

Floor Level Tilt Table

Automatically tilts up to 2,500 lbs. with little or no assistance from the operator.



Floor-Level Loading Position



45-Degree Tilt Position

Comet's floor level Tilt Tables reduce manual labor and operating costs associated with vacuuming material from gaylords, drums, and other containers into injection molding or extrusion machines. The automatic tilting action directs the material towards the vacuum wand resulting in an uninterrupted flow of material, thus eliminating the need for operators to continually reposition the wand in the container. Full bulk containers, weighing up to 2,500 pounds are set into the container tilt carriage at the floor-level loading position. As the vacuum take-away removes material from the container, the container weight will reach a pre-set activation weight. At the activation weight the container tilt action initiates and directs the material flow to the vacuum intake point. The container tilt action will gradually continue up to a maximum 45° angle of the tilt carriage.

When application specifications require unique functions Comet will use our application expertise to design and manufacture the best equipment for your application. Application-specific features may include vibratory kits for non-free flowing materials, container covers for dust control, and protection from contaminants, safety systems and light stacks, mobility features, or custom container tilt carriage configurations for varied container types.

Advantages:

Effective, Automated Material Discharge; Minimal Operator Interaction: As the vacuum system removes material from the container, Comet's tilt table initiates an automatic tilting action; gradually angling the container to a 45-degree tilt position and directing remaining material in the container to the vacuum system wand.

Proven Design and Construction: Built for the demanding duty cycles and harsh environments of plastics processing and production operations; Comet's tilt tables are formed of heavy 7-gauge carbon steel or stainless steel, and can easily handle filled containers weighing up to 2,500 lbs.

Pneumatic System Controls: The complete pneumatic control system, including a three-position air valve and all necessary filter regulators, is plumbed and ready for field hookup. Only a single air supply connection is required on-site for setup and startup.

Application-Specific Features Improve Total Processing Efficiency: Comet's tilt tables are designed to the unique requirements of each application; whether vibratory kits for non-free flowing material, container covers for dust control and contaminant protection, or custom cradle configurations for varied container types.

Standard Features

- When the weight in the container reaches approximately 900 lbs., the cradle of the tilter begins to automatically tilt the container (performance dependent on material density, flowability, and distribution within the container during vacuuming; dense, less free-flowing material may tilt at a lower total container weight).
- Patented safety stop keeps your operators free from harm by eliminating the potential for the cradle to unexpectedly lower due to pneumatic system failure.
- A single air supply connection provides easy field installation.
- Flow control adjusts operating speed.
- Adjustable height vacuum wand holder.
- 1" pillow block pivot bearings.
- 45-degree tilt angle.

Specifications

- **Capacity:** Maximum up to 2,500 lbs. in load position.
- 43 PSI precision regulator allows lifting to begin at approx. 900 lbs. to avoid material spillage.
- **Framework:** 7-gauge carbon steel.
- **Size:** Approx. 71" wide x 52" deep in the load position and 72" wide x 80" deep when in the maximum tilt position.
- **Adjustable Vacuum Wand Holder:** 3½" ID featuring 12" of adjustment to accommodate various container heights.
- **Load Design:** Loaded at floor level into the 46.5"w x 46.5"d bucket of the tilter. The pivot bucket is designed to accommodate containers up to 48" sq. x approx. 60" tall (can be modified to handle other container sizes).
- **Finish:** Painted Metallic Gray.

Options

- **Safety Ratchet:** Designed to prevent the pivot bucket from dropping in the event of a pneumatic system failure (for safety, Comet recommends this option).
- **Gaylord Container Cover:** Prevents contaminants from falling into the material.
- **Vibratory Kit:** Generates non-free-flowing material to flow toward the vacuum wand.
- **Full Tilt Indicator Light:** Warns when the table reaches its full tilt position.
- Stainless Steel Construction, Dual Pivot Cradle, Custom Container Tilt Carriage Configurations (for varied container types).

