to apply a very wide range of feeding technologies.

On the basis of Dividella's many years of experience in product handling, we have developed new modular feeding systems. This means that up to 500 objects per feeding unit per minute can be packaged; before they are inserted they can also be aligned, spread and individually checked.

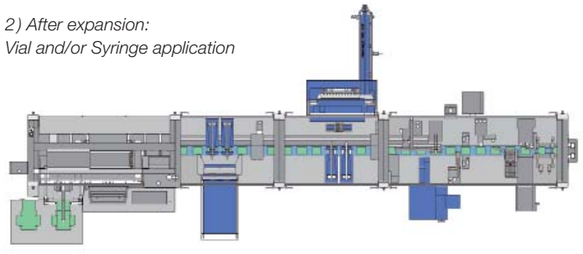
Apart from the actual pharmaceutical products, placing inserts can present major challenges. The handling of inserts is a critical area, especially in the case of high-output machines such as the Dividella NeoTOP 804, which can produce up to 240 packs per minute. Dividella has developed a wide range of scalable feeding systems for this purpose. Consequently, very large, thick inserts can be fed in at full speed, using minimum labour.

In recent years, Dividella, on the basis of its particular expertise in this area, has already developed many different customised feed systems, linked to upstream machines. These systems are used in many different applications, field-tested and further developed to guarantee maximum operational reliability.

Line expansion brings greater flexibility and efficiency
1) Machine layout for Vial application



2) After expansion:
Vial and/or Syringe application



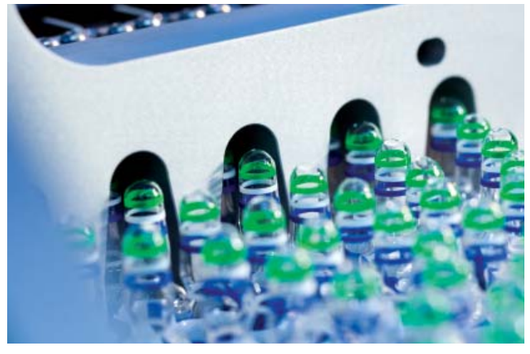
Prefilled Syringe Inserter
The Syringes are delivered lying down through a PUCK system

Booklet Insertion
Booklets or prefolded leaflets are inserted

Syringes in trays
Syringes are delivered to the inserting station in trays

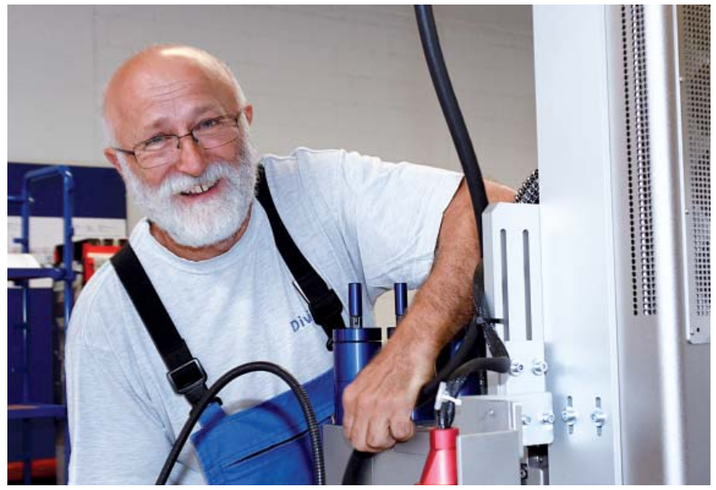
Pen Insertion
Pens or Injectors are delivered standing upright through a PUCK system

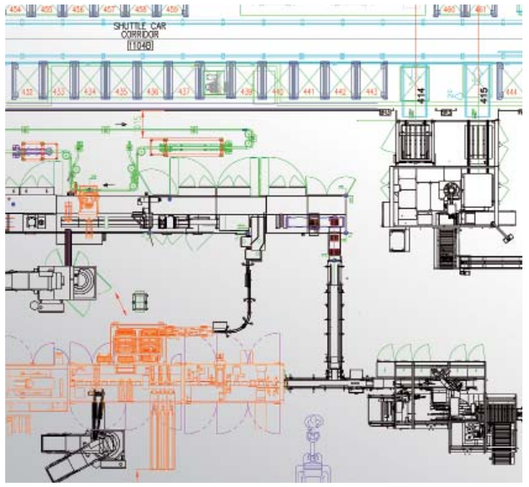
Standing Vial Insertion
Vials are inserted into the open carton via pick and place handling stations



Ampoule Infeed
Standing Ampoules are delivered via a feeding table to the pick and place handling units

BECAUSE WE DON'T JUST BUILD MACHINES





DIVIDELLA LIFE CYCLE SERVICE – TAILORED TO YOUR NEEDS

Our job does not end when we deliver your machine; we can offer a wide range of services to help you through all packaging related projects. Our range of services is tailored to your needs. For the highest quality and productivity. Every time.

AFTER SERVICE – INDIVIDUAL SERVICE MODULES

Retrofit/Upgrades	**Field Service**	**Relocation**
Format Parts	**Service Desk**	**Service Agreement**
Packaging Development	**Academy**	**Remote Services**
Original Spare Parts	**Qualification**	**Process Optimization**

QUALIFICATION SERVICES

Because our qualification packages are modular, like our machines. Dividella has standard qualification packages available to help meet your machine qualification needs. In addition to standard packages, additional supplementary documentation is available to „round out" a particular package. Risk Analysis and Design Review Workshops are examples of these supplementary materials. However, Dividella can also assist you in analyzing your special requirements and then developing a customized offering that is individually tailored to meet your specific needs. For example, if you are attempting to implement the ASTM E2500 standard, Dividella can partner with you to develop a verification plan and testing strategy that matches your company's particular implementation approach.

Support from Dividella is more than just documentation. Our qualification specialists can support you at our site or yours with expert assistance to meet your needs during the execution phases as well.

Our goal is to make the qualification process a sucess for each of our cutomers. We strive to provide our customers with the tools and support necessary to get their system qualified in as short a time as possible with the optimal resource expenditure.

LINE INTEGRATION – GENERAL CONTRACTING

Three Levels of Integration

1- Stand alone machine project
In this case Dividella manages the packaging machine and related services. Fully integrated 3rd party equipment can be included such as camera system, printer, labeler etc.

2 - System Integration
Dividella is responsible for the integration of the entire packaging system. The customer purchases all 3rd party equipment and delivers it to Dividella for the line integration.

3 - General contracting
Dividella is responsible for the entire line, purchases all 3rd party equipment and integrates it.

The integration costs and the 3rd party upcharge is shown separately and transparently.