

FILAMATIC®

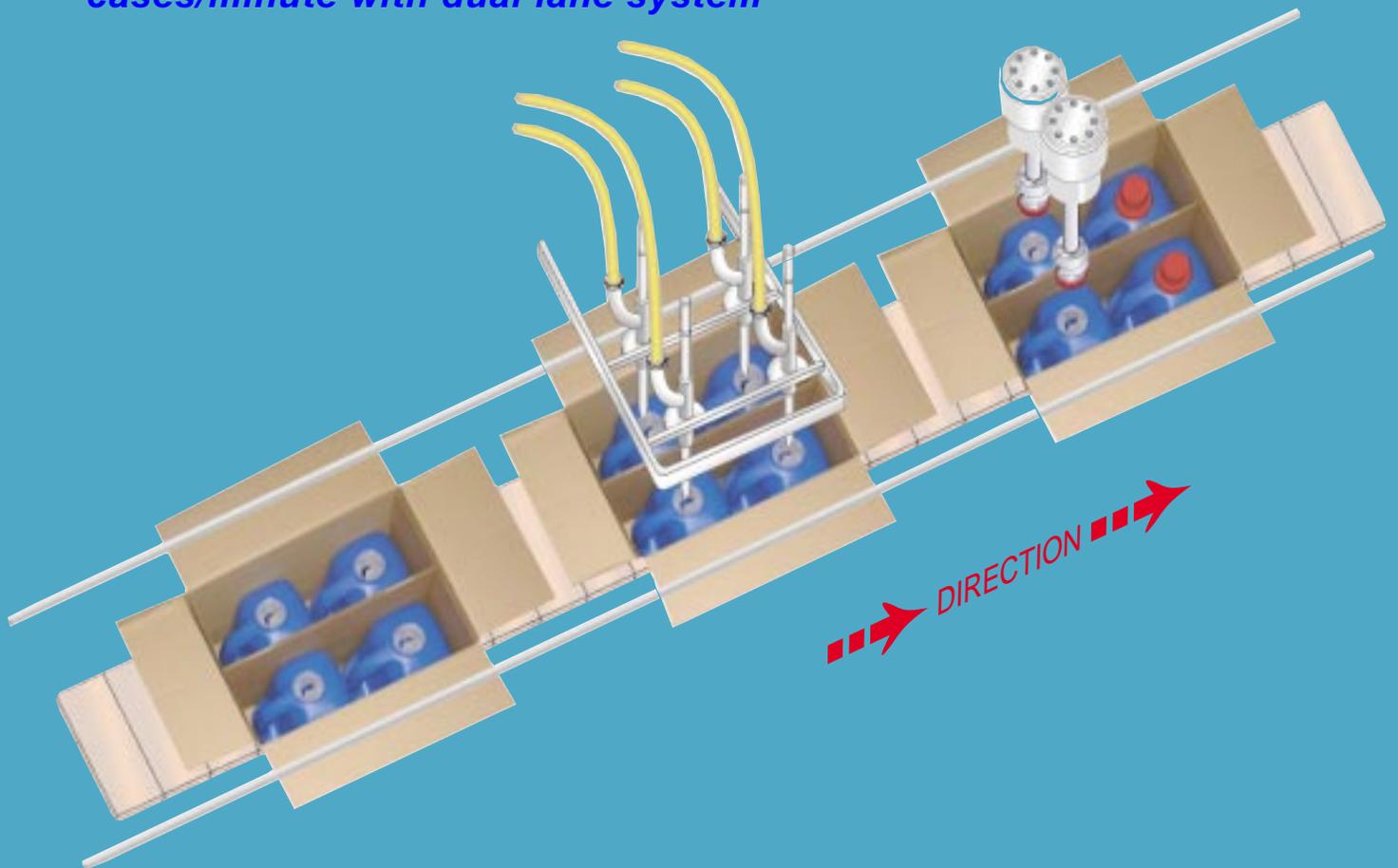


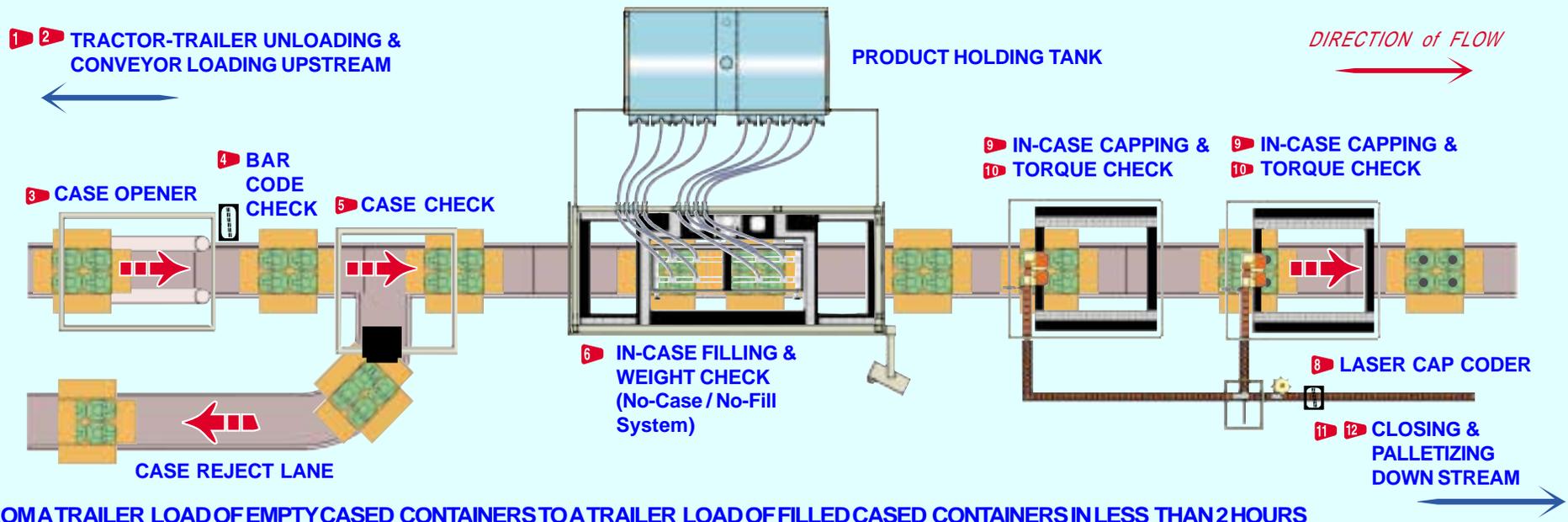
IN-CASE LIQUID FILLING & CAPPING SYSTEM

Model IFC-15*

**Patent Pending*

- **World Class / Just-in-Time packaging system minimizes Inventory, lead time, and labor costs**
- **Fills up to 15 cases/minute or 30 cases/minute with dual lane system**





Process Flow:

- 1** Remove palletized cases from tractor-trailer.



- 2** Place cases onto conveyor.

- 3** **Case Opener** automatically opens case flaps.

- 4** **Bar Code Check** bar code on side of the case is checked to insure that the correct cases are loaded. If not, case is rejected.

- 5** **Case Check**



Infeed Vision System inspects presence and orientation of containers in each case and rejects cases with missing or improperly oriented containers.

- 6** **8 Filling Heads** fill containers in two cases simultaneously on the continuously moving conveyor



- 7** **Weight Check System** Automatic fill weight verification and correction for each nozzle.

- 8** **Caps are Laser Coded**

- 9** **4 Servo Driven Capping Heads** cap containers in two cases simultaneously on the continuously moving conveyor.



- 10** **Cap Application / Removal Torque Check System** Torque is checked manually or automatically during production.

- 11** **Case Flaps** are closed and sealed.

- 12** **Cases are Palletized**

- 13** Palletized cases are loaded onto tractor-trailer and shipped.



National Instrument Company, Inc

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FILL AND CAP FROM 90oz TO 300oz CONTAINERS

90 oz
Bottles



120 oz
Bottles



135 oz
Bottles



155 oz
Bottles



300 oz
Bottles



FILAMATIC



- ➔ Fill accuracies of $\pm 0.5\%$ or better
- ➔ Continuous motion liquid filling and capping
- ➔ Automatic fill weight verification and correction for each nozzle
- ➔ Cap application/removal torque verification
- ➔ Significantly reduces the number of operators required especially when utilizing dual lane, mirror image configuration
- ➔ Operator interface provides set-up and operating instructions
- ➔ Changeover within thirty minutes using minimal hand tools
- ➔ Most machine settings for each product configuration are stored in memory and can be carried out automatically
- ➔ Remote diagnostics capability
- ➔ Fill a tractor trailer in as little as two hours
- ➔ Minimizes floor space required
- ➔ Comprehensive multimedia documentation on CD-ROM

