

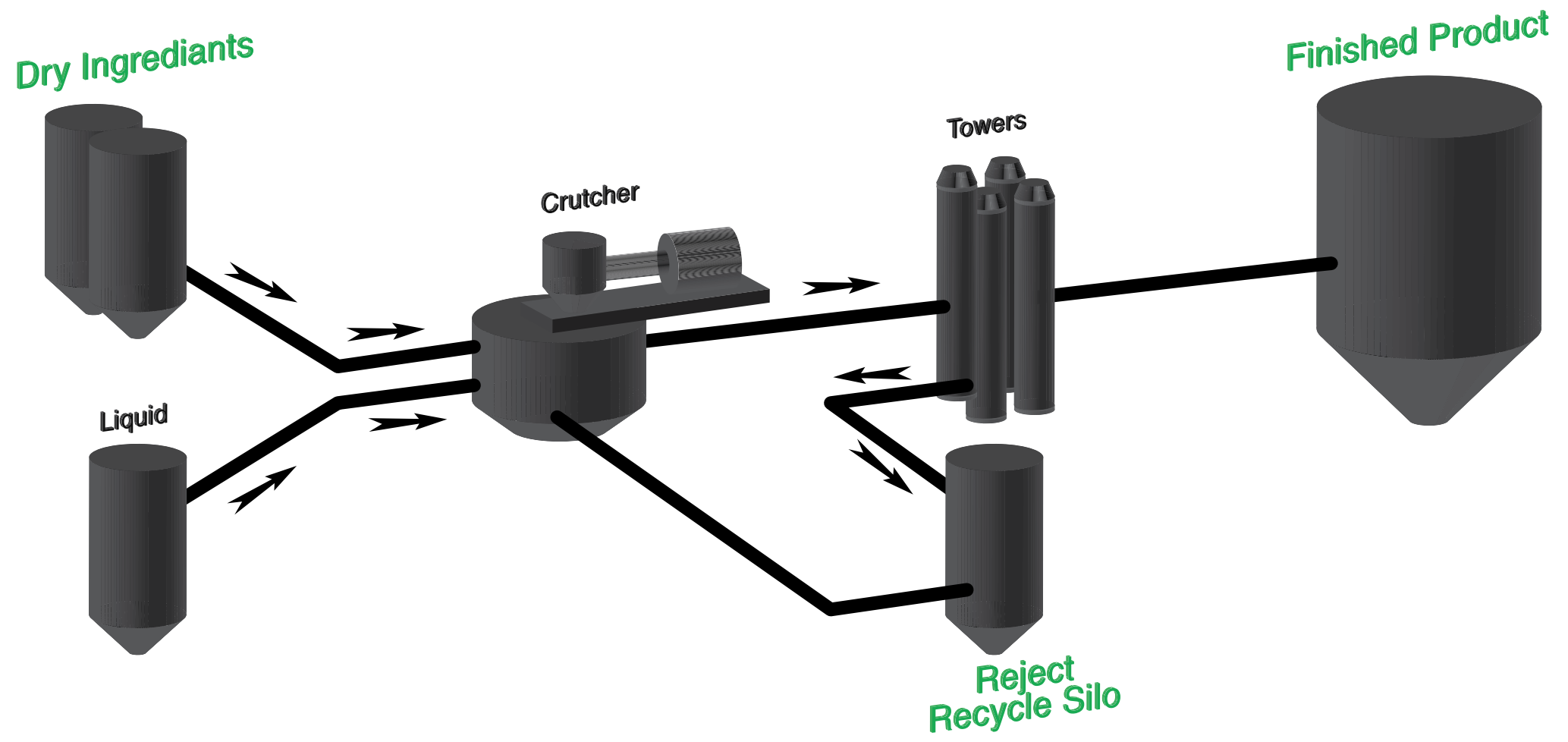
Detergent Production

Industry Applications Series



*Changing the market
from level to volume*

Detergent Production Diagram



Dry Ingredients

Application: Raw materials are stored in silos before being transferred to the production process.

Challenges: As the raw materials are being processed together, it is important to accurately measure the content of the silos to assure continuous production. APM's 3DLevelScanner uses multiple-point surface mapping technology to generate true volume levels inside the silos in real-time, enhancing end-users' ability to better manage inventories.

Finished Product

Application: The final product is stored in silos before being packed and shipped.

Challenges: Accurately measuring the inventory of the final product is a continuous necessity for operators. The APM 3DLevelScanner accurately measures the volume of the contents inside the silos, giving the end-user better control over inventory management and delivery schedules, and enhances the reliability of related financial reporting.

Reject Recycle Silo

Application: The dried granules are screened to obtain a relatively standard size; unscreened material is transferred to a storage silo, and then is sent back to the process as part of the ingredients.

Challenges: The material generates dust during process and tends to create build-ups at the bottom of the silo. The end-user's main challenges are to continuously monitor the silo for the volume of stored material and also to discover build-ups as early as possible. Then maintenance can be scheduled and cleaning performed to avoid damage to the silo and costly interruptions of the production process. Only APM's volume measurement and 3D visualization tool allows such continuous monitoring and early detection of build-ups.



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