



Application Spotlight

Achieve Repeatable Golden Batch Outcomes



Capture higher margins
in your batch process
by improving
cycle times and
Right-First-Time
metrics.

CHALLENGE

Achieving and repeating Golden Batch outcomes is your goal. Many facilities operate with a Right-First-Time metric between 40-70%. Bad batches increase cycle times because they require rework or worst case, even scrapping.

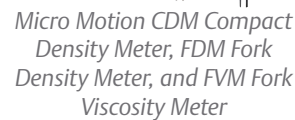
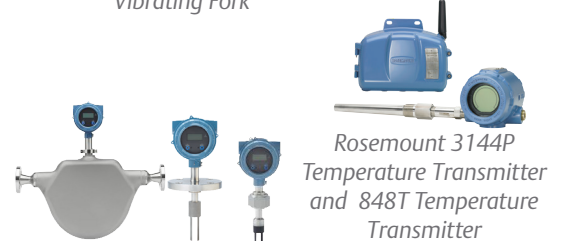
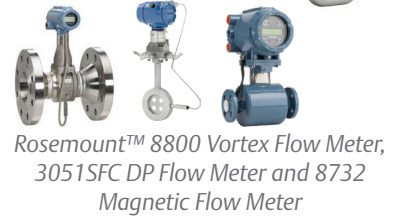
Users tell us that up to 62% of work performed by staff is non-value add including unnecessary operator rounds that waste precious hours on the process. Also, manual measurements have inherent safety risks to employees.

OUR SOLUTION

Utilize Emerson solutions in the batching process application and you can consistently hit quality and production targets while having a safe and reliable operation.

- **Mass Flow** – Improve material feeds and verify density
- **Mag, Vortex, DP Flow** – Improve heating/cooling flow loop and vapor space control
- **Level** – Prevent overfills and verify material adds
- **Temperature** – Improve consistency and avoid excursions
- **Pressure** – Improve head pressure control to reduce safety risk
- **Density, Viscosity & Analytical** – Improve quality with continuous online measurements

Emerson has the portfolio breadth and industry experience to help you leverage automation technologies and services to achieve top operational performance.



Learn more about how to achieve the highest yield possible
in your batch process, [click here](#),
or contact your local sales representative.





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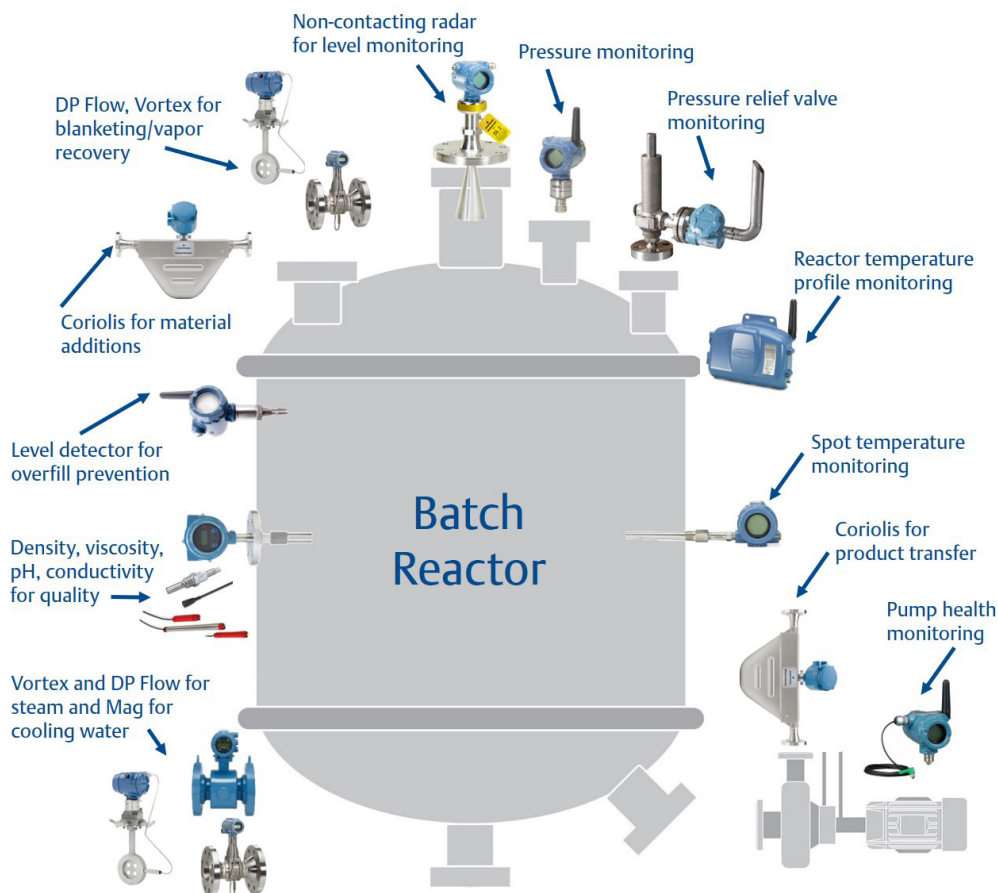
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THE VALUE OF EMERSON'S COMPREHENSIVE SOLUTIONS

Emerson can help you obtain consistent batch results to replicate the Golden Batch. Statistical insight and measurement capabilities can improve your Right-First-Time metric and batch cycle times – increasing overall performance.

Here are a few ways Emerson can help you achieve consistent Golden Batches:

- **Obtain tighter recipe control and reduce out-of-spec batches** with highly accurate mass & density measurement from Micro Motion Coriolis Mass Flow Meters.
- **Achieve reliable measurement despite challenging conditions** caused by turbulent agitation, dusty conditions, narrow vessels, or thick layers of dense foam with the Rosemount™ 5408 Level Transmitter – Non-Contacting Radar.
- **Improve batch results with more accurate temperature control without penetrating the process** with the Rosemount X-well™ technology.
- **Reduce safety risk** by keeping the reactor pressure within safe operating conditions. The Rosemount 3051S Series Pressure Transmitter helps you reduce cycle times by optimizing reactor gas purging and additions.
- **Eliminate manual sampling to reduce cycle times and safety risks.** The Micro Motion FVM Fork Viscosity Meter rapidly responds to viscosity changes for better reactor control and final product quality.
- **Reduce batch cycle times with real time pH measurement.** The Rosemount RBI pH/ORP Sensor can help improve product quality to allow reactions to proceed correctly, resulting in higher yields.



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