

### Metal Detection

Jaymor Industries Ltd manufactures heavy duty industrial metal detectors to suit the individual customer's needs. The **Jetscreen** metal detector range will positively identify tramp metal before any damage is done further down the line. The detector will indicate the presence of tramp metal by either stopping the conveyer, sounding an alarm, rejecting a portion of the product, or reversing the belt. Any combination of these functions may be used in an installation to meet the customer's requirements.

The **enclosed detector head** is ideal for applications where the material on the conveyor belt is likely to sit a reasonable height from the base of the belt. The conveyor will be fed through the centre of the head so that the product is examined from all four sides of the head.

The dimensions of the opening in the head will be constructed to suit the specific conveyor size and the likely height of product on the belt. As sensitivity reduces with distance from the sensing head, Jaymor technicians will work with the customer to ensure that an optimal head size is designed to meet the requirements of the application.



*Enclosed metal detector head.*

The **flat detector head** is designed to sit just beneath the conveyor belt and can be made to match the width of the belt in order to ensure reliable operation. The flat head is a popular option as they are simple to install and, although less sensitive than the other styles of heads, proves more than adequate for many applications.

As the head sits beneath the conveyor belt, it is not necessary to cut the belt when installing and, provided the head is located sufficiently clear of any other metal work, it will perform very well.



*Flat metal detector head.*

The location of the mounting brackets and junction box on the head can be placed in any position to suit the individual mounting requirements of the end user. The brackets are typically constructed of 50mm x 50mm aluminium angle and can extend past the outer dimensions of the head if needed.

### Contact

For more information on any of Jaymor Industries products or services, please visit our website at [www.jaymor.co.nz](http://www.jaymor.co.nz) or contact us directly by any of the following means:

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