

# IND780batch



Product  
Overview

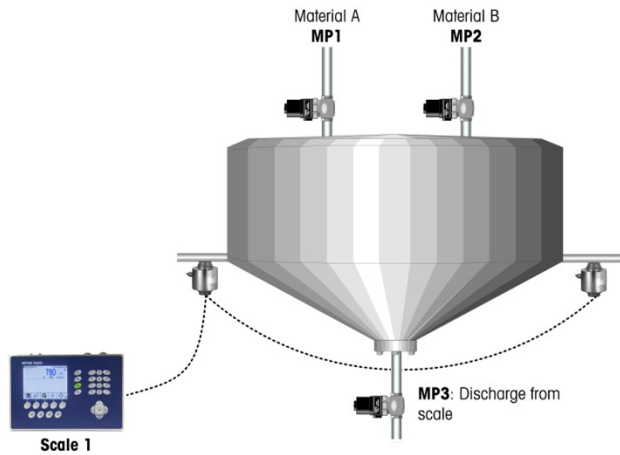
**METTLER TOLEDO**

# IND780 Batch - Purpose

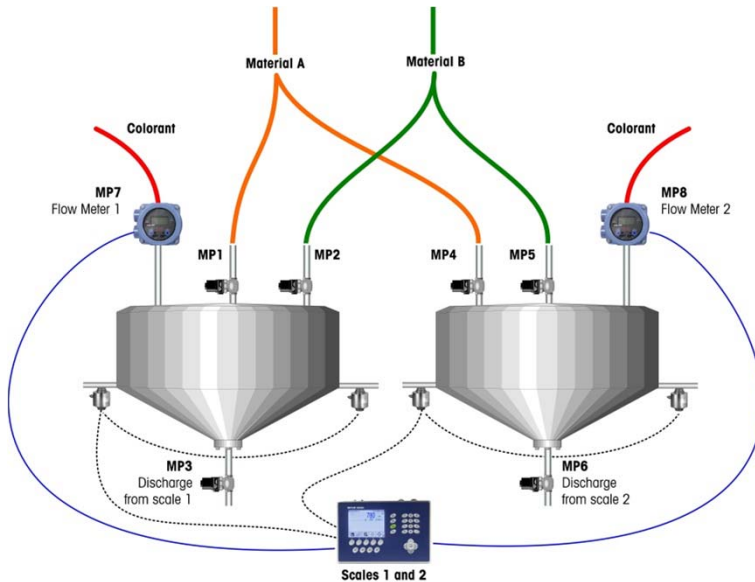
## Provide a solution for applications that require:

- Stand Alone operation, no PLC required
- A flexible, user-defined sequence
- Simultaneous multi-scale or flow meter batching
- Any combination of multi-material filling, manual formulation, blending, or dosing
- Direct management of material delivery via high speed I/O control, with connections for up to 56 outputs
- Storage of multiple formulas or recipes
- Simple operational user security, track & trace, and reporting features
- Follows S88 batch standard

# IND780batch – Application Examples



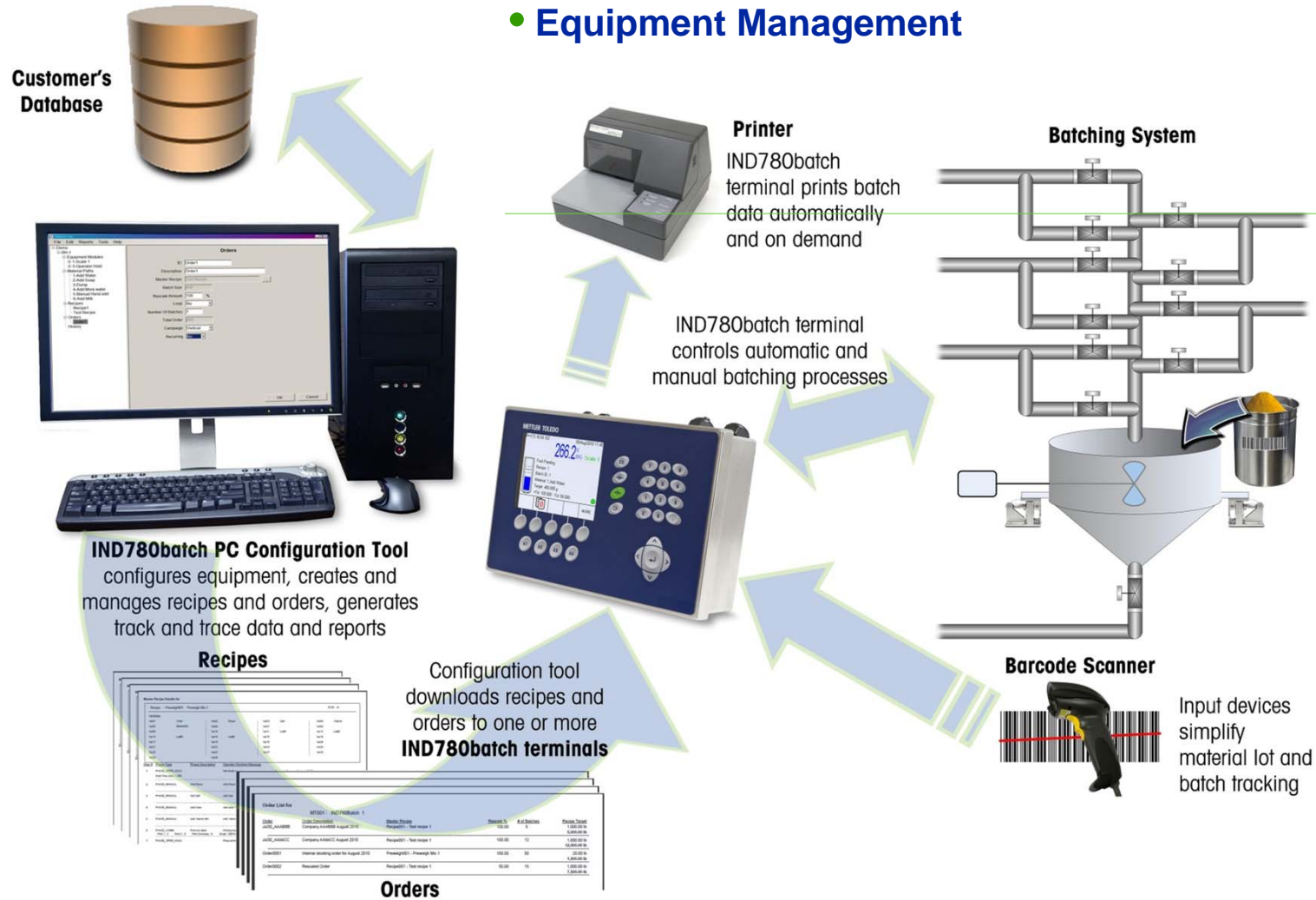
**Simple single scale,  
Multi-material batching**



