



Product News

Munson Machinery: Rotary Continuous Bulk Solids Mixer for High Volume Applications

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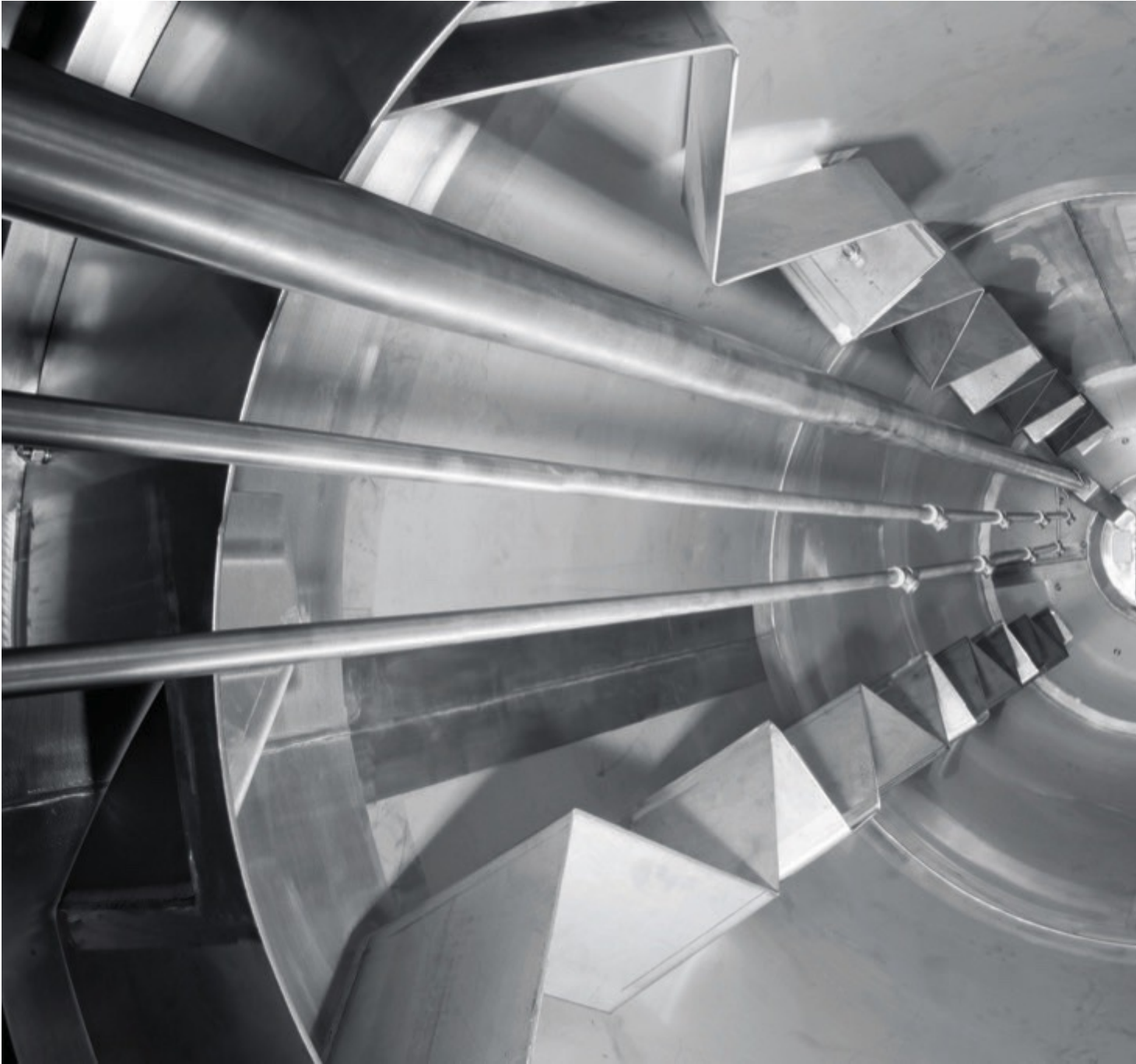
Utica (NY), United States -



Munson Rotary Continuous Mixer RCM36X9SS blends dry materials uniformly with or without liquid additions, rapidly and at low cost over long production runs with little or no degradation.

It features a stationary inlet, a stationary outlet, a rotating drum with smooth interior surfaces and proprietary mixing flights that impart a gentle tumbling action, distributing particles with each degree of drum rotation, imparting no shear or energy into the material. Unlike mixers with agitators that are forced through stationary material, the rotary continuous design has no internal moving

parts and lower power requirements; a 2.24 kW electric motor rotates the drum at 8 to 10 RPM. Optional stainless steel piping with nozzles allows uniform spraying of liquid additives onto a wide expanse of cascading material produced by the internal flights, minimising the time required to coat all particles uniformly.



As the drum rotates, proprietary mixing flights distribute particles rapidly with no shear. Optional internal piping (left) feeds nozzles that coat cascading material with liquids.

A weir (dam) at the discharge end of the drum creates a build-up of blended material that overflows the weir and discharges the mixer at rates determined by

the residence volume of the rotating cylinder and the rate of material inflow. A reversing discharge weir is available to fully evacuate material at the end of production runs, allowing cleaning or sanitising. Other models are offered in diameters from 40 to 180 cm, in lengths from 120 to 730 cm. Typical applications include bulk foods such as cereals, powdered drink mixes, snack foods and pet foods, and bulk chemicals such as detergents, catalysts, polymers, pesticides and fertilisers. Other mixing and blending equipment produced by the company includes Rotary Batch Mixers, Ribbon/Paddle/Plough Blenders, Vee-Cone Blenders, Fluidised Bed Mixers and Variable Intensity Blenders. Size reduction equipment includes Pin Mills, Attrition Mills, De-Clumper Lump Breakers, SCC Screen Classifying Cutters, Rotary Knife Cutters, HammerHead Hammer Mills and Titan Shredders.