

# Vibratory Magnetic Separator iMAG-VIBRA-SEP



## Installation instructions

### CAUTION

#### EXTREMELY POWERFUL INDUSTRIAL MAGNET

#### IMPORTANT INFORMATION

#### Please read before handling Magnet

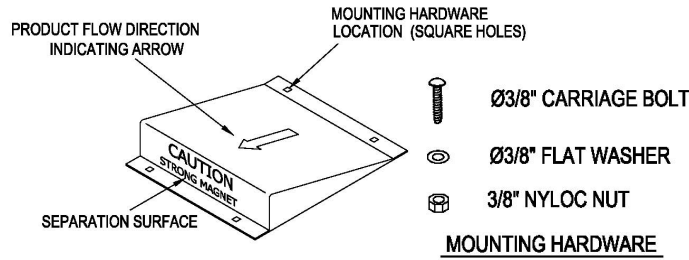
Thank you for purchasing Innovative Magnetic Technologies Inc.'s Permanent Magnetic Separators. The IMT Permanent Magnetic Separators utilize some of the world's most powerful magnetic materials and **EXTREME CAUTION** must be used in order to prevent injuries or death.

- The magnet strength is the strongest at the magnets surface and should be covered with a non-ferrous cover plate / spacer during installation. Examples of a non-ferrous material are products such as aluminum, wood, plastic and stainless steel (exception grade 304). The material should be of sufficient thickness as to safely allow personnel to remove steel that would be attracted to the magnets surface through the non-ferrous spacer. Typically this would be 3" away from the separator's faceplate. Once separator is installed cover plate / spacer maybe removed.
- **BE AWARE** of any ferrous materials in the surrounding area of the magnets. This includes tools, equipment, structures, workbenches etc.
- **NEVER** place any part of your body between the magnet surface and any ferrous metal in the immediate Area
- **DO NOT WORK ON MAGNETS IF YOU HAVE A PACEMAKER.**
- **WEAR WORK GLOVES AND SAFETY GLASSES** at all times when working on within close proximity of magnets surface.
- Use **CAUTION** if welding around or on the magnetic separator as the magnetic field may affect the weld.
- Sensitive electronic equipment such as cell phones, watches, camera's and computers maybe damaged by magnetic fields.



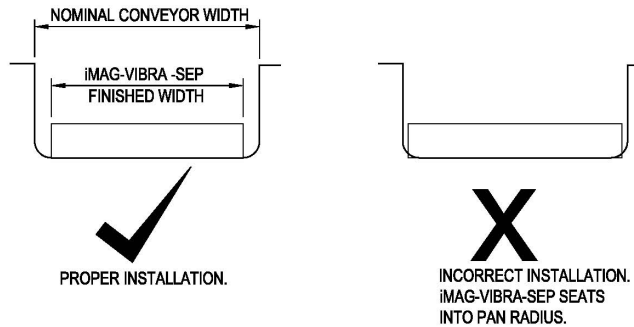
**Innovative Magnetic Technologies Inc.**

## iMAG-VIBRA-SEP PARTS



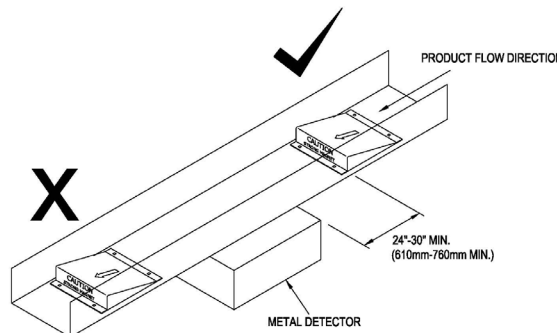
### Step 1.

Before installing the iMAG-VIBRA-SEP double check the conveyor width at the installation location making sure to exclude the trough radii. Compare this dimension with the actual width of the separator. If the separator edges ride into the trough radii do not install and contact your distributor immediately.



### Step 2.

Choose the installation location so that the separator is installed prior to any metal detectors. Install the separator a minimum of 24"-30" (610mm—760mm) from the leading edge a metal detector. It is good practice to test the effect on the metal detector regardless of the installation location.

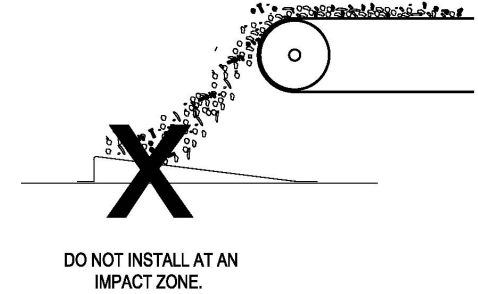


### Step 2. (cont.)

If the iMAG-VIBRA-SEP is installed in a conveyor where there is no metal detector present then Innovative Magnetic Technologies Inc. and their distributors cannot be liable for any problems arising from this type of installation. The user assumes all the risk.

### DO NOT INSTALL AT AN IMPACT ZONE.

The iMAG-VIBRA-SEP is not designed to be installed at an impact zone. If this type of installation is required please contact Innovative Magnetic Technologies Inc. or their distributor for the correct type of separator.



### Step 3.

Once the separator(s) location has been determined, place the unit centrally into the conveyor trough. Mark the center of the mounting locations. On narrow separators less than 18" wide there are 4 mounting locations. On 18" and wider separators there are 6 mounting locations. Remove the separator and drill Ø 7/16" (11mm) holes thru the conveyor at the mounting locations. Clean any drilling debris from the conveyor and reinstall the iMAG-VIBRA-SEP using the supplied mounting hardware.

