



# OPERATION MANUAL

## Magnetic Depalletizer Head

**AUTOMATION** GROUP Toll Free: 888.582.0823

P.O.#: \_\_\_\_\_

Order#: \_\_\_\_\_

Part #: \_\_\_\_\_

***Please Read This Manual Before Use.  
Keep For Your Records and Reference.***

### Introduction

Congratulations, you have purchased a high-quality Magnetic Depalletizer Head. Please read this manual thoroughly before you unpack and install your depalletizer.

#### **Unpacking Your Depalletizer:**

1. Remove packing from around the depalletizer.
2. Set the head on a non-magnetic surface.

### Contents

Safety Instructions  
Location and Function  
Installation  
Maintenance  
Warranty & Service Information 4

### Safety Instructions

#### **To reduce the risk injury when using a permanent magnetic depalletizer head:**

1. Read and follow all instructions.
2. Never lift any steel object(s) with the depalletizer other than those it was designed to lift.
3. Never stand or place any part of your body under the parts being lifted.
4. Never place the depalletizer head on or above a steel surface.
5. Do not hold steel objects in your hand(s) in close proximity to the face of the magnet.

### Location & Function

Depalletizers are designed to be suspended from automated or manual lift/transport systems. These Permanent Magnetic Lifting devices are designed specifically for customer specified product(s). Mounting provisions are usually incorporated into the top side of the depalletizer per customer specifications. If mounting provisions are not included please contact the factory for safe mounting recommendations.

The permanent magnetic circuit housed in the depalletizer head is released from the load by moving it away from the face of the depalletizer internally with an air cylinder. The size and quantity of cylinders used to raise the magnetic circuit is determined per application. Piping and Valving of the depalletizer is the responsibility of the customer unless ordered as an option when purchasing the depalletizer from IMI.

©2004 **INDUSTRIAL MAGNETICS, INC.**

1240 M-75 South • P.O. Box 80 • Boyne City, Michigan 49712-0080 • Phone: (231) 582-3100

Fax: (231) 582-2704 • Web: [www.magnetics.com](http://www.magnetics.com) • E-mail: [imi@magnetics.com](mailto:imi@magnetics.com)

**AUTOMATION** 888-582-0823

**MAG-MATE™** 888-582-0822

**TRAMP METAL** 888-582-0821

# OPERATION MANUAL Magnetic Depalletizer Head

## Installation

To install a depalletizer onto your lift/transport system, locate the tapped mounting holes on the top of the depal head. Check the tap size and depth with your mounting hardware to ensure proper size and lengths have been selected. After mounting hardware has been selected, fasten the depalletizer head to your lift/transport system with the hardware.

Install air fittings, lines and valving for control of the magnet. Be sure that the valving holds the magnet in the up position when magnet is suspended above load to be lifted. The magnet should only be cycled down once the face of the depalletizer is resting on the top of the parts to be lifted.

## Maintenance

Regularly check that the face of the depalletizers housing is free of dents or other structural damage as it could affect the performance of the magnet. Also make sure that no metallic dust or particles are building up on the face.

Check the cylinders regularly for proper operation. If the cylinders fail they could prevent the magnet from properly lifting and releasing the parts from the face.

## Warranty Service

### Industrial Magnetics, Inc. - Conveyor 90 Day Limited Warranty

#### **Warranty Service Provided**

Industrial Magnetics, Inc. warrants Transfer Conveyors against defects in material or workmanship for a period of 90 days from the date of purchase. Industrial Magnetics' responsibility under this warranty is limited to the repairing or replacing, at its sole option, any defective product. The warranty begins on the date of purchase and continues for 90 days unless you sell or rent the unit, in which case, the warranty is voided.

INDUSTRIAL MAGNETICS, INC. MAKES NO OTHER WARRANTY. INDUSTRIAL MAGNETICS, INC. SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL INDUSTRIAL MAGNETICS, INC. BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES.

#### **Warranty Service Not Provided**

This warranty does not cover Conveyor belts, damage resulting from accident, misuse, abuse, improper installation, unauthorized modification and/or loss of parts. This warranty is voided if any unauthorized person opens, alters, or repairs the unit beyond that which is directed in this manual.

#### **Obtaining Service Under Warranty**

You must obtain a Return Authorization number from Industrial Magnetics, Inc. customer service. The product must be returned to Industrial Magnetics, Inc. with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of purchase.

#### **Product Return Policy**

A Return Authorization number from Industrial Magnetics, Inc. is required for return of any product to Industrial Magnetics. This number must be clearly visible on the packing carton.

Please retain the original shipping carton and packing materials. The original shipping carton is the best shipping container for returning your conveyor, if required.