



Product News

Munson Machinery: Abrasion-Resistant Lump Breaker

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Utica (NY), United States –



Low-profile configuration allows for conditioning of material in restricted spaces between bulk storage, handling, processing and packaging equipment. Optional feed hoppers and support structures allow independent operation.

Material entering the 610 mm square inlet of the RDC-2424-MS De-Clumper is reduced in size by dual rotors with three-point, single-piece, AR-235 abrasion-resistant steel breaking heads rotating with minimum clearance above a curved, perforated bedscreen. On-size material exits through 25 mm-diameter apertures in the bedscreen. Other bedscreens are available with apertures ranging from 25 to 64 mm in diameter. Powered by a 5.6 kW motor with gear reducer and a rugged chain and sprocket drive, the synchronised shafts rotate at approximately 120 RPM, offering high throughput rates with minimal heat generation. A side mounted bedscreen can be rapidly removed for cleaning, replacement or maintenance. The compact, low-profile design allows inline placement in restricted spaces between upstream and downstream processing, packaging or bulk storage equipment. With an optional feed hopper and support structure, it can also operate as a stand-alone unit. The unit is recommended for breaking lumps in product flows of bulk materials such as cement powders, sodium or calcium carbonates, fertilisers, and bulk chemicals of all types.



Dual rotors with three-point, single-piece, abrasion-resistant breaking heads rotate with minimum clearance above a curved, perforated bed screen with apertures from 25 to 64 mm in diameter.

According to the manufacturer, it is built to withstand heavy usage and is simple to maintain; bearings can be lubricated through external fittings and are isolated

from the product processing area with air purged shaft seals. Suitable for industrial and chemical applications, it is also offered in 304/316 stainless steel, finished to sanitary standards for food, dairy, pharmaceutical or industrial applications. The company also manufacture higher capacity models with square or rectangular inlet openings up to 1220 mm, and up to four rotors driven by motors up to 30 kW. Other size reduction machinery offered by the company includes Screen Classifying Cutters, Pin Mills, Attrition Mills, Rotary Knife Cutters, Hammer Mills and Shredders. Blending equipment includes Ribbon/Paddle/Plow Blenders, Rotary Batch Mixers, Rotary Continuous Mixers, Fluidised Bed Mixers and Variable Intensity Blenders.