



PRESS RELEASE

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Company News

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Petlon Polymers chooses UK manufacturer to ensure high grade polymer production.

Petlon Polymers Ltd are investing in its polymer compound production lines by upgrading their metal detection and separation equipment with the [EZ-Tec 9100 all metal separator](#), developed and manufactured by UK-based manufacturer Eriez Magnetics Europe Ltd. The EZ-Tec 9100 all metal separators from Eriez are being installed at critical stages of the process to ensure metal free end product quality at an affordable price.

A leading manufacturer of engineering polymer products, Petlon offers a range of prime, recovered (R-Prime) and recycled materials as well as material recovery solution for waste products from manufacturing operations in the range of engineering polymers as well as in PET. The plastic waste material is collected, shredded, granulated and then used as a base feedstock in the manufacture of high end quality engineering compounds.

Designed and manufactured in South Wales, United Kingdom, the EZ-Tec 9100 is a vital part of the process, removing ferrous and nonferrous metals in order to protect expensive machinery and ensuring all finished products are free from any metal fragments. The result is a high quality finished product.

Explaining the reason for their choice, Gavin Rees, Managing Director and James Moverley, Maintenance Electrician at Petlon Polymers commented: "We're delighted to be working with a UK manufacturer. It provides us with a responsive support at a lower cost and allows us to develop a solution that matches our requirement exactly. Due to the potential of metal components in the raw material, protection of equipment is vital and the EZ-Tec 9100 enables this at a competitive price. Working together with Eriez has enabled us to develop an upgraded

metal separator with a specially-designed reject flap which has a longer life and significantly reduces overall repair costs, and down time.”

The EZ-Tec 9100 is a high sensitivity all metal balanced coil technology metal separator, equipped with a quick acting pneumatic reject mechanism. The model installed on Petlon’s production lines detects and removes any ferrous, nonferrous and stainless steel particles greater than 0.5mm sphere. Petlon are upgrading the equipment at different stage in the production flow, where it is used for improved pre-screening as well as ensuring the high quality of the final products. Easily retro-fitted, this compact metal separator is designed for installation in free fall or gravity-fed applications and can be used as a stand-alone unit or installed in line with the process flow.

“We have been working with Petlon Polymer engineering team for the last 18 months in order to find a highly reliable, efficient and cost effective solution ” comments Paul Hale, Eriez sales manager – metal detection, Thanks to years of experience in dealing with similar issues and our range of material handling equipment. Eriez could work out a sustainable solution combining magnetic separation, metal detection and vibratory feeders.”

More information on Petlon Polymers can be found at <http://petlonpolymers.co.uk/>

More information on Eriez EZ-TEC 9100 separators, including videos can be found <http://www.eriez.com/Products/Index/Eztec91000>



Ez-Tec 9100 inspects plastic granules before the extrusion process, removing any metal contamination.



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About Eriez Europe:

Eriez Europe, based in Caerphilly, South Wales, UK is a manufacturing affiliate to the privately held US-based Eriez, a world authority in separation technologies. The company design and manufacture separation, material handling and inspection equipment, used throughout process industries like food, plastics and chemicals, mining, aggregates, metalworking and recycling. Eriez manufactures and markets these products through 8 international affiliates located on 5 continents. For more information visit www.en-gb.eriez.com