

GEMINI-SYSTEM

INTEGRATED DUAL-LANE FEED SYSTEM

The Gemini-System is an innovative method to combine the output of two tablet fillers onto a single packaging line. The Gemini-System's tool-less adjustments allow for quick changeover for a large range of container sizes.

The Gemini System is designed to fit into existing line configuration with minimal line modifications. Built-in start, backup, and gating systems allow for fluid operation and smooth integration with the tablet fillers.

The Gemini-System mitigates tablet filling bottlenecks on conventional packaging lines. Installing the Gemini-System onto your packaging line allows you to fully utilize your packaging equipment's operating capacity.



Benefits of the Gemini-System:

- Optimize space for dual-counter packaging lines
- Mitigate tablet filling bottle-necks
- Increase packaging line output speeds
- Centralize filling operations
- Minimize capital investment
- Realize a quick return on investment

Phone No. (514) 630-0939

E-mail: info@bellatrx.com

BellatRx Inc.

245 Avro

Pointe-Claire, Quebec H9R 6A9

WWW.BELLATRX.COM

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Features:

Containers are side transferred onto the Gemini-System off an existing conveyor. The containers are queued and diverted into two lanes running in parallel, feeding two individual tablet fillers. As the queue at each filler becomes shorter than a predetermined level, the diverter is directed to supply more containers to that filler's lane. Following the filling process, the converger recombines containers from both lanes into one single file and then the containers are side transferred again onto an existing conveyor.



Under-conveyor GMP Troughing houses all power, control, air lines and interconnections. All pneumatic controls, PLC, and operator interface are housed in stainless steel enclosures and mounted to the Gemini-System.

Technical Specifications:

- Operating speed: up to 150 BPM
- Container range: Round, Rectangular, Square, Oblong, 1" to 4"
- Construction: Anodized Aluminum, stainless steel, and approved plastics
- Power requirements: 120-1-60, (current depends on peripheral equipment selected)
- Air requirements: 5 CFM at 90 PSI
- Overall dimensions: 24" x 180" x 44" High
- Overall weight: 500 lbs

Features of the Gemini-System:

- Raised-bed and sanitary construction facilitate cleaning and minimize product entrapment
- Tool-less adjustments allow for quick changeover
- PLC control regulates the flow of containers into and out of the system for fluid operation
- Seamless interface with existing equipment
- Modular design provides installation and reconfiguration flexibility
- Numerical dial indicators for the gating system assist with setup repeatability
- Encoding sensors provide container position information throughout the filling process
- E-Stop circuit, reject shelves with reject confirmation allow for added control (optional)
- Under-conveyor GMP Troughing houses power, control, and air lines to minimize interconnection exposure and improve cleanability. (optional)

As part of continuous improvement, BellatRx Inc. reserves the right to change specifications at any time without prior notice.

Represented by:

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