

# Medetec Metal Detectors Worksheet

Name : .....

Company : .....

Phone : .....

Fax : .....

Email : .....

Conveyor number / reference : .....

Minimum tramp metal size to be detected (mm) : .....

1. Material transport width (mm) : .....  
(In order to choose the size of the coil. Choose smallest coil, big enough to search the whole material flow)

2. Material transport height (H)(mm) : .....  
(In order to determine smallest detectable metal piece on top of material. Also for selecting search coil position)

3. Material transport speed (m/s):.....  
(For checking that speed is within metal detector specification)

4. Transported material : .....

.....

(For checking that the transported material itself does not cause alarm signal. Transported material may be magnetic or electrically conducting, even though it is not a metal)

5. Type of application : .....

(As general information)

6. Requirement – smallest detectable metal piece (mm) :

.....

(For checking that the customers requirements is within metal detector specification. The size of metal piece to be detected relates to the construction of the machine that shall be protected from damage)

7. Type of metal expected : .....

Steel (magnetic), strongest signal

Steel (non-magnetic), lowest signal

Nonferrous, medium signal

8. Search coil, type and size : .....

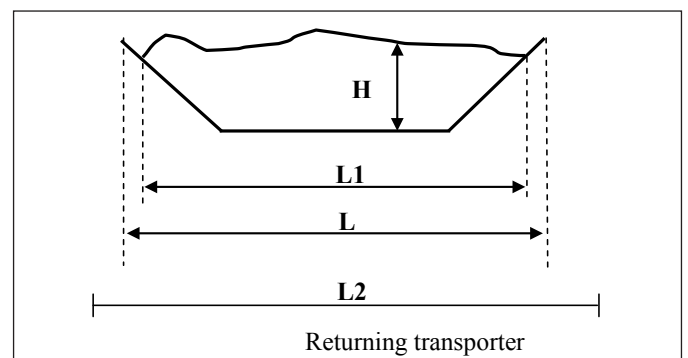
.....

(Type can be: non-screened, flat screened, surrounding screened. Size according to catalogue)

9. Search coil position : .....

(Above the coil: The most common. Between two coils: Check material transport height. Protection of upper coil needed. Through the coil: Conveyor belt must be cut. Best sensitivity)

10. Dimensions of L, L1, and L2, on the diagram below :



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**K-WS-Metal Detector; Rev. 0;**

**kinder.com.au**

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