

NeoTOP x SMALL TO MID SIZE LOTS.

COMPLIANCE IN PACKAGING DESIGN

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

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

	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		
NeoTOP x small lots		4 / 6	10 - 30
Manual product Insertion Module or Flexible Feeding			

* up to

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



fully automated configuration: output packs / year: up to 5 mio.



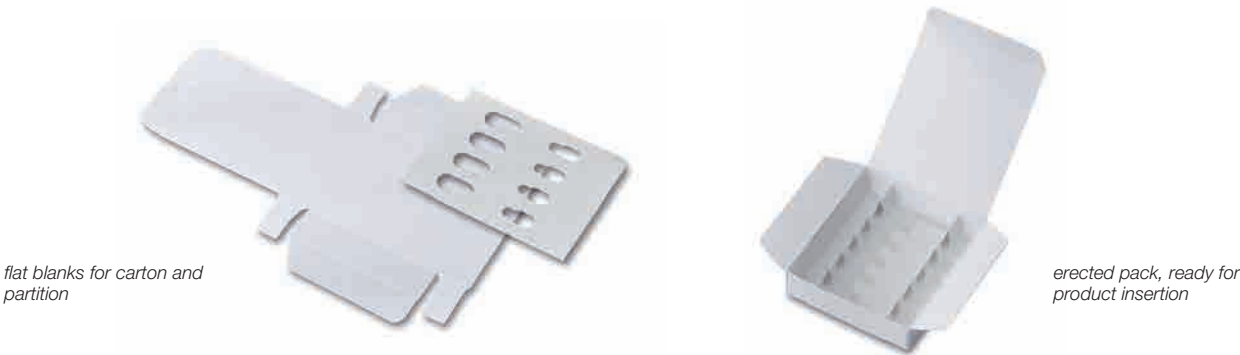
output packs / year / shift: manual to semi automated: from 100'000 to ~ 1 mio.

LEAN PRODUCTION PROCESS

SHORT TIME-TO-MARKET
Market research, clinical studies or market launches demand a fast and flexible production of new packaging, often for small quantities. You can stay with the same packaging solutions from clinical trials through to established market presence.

Modular machine construction offers the maximum flexibility in the packaging of vials, syringes, injectors, ampoules, blisters and almost unlimited other pharmaceutical products. It does not matter if the products come in a blister or tray from a thermoformer, magazine (BIB/BOB) or de-nester....

All pack styles can be combined on a NeoTOP



1 CARTON 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.



2 PRODUCT INSERTION 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. **Format changes** are performed quickly, easily and using no tools. The change parts are pinned. No fine adjustment is required after a format change.

2 MANUAL PRODUCT INSERTION MODULE OR FLEXIBLE FEEDING

Best combination of maximum format flexibility and small lot sizes, designed for applications where flexibility for small lots or clinical trials are required.

NTX VERSATILITY FOR SMALL LOT PRODUCTION

- ▶ highest OEE possible
- ▶ high technical efficiency
- ▶ no compromise in quality
- ▶ fast change over
- ▶ fast line clearance
- ▶ link to line manager or MES
- ▶ digital dials for fastest changover
- ▶ manual loading section



3 CARTON 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.