Sweeper Evacuation System
Product Guide

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Automatically collects material from a container without the need for monitoring
Functions and Benefits

The Sweeper system is designed to automatically remove material from a container without the need for human intervention – saving time and overheads.

**AUTOMATIC MATERIAL REMOVAL**

The sweeper’s rotating action moves resin to a slotted pickup tube to be vacuumed out of the container.

**REDUCES LABOUR**

No one has to manually move the pickup tube because resin is constantly moved to the vacuum point.

**ENERGY SAVINGS / EXTENDED MOTOR LIFE**

A vacuum switch allows the unit to operate only while your vacuum system is pulling material. Thus, this system is always ready, never has to be manually started or stopped. There is a Jog button to rotate the unit manually.

**EASY PLACEMENT OF RESIN CONTAINERS**

A pallet jack can move the container into position – no forklift required.

**LOWER INSTALLATION AND OPERATION COSTS**

The Sweeper requires no compressed air and operates on 115 V electricity, drawing less than 2 amps.

**SIGNAL LIGHTS**

Lights indicate when the unit is “ON” and when it is rotating.

**REDUCES WASTE**

Effective material removal keeps resin from being thrown away.

**SMALL FOOTPRINT**

Footprint is slightly more than the materials container being unloaded.

**SAFER THAN A TILT TABLE**

The sweeper has no heavy-duty hydraulics with pinch points and low torque and rotation speed provide inherent safety – no guards required.
The Sweeper gets its name from the fact that it continuously “sweeps” the top level of the contents of the materials container to the outer edges.

The material is vacuumed up by a slotted pickup tube that is attached to the end of a flexible suction hose.

The whole lower section descends and rotates in a way that forces the pickup tube to vacuum up the material without interruption, including the material that is swept into the corners of the container. Ultimately, less than 10 lb of pellets remain.
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CONTINUOUS MONITORING REQUIRED
Maguire Products offers one of the most comprehensive warranties in the plastics industry.

5 YEAR WARRANTY

The Sweeper 

1. Sweeper rotates within bin 
2. Cross member arm plate keeps pellets even and flat 
3. Hinged cross member arm sweep pellets evenly to outer edge 
4. Pellets are vacuumed up and carried to line 

How it works 

1. Sweeper automatically descends as pellets are vacuumed away until bin is empty 
2. Pellets are vacuumed up and carried to line 

Sturdy steel stand 

Materials bin or Gaylord 

- A sturdy structural steel stand that straddles the materials container allowing easy front access. 
- A set of vertical “rails” carry a “trolley” up and down above the materials container. 
- The trolley carries a fixed, standard 1.5” (38mm) 2” (50mm) 2.5” (63.5mm) aluminum material conveying tube, and is coupled to a second tube below, that rotates. 
- The lower rotating tube is driven by a gear motor, at about 1 RPM. 
- A 3 ft (1m), flexible vacuum hose has a short slotted pick up tube at the end to effectively vacuum up the pellets. 
- Pellets in the center are “swept” to the outside by a cross member, that serves as the “sweeper”. 
- As the vertical tube rotates, the flexible portion is dragged across the top of the pellets, in a swept back trailing manner, reaching into each corner and repeatedly vacuuming pellets from the sides and corners. 
- A counter balanced spring-loaded cable prevents the weight of the trolley from becoming buried in the resin. 

WATCH OUR SWEeper VIDEo CLICK HERE 

PRODUCT GUIDE 
Sweeper Evacuation System
Technical Specification

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Vertical Clearance</th>
<th>Tube Diameter</th>
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<td>48&quot;</td>
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</tr>
<tr>
<td>SW-8425</td>
<td>84&quot;</td>
<td>2.1 m</td>
</tr>
</tbody>
</table>

Options

Stainless Steel Brush Assembly
PART #: OPSW-001

Accessories

Cover for materials container
PART#: GLC-4848

Interconnected Controls for Dual Sweepers
PART#: OPSW-002

DUAL SWEEPER

COMBINE WITH GVLS SERIES LOADERS FOR A COMPLETE MATERIALS CONTAINER UNLOADING PACKAGE

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Sweeping System Overview

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Maguire Products offers one of the most comprehensive warranties in the plastics industry. We stand behind our commitment to provide the highest quality products and services to our customers. Our 5-year warranty covers all parts and labor, ensuring peace of mind for our customers.

PRODUCT GUIDE
Sweeper Evacuation System

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