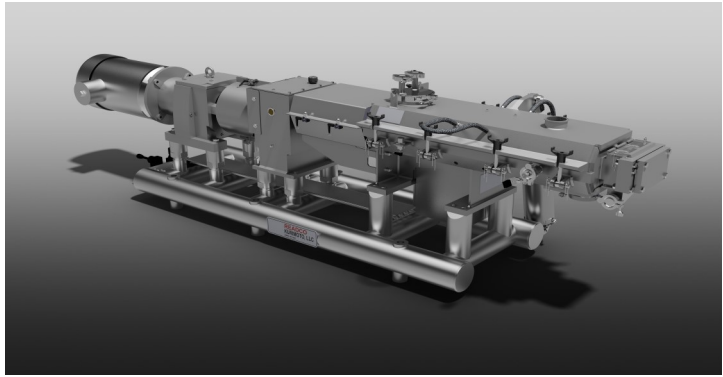




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Dry Mass Granulation Case Study

Application:

Accurately dispense a low percentage of liquid active ingredients into a large percentage of excipient or “bulking agent”

Challenge:

Continuously and accurately disperse the correct amount of active ingredient into a bulking agent. The granulated material must meet particle size and compactibility specifications for use in a tablet press.

Process Conditions:

Dry Powder / Excipient	99%
Liquid active ingredient	1%
Small amount of additional water may be added to achieve the correct particle size.	
Jacket Temperature	Ambient
Shaft Speed	220 rpm



Solution:

The Continuous Processor successfully and quickly generated a steady stream of well dispersed product. The enclosed mix chamber insures mixing occurs with minimal dust.

Benefits: Low moisture processing adds only the minimal amount of moisture needed to agglomerate and evenly disperse the powders. The result is granular material that can go straight to a tablet press or other downstream equipment without additional drying.

Continuous Processor—CP

Features and Benefits:

Customized Paddle Arrangements

Shorter Cycle Time

Fewer Process Steps

Less Waste

Product Consistency

Excellent Dispersion

