



**INDUSTRIAL  
MAGNETICS.**

# CUSTOM SOLUTIONS PROFILE!

## MEETING FOOD SAFETY STANDARDS WITH A LIQUID LINE MAGNET

A custom liquid line magnet and screener combination unit provides a cherry processor with full regulatory compliance and a superior metal capture rate.

### IN SEARCH OF A FOOD-SAFE MAGNET SOLUTION

With the aim of meeting the industry's exacting standards, a small cherry processor needed a liquid line magnet and screener to protect their product from contamination and adhere to food processing regulations.

Their ideal solution would pass Food and Drug Administration (FDA) and Hazard Analysis and Critical Control Point (HACCP) audits, including a removable filter screen that satisfied HACCP and Food Safety Modernization Act (FSMA) guidelines. To fit in with their processing needs, their desired magnet would also be portable, allowing them to use it in several locations.

### EVERYTHING THEY NEEDED (WITH A CHERRY ON TOP):

We satisfied each of our customer's requirements with a simple and economical Large Tube T-Trap magnet with a removable stainless-steel screen. Beyond the basics, this unit provides an optimal metal capture rate and operation reliability compared to traditional T-traps.

Traditional T-traps have multiple tubes that are prone to clumping together under the system's magnetic forces, line pressure, and wear over time, which eventually causes the welds on the lid to break. This can potentially send pieces of magnet, steel, or both into the customer's product.

With its single 3-inch tube, IMI's T-trap design minimizes the possibility of this catastrophic failure — and is much easier to clean than a series of 1-inch tubes. It also increases the direct surface area for contact between the magnet and material, which provides more reliable separation.

### Features:

- 1. Strong Pull**  
The 52 Mg Oe magnet provides up to 22 lbs of pull.
- 2. Built Tough**  
The heavy-duty T316 SS construction gives this unit a long lifespan with less maintenance.
- 3. Compliant**  
The insert screen complies with HACCP and FSMA guidelines.
- 4. Heat Resistant**  
The unit's maximum operating temperature is 180°F.
- 5. Pressure Tolerant**  
The unit withstands pressures of up to 200 PSI.

See Techsheet **TG09**



**TOLL FREE 1.800.662.4638** [imi@magnetics.com](mailto:imi@magnetics.com)