



Herbold Meckesheim GmbH

Herbold's SMS 80/120 granulator is equipped with a metal-detecting feed conveyor.

BUTLER-MACDONALD

Heavy-duty Herbold equipment

Industrial recycler Butler-MacDonald Inc., Indianapolis, sees itself as willing to go beyond standard assumptions about the value of plastic waste. Working with manufacturers, prime resin producers, plastics brokers, and even other recyclers, the company recovers high-quality polymers, achieving yields, purities and separations not ordinarily expected.

Although some aspects of the firm's processes are proprietary, the formula for success is straightforward: creative engineering, stringent laboratory controls and high-quality equipment.

J. Scott Johnson, Butler-MacDonald's president, CEO, and chief system designer, says the company is getting more challenging work.

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J. Scott Johnson
Butler-MacDonald

"As people do more and more recycling, digging deeper into the pile, if you will, they're ending up with more difficult things to recycle. So that's where some of our growth has come from — difficult work is our forte," he said. Butler-MacDonald customers include plastics compounders, telecommunications companies, and

producers of CDs and DVDs, aeronautical and auto parts, vinyl siding and windows, PET bottles, and pharmaceuticals.

That increase in business requires a granulator. So to get the job done Butler-MacDonald uses an SMS 80/120 granulator from Herbold Meckesheim GmbH. The German machinery company's U.S. subsidiary is Herbold Meckesheim USA Resource Recycling Systems Inc. of North Smithfield, R.I.

The SMS 80/120 granulator has a large, 36- by 45-inch feed opening, which helps Butler-MacDonald achieve throughput capacities of up to 9,000 pounds per hour. Butler-MacDonald uses the heavy-duty SMS 80/120 because it has features like a sturdy welded-steel construction and external rotor bearings (so no material gets into the bearings and no grease into the product).

The machine also has energy-efficient double crosscutting action and a deflection wedge that can be removed to accommodate large objects like refrigerator housings and other major appliances. The line is equipped with a metal-detecting feed conveyor. Butler-MacDonald also uses another Herbold machine — a T1015 mechanical dryer/centrifugal washer. The unit can be used as an intensive washer and a dryer for film, regrind and mixed plastics.



1,756 pounds of tires. **23,089** feet of film.
78 rolls of carpet. **962** plastic bottles.

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