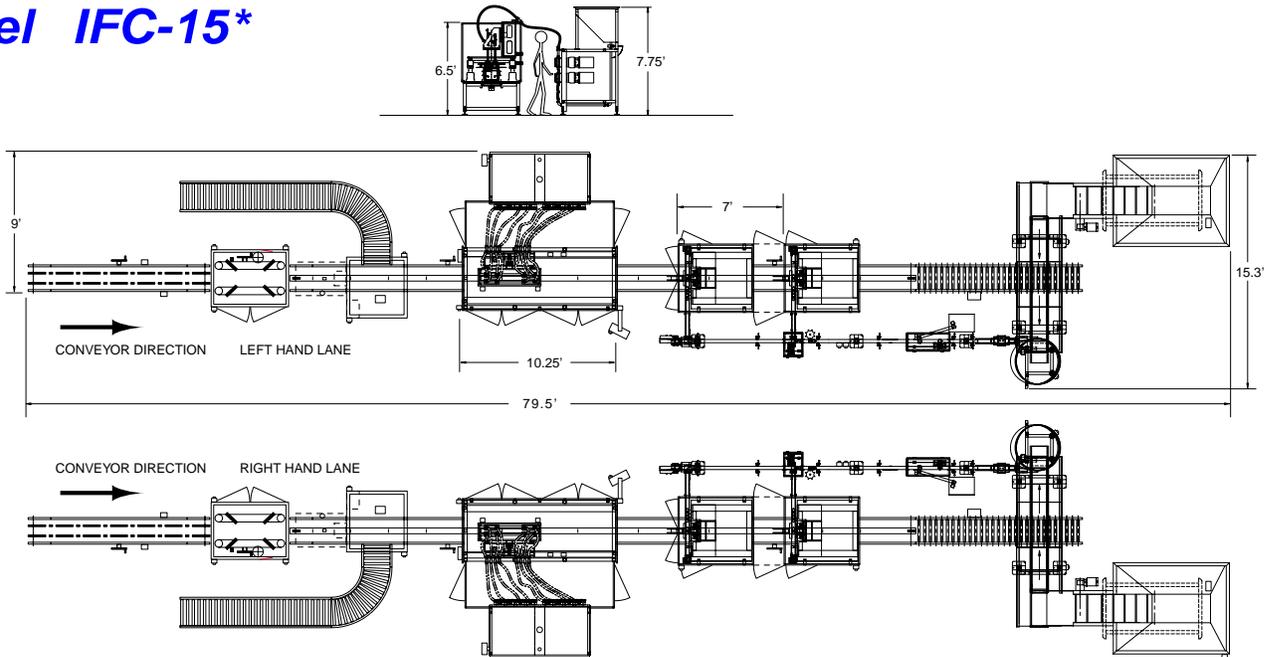
The **FILAMATIC**® Multi-functional, continuous motion, In-Case Liquid Filling and Capping system provides a cost-effective method for liquid filling and capping pre-labeled containers held in reshipper cases. Prior to filling and capping, the **Model IFC-15** opens flaps, and inspects the cases to insure that the containers are present and properly oriented. Containers are filled in their cases by eight servo controlled rotary pumps. The flow rate of the product is synchronized to the movement of the nozzles as they rise from the bottom of the container to maximize filling speeds. Each nozzle is equipped with a shut-off valve in its tip and a suck-back system to prevent dripping. Two servo driven **CAPAMATIC**® dual spindle, automatic capping machines apply the caps to the filled containers. Wonderware® enhanced operator interface is programmed to step the operator through system set-up instructions. The case indexing system moves the case through the various stations in synchronization with the travel of the walking beam filler and capper preventing splashing and case damage. The **Model IFC-15** requires less floor space, fewer operators, is quieter and changes over much faster than conventional incase liquid filling and capping systems.

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Model IFC-15*



Mirror Image Dual Lane System enables same personnel to operate and service both lanes, thereby reducing labor costs.

SPECIFICATIONS

Products	Fill Volumes	Fill Accuracy	Production Rate for a Single Lane	Production Rate for a Dual Lane
Liquids	Up to 300 oz.	0.5% or better	Up to 15 cases/min. (up to 4 containers per case)	Up to 30 cases/min. (up to 4 containers per case)

FREE TESTING SERVICE.

We shall be happy to test run your product, at no cost or obligation, to determine the most suitable **FILAMATIC** system which best meets your needs. Call our Technical Sales Department today!

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Specialists In Liquid Filling Systems

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