**Advanced Multi-scale and/or flow meter,  
Multi-material batching**

# IND780batch - Example System

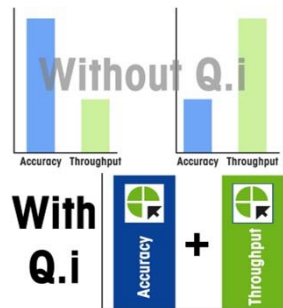
- Recipe Management
- Order Management
- Equipment Management



# IND780batch – Value Position

## ■ Attractive Product Features

- Stand alone Batch controller for small to mid size batching operations that can benefit from having a full featured controller.
- Manual, Semi-Auto, & Auto phase execution capability
- Easy configuration and use, provides “Box to Batch” functionality
- Unique capability to utilize Q.i Predictive Adaptive Control to minimize material feed variability and improve production efficiency



- Allows upgrade of current IND780 terminals with Batch application Pac
- Included PC Tool allows easy user interface to terminal for setup of material feeds, recipe entry, order creation, track and trace logging, usage reporting, and security control
- Fully documented in multiple languages and globally supported

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## ■ IND780batch Basics:

- Batch-780 is a stand alone, configurable batch controller, that does not require connection to a PLC or DCS.
- Batch-780 can control 1 to 4 scales or flow meters simultaneously
- Batch-780 can handle up to 999 materials, with up to 42 being automatic materials
- Batch-780 can store up to 1000 recipes with each recipe containing 99 steps.
- Batch-780 has intelligent power loss recovery, protecting you from losing a batch during a power loss.
- Batch-780 has standard multi level security – Operator, Supervisor, Administrator, Maintenance

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- Batching Types:

- Batch-780 can do both Vertical and Horizontal batching



- Re-scaling

- Operator can rescale the control recipe in the terminal for a particular order:
  - By percentage, target value, or single ingredient amount (linear correction)

# IND780batch

## ■ Standard Reports include:

### - Configuration Reports

- ▶ Terminal List, Equipment Module List, Control Module List, Material Path List, Master Recipe List, and Master Recipe Details

### - Production Reports

- ▶ Batch Details, Batch History, Batch History Completed/Failed, Equipment Statistics, Material Statistics, Recipe Statistics, Order List

### - Audit Trail Reporting

- ▶ Material Lot Tracking
- ▶ Audit Log, Change log, Error Log
- ▶ Tool Change Log

## ■ Local printing

- Batch transaction, batch summary and audit log.



# IND780batch – New Features

- New key features added in Version 7.3.xx
  - Support for Flow Meter Interface Card
  - Ability to execute a Task Expert program within a recipe
  - Verify container and Verify material phase types added for manual formulation
  - Added a math phase, which allows math and logical operations in the recipe
  - Adjust off tolerance feature, allows the operator 1 chance to adjust the feed if it is out of tolerance, before moving on to the next recipe step.
  - You can see a full list of all the new features by visiting:  
[ftp://ftp.usa.mt.com/pub/indmkg/IND780\\_Batch/Marketing%20Information/Presentations/780Batch%20Enhancements%207.3.xx.pdf](ftp://ftp.usa.mt.com/pub/indmkg/IND780_Batch/Marketing%20Information/Presentations/780Batch%20Enhancements%207.3.xx.pdf)