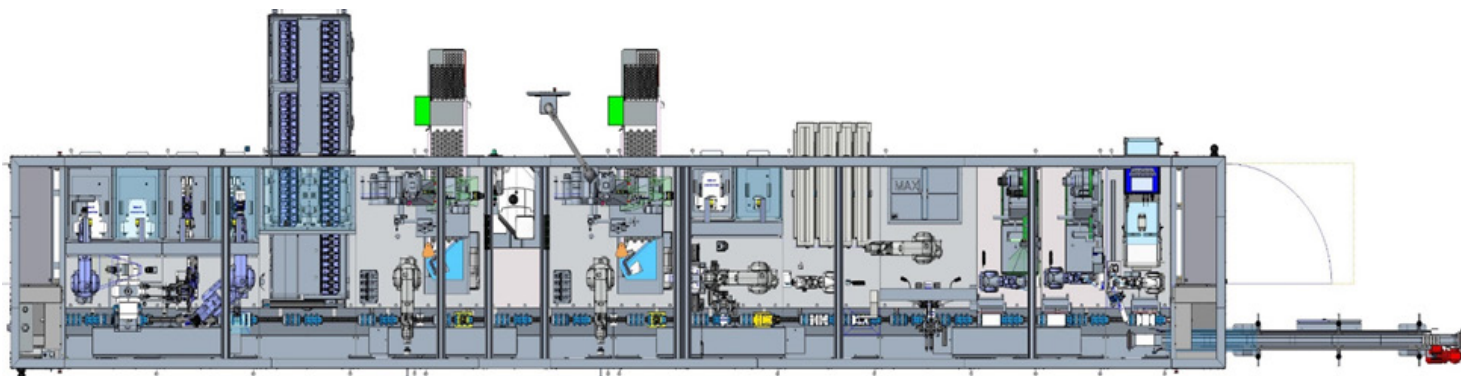




GRANITEN FLEXLINE APPLICATION: VIAL, SYRINGE AND AUTOINJECTORS

The modular and scalable Graniten Flexline platform, has a close-to-zero (C2Z) changeover time, allowing for an efficient and agile move towards personalized medicine, and 'batch size one'.

This Graniten Flexline example, handles the secondary packaging of top opening cartons, where vials, syringes, autoinjectors or a combination of those products are held in place in a folded partition. The 10 modules or functions selected, correspond to the customer's specific process needs, but can be altered to fit your process.

Main Features

- Line includes following process steps:
 - Carton bottom forming
 - Partition forming and loading in the bottom carton
 - Destacking of autoinjectors and syringes
 - Vial separation and labelling (f.e.: 2R, 10R, 20R, 50R)
 - Insertion of vials, syringes or autoinjector in the carton partition
 - Addition of retention or top partition
 - Leaflet and booklet feeding
 - Carton closing
 - Vignette labelling
 - Tamper evident labelling
 - Carton printing and serialization
- Handling for this customer 4 types of vials, 2 types of autoinjector, and 2 types of syringes.
- Packaging 8 types of cartons and partitions.

Technical Data

Applications:

Cartoning of Vials, Syringes, Autoinjectors and Pens
Carton type: top-loaded carton

Capacity:

10 cartons per minute

Technical changeover time:

≤ 10 min. Limited manual change parts, allowing minimal order sizes

Flexibility:

Handles a wide range of formats

Scalable and upgradeable:

Adapt to your changing production requirements

Footprint:

Length: 11 m
Width: 2.5 m
Height: 2.4 m

Power consumption:

Total power consumption of 20 kW



Graniten offer turn-key machinery innovation for the Pharma and Healthcare industry, focusing on faster and more reliable changeovers and low total cost of ownership with a small footprint to increase overall efficiency.



- Graniten Flexline Platform
- End of Line solutions
- Blow Fill Seal Finishing Lines
- Custom machinery

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As one of the world's most innovative automation companies, we help our customers to use automation efficiently, to increase their productivity and to lower their environmental impact in a sustainable way. Our product range for Pharma, focuses on primary and secondary packaging of small batches, and a wide variety of tertiary end of line packaging. From clinical trials to full scale production equipment, and custom innovations.

Scalable | Upgradable | Flexibility | Modularization | Robotic Applications

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