

Metal Detector Worksheet

**This worksheet is required for quotations and is needed before orders can be processed.
Please fill out a photocopy and fax to Arch Environmental Equipment at 800-230-9462.**

Company: _____ Date: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Contact: _____ Project: _____

Conveyor Data (Conveyor Number: _____)

Material Conveyed: _____ Operational Temperature Range: _____

Material Type: Wet Dry What Operation is Taking Place? Mining Plastics Timber Other

Material Density: _____ (weight per cubic foot - approximate)

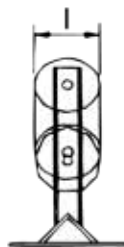
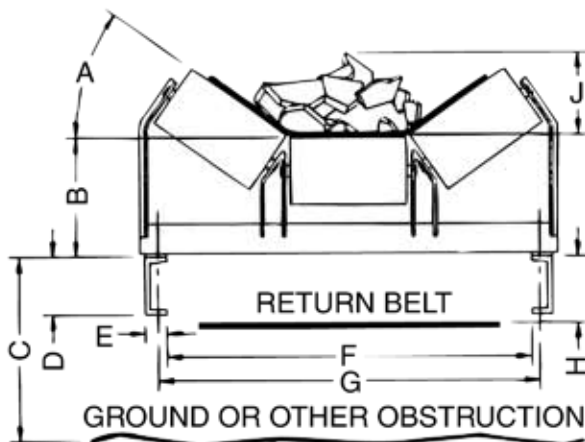
Belt Width: _____ Belt Type (Brand/Model): _____

Belt Speed: _____ Fixed Variable Belt Length: _____

Tons per Hour: Max _____ Long Short Metric

Power Available at Installation Point: 115 VAC 220 VAC 50 HZ 60 HZ

Is the Belt Bi-Directional? _____



Idler Type:

- ☐ Troughing
- ☐ Flat
- ☐ Rigid Mine
- ☐ Wire Rope
- ☐ Catenary

Coil Type

- ☐ Undersearch
- ☐ Standard
- ☐ Dual Standard

Please mail or fax a drawing or sketch of the desired installation point(s) on the conveyor where the Control Unit and Search Coil(s) will be installed.

A) Troughing Angle: _____

B) Center Roll Height: _____

C) Ground Clearance: _____

D) Stringer Height: _____

E) Flange Width: _____

F) Structure Clearance: _____

G) Bolt Hole Centers: _____

H) Clearance to Belt: _____

I) Roller Diameter: _____

J) Burden Height: _____

Manufacturer: _____

Idler Manufacturer: _____

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Are other materials present in the burden? If so, what? _____

Is there a crusher in line? If so, what is the jaw width? _____

When metal is detected in the burden, what action is to take place to remove it? _____

How far apart will the Control Panel be from the Search Coil? _____

Are there multiple belts in the same delivery system? _____

Do you require automatic removal of the unwanted metal? _____

Is there a metal belt splice on the belt? If so, how many? _____

Are belt clips used to repair tears in the belt? _____

How far apart are the splices/repairs? _____

What size of unwanted metal do you wish to find? _____

What is the smallest dimension of the metal you wish to find? _____

Will an operator be used in this operation? _____

Does the belt have steel cores? _____

How far apart are the idlers? _____

Do you need to mark the burden where metal has been found? _____

Thank you for taking the time to fill out this worksheet.

It is essential that we are aware of your exact requirements and site conditions.

This will help Arch Environmental provide you with the correct equipment for your application.