Pen assembly machines from Bosch are designed for assembly of a standard 4 piece disposable pen. The level of automation is scalable depending on the requirements and can be subsequently adapted through field modifications of the machine. The concepts are based on a rotary table for lower and medium outputs or a linear transport system for higher outputs.

Benefits

- Great overview of all stations/processes and good accessibility to the entire machine for easy format setting
- Real-time machine monitoring via HMI
- Small footprint due to compact design
- Hygienic design for easy cleanability
- Flexible modular design for future machine retrofit to automate feeding systems or increase output
- One stop shopping: filling & closing, assembly, inspection, labeling and integrated packaging from one supplier
Disposable Pen Assembly Machines

Technical Data

Rotary assembly machine platform MRA

Machine dimensions
- Rotary platform approx. 4 x 5m

Size range
- For all available disposable pen systems

Output:
- Rotary platform 15–70 pens/min.

Linear assembly machine platform MLA

Machine dimensions
- Linear platform approx. 8 x 8m

Size range
- For all available disposable pen systems

Output:
- Linear platform 15–180 pens/min. depending on level of automation

Options and accessories

- Integrated batch coding (e.g. by ink jet)
- Additional monitoring systems, e.g. automatic vision inspection of components and process steps
- Automated up-/downstream handling of components and pens
- Data interface with supervisory control system (SCADA)
- Easy combination with down-stream labeling and packaging equipment
- Documentation and validation packages
- Remote maintenance and service packages
- Can be customized to assemble additional components

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