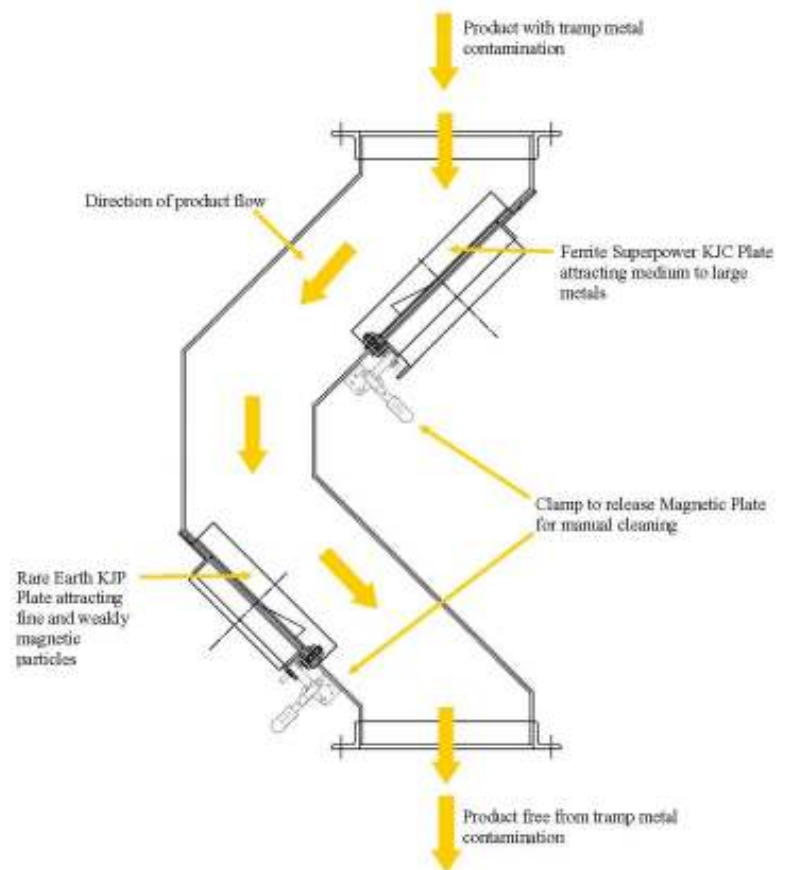


Magnetic hump helps ensure purity of import/export cereals

Eriez Magnetics Europe, Caerphilly, UK, has supplied a magnetic hump separator to Granexport AD, a Serbia-based company specialising in import and export of cereals. The requirement was to remove any small ferrous contaminants (10mm and below) from a pipeline of continuously flowing corn with a moisture content of 14% and a freefall height of 1000mm. Eriez supplied a magnetic hump separator in which a plate magnet forces the flow of material to change direction while at the same time capturing ferrous particles. A second plate magnet is specially positioned within the dog-leg structure to catch the remaining metal contaminants. For this application magnets of two different strengths were employed, the top one being a Ferrite Superpower KJC plate designed to attract larger pieces of tramp metal and the lower one, a rare earth KJB plate, removes fine iron and weakly magnetic particles. www.eriez.com



Eriez magnetic hump separator at Granexport showing (right) how it captures ferrous contaminants