

Accurate and Reliable Material Delivery With the Powerful Fill-570 Application



Flexible Control Options

The Fill-570 offers easy-to-program filling, blending and dosing sequences, together with fast-updating discrete I/O. These capabilities combine to create a reliable and accurate stand-alone process controller offering real potential for savings.



Performance Monitoring

The Pac Statistics function in the Fill-570 calculates performance statistics for the weigh-in or weigh-out cycle. It provides data to help identify system adjustments that can shorten cycle times, reduce waste and improve margins.



Integrated Data Storage

The Fill-570 features large libraries for materials, formulas and containers. Quickly recall stored data for use in production with just a few key presses or barcode scan, to improve process efficiency and avoid the introduction of errors.



Expandable Solution

The IND570 terminal with Fill-570 offers multiple PLC interfaces and a broad command set that ease integration into existing control structures, capitalizing on existing investments.



IND570fill: IND570 + Fill-570

For Advanced Filling and Dosing Control

Install the specialized Fill-570 application into an IND570 terminal and the result is a high-performance controller designed to make automated filling and dosing processes straightforward and reliable.

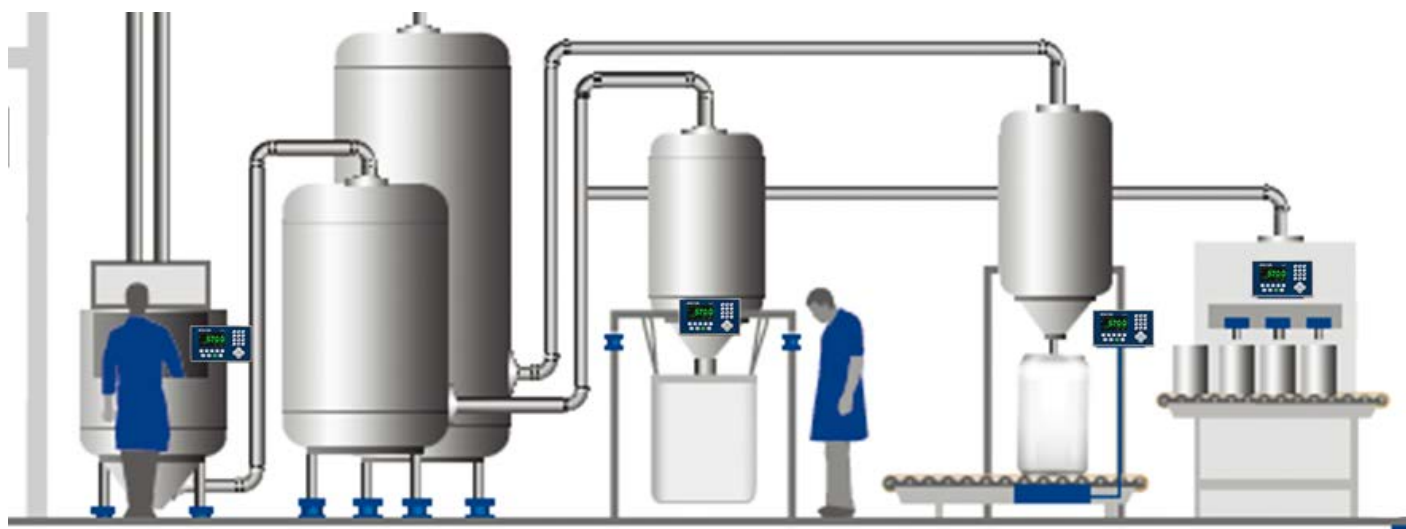
Modular, multi-functional and easy to program, the IND570fill supports quick adaptation of material delivery processes to changing business needs. Whether integrated into an existing control system or functioning as a stand-alone process controller, the IND570fill provides flexibility to deploy workforce and manufacturing resources to best drive productivity.

Fill-570 Application

Enhanced Material Handling Capability for IND570

Supported Material Transfer Cycles

Fill	During a Fill cycle, the IND570fill controls the addition of a single material to a container or vessel using either a 1- or 2-speed weigh-in procedure until a desired weight is achieved. The built-in Target Table stores weight targets and tolerances for 200 individual materials.
Blend	The Blend cycle involves filling from 2 to 6 materials into a vessel in a fixed order. Each material in the formula has its own target value and acceptable +/- tolerances, and can be delivered using 1- or 2-speed feed control. The IND570fill provides a dedicated data table for storage and efficient recall of these multiple material Formulas.
Dump	When executing the Dump cycle, the IND570 monitors the weight on the scale until all material in a vessel is completely emptied out of it.
Dose	In a Dose cycle, the IND570fill accurately controls the discharge of material from a supply vessel until the targeted loss in weight is achieved. 1- and 2-speed dosing control is possible. By combining the Dose cycle with a Fill or Blend cycle, the IND570fill has further capability to control the on-going availability of material(s) in the supply vessel.
Cycle Combinations	Weigh-in cycles (Fill, Blend) are easily combined with weigh-out cycles (Dump, Dose) to create broader control solutions.



Additional Features

- Cycles can be further customized using complementary process control features such as automatic or semi-automatic process transitions, looping of cycles for continuous processing, before- and after-cycle timers, and tracking of the number of cycles.
- Configurable softkeys make procedures logical and easy for manufacturing personnel to follow.
- Accuracy is ensured: A final tolerance check is an automatic step in every available cycle. Customers have the flexibility to reject out of tolerance cycles automatically, or allow for manual or automatic adjustments of the material weight prior to final tolerance check.
- Automatic Spill Adjustment maintains accuracy by accounting for environmental changes that can affect the amount of material still in flight after all the feeding equipment is shut off.
- New material setup is simplified by the terminal's Learn Mode feature: Program a new target with +/- tolerance values and let the IND570fill calculate the ideal fine feed and spill values for that material.
- With safety in mind, the IND570fill offers several functions including interlocks (permissive inputs) and container tare checking that help to avoid wasteful and potentially dangerous product spills.



Mettler-Toledo, LLC
1900 Polaris Parkway
Columbus, OH 43240
Phone 800 638 8537

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www.mt.com/IND570

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