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RECOMMENDATIONS :

Magnet Inspection, Cleaning, Checking for Strength and Contamination Removal advice.

Inspection and Cleaning.

Processes, products and levels of contamination vary from industry. Therefore there is no set time scale for inspecting and cleaning of the magnets. However magnets operate more effectively when they are clean. It is therefore up to each company, given their expected levels of contamination, to decide when they should be cleaned. A regular rota should be set up for personnel to inspect and clean the magnets. Ideally this will be at least after each different process. This will help in identifying problems up the process line, if some processes show more collection of contamination than others.

Strength Testing.

We have supplied magnets according to strength required. We can also issue a certificate for this if required. There is no set time when the strength of magnets should be checked. It is up to the company to decide. The magnets are permanent and should not lose their strength unless exposed to heat, shock or vibration. Magnets should not be heated above their heat resistance. The heat resistance of the magnets will have been specified when ordered. As a general rule however, an annual inspection should suffice.

To test the strength, you will require a gaussmeter which ideally shows maximum readings. Using the probe on the surface, the magnet strength varies along the tube, so it is important to find the highest reading, which can sometimes take 10-15 minutes.

Contamination Removal Capabilities.

In terms of collection, it is not possible to say what size of particle will be collected. One can argue that above 3000 gauss, all particles sizes including ferrous dust will be collected. That is not to say 100% contamination will be removed, as small particles can be trapped within the product, thus preventing removal. However the higher the strength of the magnets, the more likely it is that the particles will be held to the magnets in the product stream.

Bespoke Process Magnetic Solutions Manufactured to World Class Standards

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