

Magnetic Products Inc. (MPI) Launches the Patented Wave Magnet™

Innovative Design, Self-Cleaning, Sensor-Enabled Intelli-Mag® Smart Monitoring Magnetic Separator for Pneumatic Conveying

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The Intelli-I-Mag® Wave Magnet™ is engineered for effortless maintenance. The self-cleaning system guarantees safer, more automated cleaning at the touch of a button."

Kyle Rhodes, MPI Executive Vice President

MPIMAGNET.COM—Magnetic Products Inc. (MPI) will introduce the Patented Wave Magnet™, designed to effectively eliminate ferrous contaminants from product streams in [pneumatic conveying](#) systems, at this year's Pack Expo, which will take place from November 3 to 6 at McCormick Place Convention Center, booth N-5543.

The patented Wave Magnet™ is engineered using the same advanced flow control principles found in Formula 1 race car designs for downforce generation and enhanced cornering speeds, as well as those used in the United States Air Force F-117 Nighthawk for optimal airflow and

pressure management, aiding in complex maneuvers and operational efficiency. The Wave Magnet™ provides a high holding force while reducing flow restrictions compared to traditional pneumatic line magnets, resulting in better flow dynamics and reduced back pressure.

The Wave Magnet™ is characterized by a patented wave structure that slows airflow for maximum metal capture and minimal product damage. As the product enters the magnet housing, a diverter channels the flow toward the magnet poles to enhance capture. The diverter creates areas of low flow combined with high gauss, ensuring optimal tramp metal capture. The separator features a self-cleaning design and is equipped with [Intelli-I-Mag®](#) technology, eliminating unnecessary shutdowns and blind inspections.

"The Wave Magnet™ is engineered for effortless maintenance. The self-cleaning system guarantees a safer and more automated cleaning process at the touch of a button, minimizing direct contact during maintenance. The system is equipped with Intelli-I-Mag® technology and prevents unnecessary shutdowns and repetitive capacity checks. Operators no longer have to halt an entire production line to inspect a magnet that may not need cleaning. We're very proud of how many industry-firsts are packed into this separator," stated Kyle Rhodes, MPI Executive

Vice President.

See a live demonstration of the Intell-I-Mag® Wave Magnet™ during Pack Expo in Chicago in booth N-5543. Learn more about the Blade Magnet at mpimagnet.com.

About Magnetic Products Inc (MPI)

Based in Metro Detroit, Michigan, Magnetic Products Inc. (MPI) designs, manufactures, and services magnets, material handling, and electronic inspection systems. MPI products are designed to be complete metal and foreign contamination control and material handling solutions. MPI leads the industry by continuously engineering inventive magnetic equipment and advancing customer education. Our processing solutions are built to last - pairing engineers with expert manufacturers to design and build the best products. MPI has numerous patents, trademarks, and property designs that have revolutionized the separation and material handling industries. Need to speak with an MPI Expert? Contact Us by email at info@mpimagnet.com or by phone at 248.887.5600x1.



Sensor-Enabled Intell-I-Mag® Smart Monitoring Magnetic Separator for Pneumatic Conveying

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