

CUSTOMER SPOTLIGHT: MAGNECO/METREL, INC.



Precision Vibration for a More Durable Refractory Product

For over a decade, Magneco/Metrel, Inc. has relied on Cleveland Vibrator Company's industrial vibratory tables to meet the strict demands of their refractory casting process.

As a global supplier of high-performance refractory solutions, Magneco/Metrel manufactures large-scale castings—some as wide as 15 feet in diameter—for use in electric arc furnaces and other extreme-temperature environments. The company's success depends on creating cast products that are strong, consistent, and built to withstand punishing thermal cycles.

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Vibration is critical for our process, and we could not achieve this without Cleveland Vibrator Company

—Eric Boring, Magneco/Metrel Inc.

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The Need for Consolidation Without Compromise

To achieve maximum part integrity, Magneco/Metrel uses vibratory tables to ensure complete mold fill and remove air pockets before the refractory material sets. This process, known as material consolidation, is essential for strength, density, and dimensional reliability, especially for parts with complex geometries.

“Our process depends on precise vibration. Cleveland Vibrator tables give us the exact force and frequency we need to get consistent results every time.”

— Eric Boring, Vice President of Manufacturing & Engineering, Magneco/Metrel

Cleveland Vibrator's equipment has been critical in helping Magneco/Metrel meet quality targets while reducing scrap and rework. Over the years, they've purchased eight vibratory tables from CVC, including custom builds up to 12' x 12' in size—essential for handling the massive molds used in dome and furnace cover castings.

Durability Under Daily Impact

Magneco's plant environment is tough. Steel molds weighing thousands of pounds are loaded and unloaded multiple times a day, often dropped from above. And yet, CVC's tables continue to perform with minimal maintenance and impressive longevity.

"These tables are built to last. We beat on them every day, and they just keep going. They require very little maintenance or downtime, which is great."

— Eric Boring

This extreme durability has delivered a strong return on investment. With less downtime and fewer replacements, the tables not only support production—but also extend the life of Magneco/Metrel's own product line.

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Better Vibration = Better Product

By consolidating material evenly across the entire mold, Cleveland Vibrator's tables help Magneco/Metrel produce stronger, more uniform parts that command a premium in the market.

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A Trusted Partnership

Cleveland Vibrator Company is proud to support Magneco/Metrel's ongoing mission to deliver top-tier refractory technology to the global metals industry. From initial consultation to custom engineering and ongoing support, CVC continues to provide the vibration expertise Magneco counts on—day after day, shift after shift.

FOR MORE INFORMATION

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Email: sales@clevelandvibrator.com

Buy Online: www.clevelandvibrator.com