

ERIEZ**Ceramics • Metallurgy**

Eriez® Vibratory Feeders **Revolutionize** Washington Mills' **Crushing System**

With roots dating back to 1868, Washington Mills is North America's largest producer and distributor of abrasive grains and specialty electro-fused mineral products. Based in North Grafton, Massachusetts, the company holds a prominent global presence, serving a broad spectrum of industries and applications.



The Challenge at Hand

Washington Mills recently embarked on a project to replace a feeder and conveyor belt that had exceeded their expected lifespans. These original units were no longer aligned with the company's current crushing system requirements.

Though the old feeder continued to function adequately, its age and past repairs inevitably led to a noticeable decline in peak efficiency. Consequently, the feed rate had significantly dropped, preventing the feeder from reaching its maximum throughput capacity.

The new system needed to remedy not just this efficiency gap, but also provide gains in the extraction of iron while minimizing dust production and material loss that can occur during the feeding process.



Selecting the Ideal Feeder Models

With nearly six decades of trust in Eriez vibratory feeders and magnetic separators, in March 2023, Washington Mills turned to Eriez to acquire a new feeder model capable of delivering an optimal amount of feed material to maximize throughput.

After considering factors such as feed rate, dimensions, wear resistance, and power specifications, Eriez recommended the new 65B-HC (High Capacity), 65B, and 66C vibratory feeders. The 65B-HC, in particular, was chosen for its exceptional maximum feed rate and outstanding performance. The Eriez feeders were customized to seamlessly fit within the existing space constraints and were equipped with powerful features.





Tailored Solutions

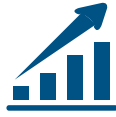
To accommodate the demanding application requirements and space constraints, Eriez precisely designed its feeders with robust integrations to maximize efficiency and effectiveness, while also providing cleaner and more controlled – and controllable – results.

More customizable solutions were incorporated to guard against the abrasive properties of the material and expedite replacement and maintenance efforts. The feeders were further enhanced by four state-of-the-art control units to ensure precise system demand could be maintained under every operational condition.



ERIEZ 65B-HC VIBRATORY FEEDER: A Game-Changer

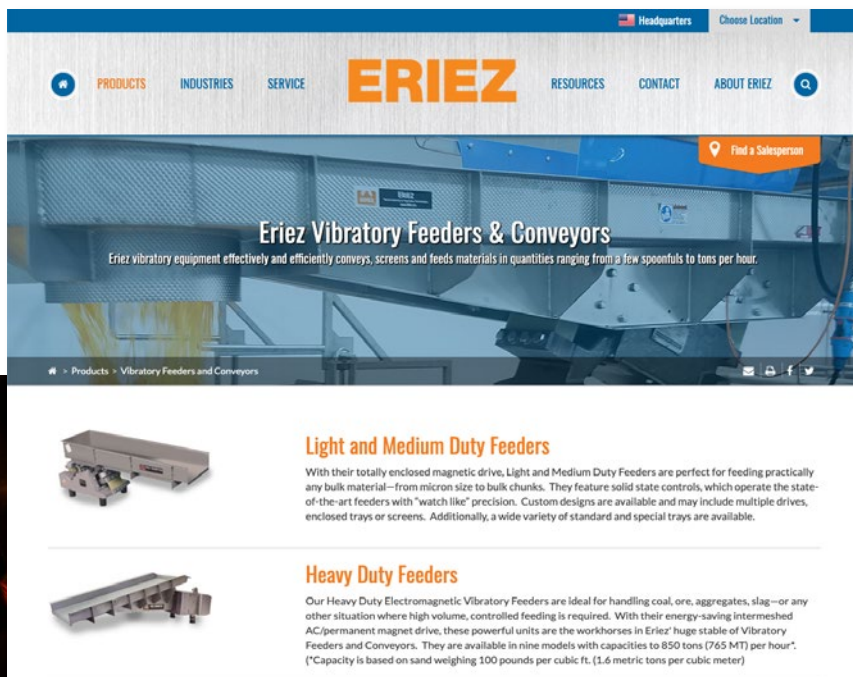
Since installation, the new 65B-HC vibratory feeder has delivered exceptional performance. In contrast to the previous feeder, which had to operate at full capacity to provide the required material feed, the 65B-HC feeder efficiently delivers the same quantity of feed while running at a significantly reduced capacity.



Expected Enhanced Outcomes

With the installation of the new 65B and 66C vibratory feeders, Washington Mills anticipates a substantial increase in throughput across the entire crushing system. Eriez's customizable solutions made it possible to install the new feeder into an existing system while maintaining the integrity of existing systems and controls.

With a history spanning over 60 years, this latest collaboration continues the successful partnership between Eriez and Washington Mills. The new Eriez 65B-HC, 65B, and 66C vibratory feeders are poised to further elevate overall production, solidifying Washington Mills' position at the forefront of operational excellence.



**For more information
about Eriez Vibratory
Feeders & Conveyors
and other separation
technologies,
visit Eriez.com**

ERIEZ

World Headquarters
2200 Asbury Road
Erie, PA 16506

Established in 1942, Eriez is a global leader in separation technologies. Our commitment to innovation has positioned us as a driving market force in several key technology areas, including magnetic separation, flotation, metal detection, and material handling equipment. The company's 900+ employees are dedicated to providing trusted technical solutions to the mining, food, recycling, packaging, aggregate, and other processing industries. Headquartered in Erie, Pennsylvania, USA, Eriez designs, manufactures, and markets on six continents through 12 wholly owned international subsidiaries and an extensive sales representative network. For more information, visit www.eriez.com.

CALL: 814-835-6000 **EMAIL:** eriez@eriez.com **VISIT:** www.eriez.com

ERIEZ

CASE STUDY: **Ceramics • Metallurgy**