

# Ars Automation

## Application notes

### Maximizing flexibility - A future-proof primary packaging solution for medical bottle enclosures: the Graniten Flexline



#### Industry insights

Traditional high-speed lines often face significant downtime during changeovers, with reported changeover times consuming up to 80% of production time. The Graniten Flexline Platform, powered by FlexiBowl®, addresses this challenge by minimizing changeover time to close-to-zero, enabling manufacturers to swiftly adapt to market needs and improve overall productivity. This innovation allows manufacturers to focus on market needs rather than being constrained by production equipment limitations.

#### Handled parts

The platform seamlessly handles a diverse range of primary and secondary packaging solutions. From vials and bottles to syringes, autoinjectors, and blister packaging, the Graniten Flexline ensures precision and efficiency across various components. FlexiBowl® follows the same philosophy, allowing for easy integration with different shapes, and sizes, eliminating the need for specific format parts.



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### The configuration

Each process step is in a separate module. Based on the client's requirements, modules that fit the functions needed are configured together forming the packing line. With its flexible modular setup, the Graniten Flexline platform fits with most production and packing needs allowing to get a tailor-made setup. It offers investment protection, as modules can be replaced or added as new production needs arise. Modules can also be pre-validated before installation resulting in quicker time to market. Its modularity enables high usage of invested assets over time since the machine can be easily adjusted for new products, increasing ROI. In the past, automated systems were closely designed around the physical formats of the products and tailored to very high volumes. With the Graniten Flexline packaging platform, it becomes easy to adapt to new requirements, i.e. an additional labels, serialization, and others. The modularity of this innovative packaging platform enables high usage of invested assets over time since machine can be easily adjusted for new products. Good for the environment and with a small footprint.



## FlexiBowl® 650

### Traditional Operating Mode

### Results

The integration of the Graniten Flexline has yielded a highly positive outcome for the client, transforming their packaging operations into a model of efficiency and adaptability. With FlexiBowl's contribution, it effortlessly handles diverse components such as vials, bottles, syringes, auto injectors, and blister packaging. The client has experienced a significant reduction in changeover times, leading to increased overall productivity. The modularity and scalability of the Graniten Flexline have allowed for seamless adjustments to new formats, resulting in enhanced time-to-market for their pharmaceutical products. This successful integration has not only improved operational efficiency but has also positioned the client as an industry leader in agile and adaptive packaging solutions.

### Key points



Medical & Health  
Care Industry



Capping  
Process



FlexiBowl®  
650



ABB  
Robots



Many different  
parts