Wood's Powr-Grip®

CO., INC.

Vacuum Lifters

On The Leading Edge Of Glass Handling Since 1964

www.powrgrip.com
These modular vacuum lifters are expandable to meet a variety of glass handling needs. Interchangeable Lift Frames provide manual 180° rotation and 90° tilt. Pad Channels can be switched from one Lift Frame to another in minutes, for maximum versatility at the installation site. On-board DC power permits cord-free use of the vacuum lifter with cranes, forklifts or floor hoists. AC powered vacuum lifters are also available. When combined with the CB1 Counter-Balancer, double-channel vacuum lifters can be used to install windows under overhangs or to perform reverse-angle installations, such as those in airport control towers.

In addition to 360° manual rotation, these vacuum lifters feature an innovative four-bar tilt mechanism that radically reduces the effort needed for tilting glass 90° between the upright and flat positions. Removable vacuum pads and extension arms allow numerous configurations of the vacuum pads, to accommodate a wide variety of glass sizes and shapes. The Quadra-Tilt Rotator 1100 also comes standard with Powr-Grip’s Dual Vacuum System, designed to reduce the risk of falling glass. Operating these vacuum lifters from cranes, forklifts or overhead hoist systems is easy with cord-free DC power.
**VERTICAL LIFT HAND CUP FRAMES**

These vacuum lifters offer the ultimate in economy for handling large glass. Hand-held vacuum cups can be removed in seconds, when needed for other uses. Hand Cup Frames are well-suited for loading and unloading glass trucks, as well as for low-level installations where rotation and tilt are not required. The frame that holds the vacuum cups is available with either a long or a short center arm.

**POWR-FRAMES**

Featuring manual 180° rotation and 90° tilt, Powr Frames offer economy and versatility at the job site or in the factory. A wide variety of models lets you select the vacuum lifter that best meets your glass handling requirements. Different configurations of vacuum pads are available for long and tall glass products, as well as for three different groups of glass weights. These vacuum lifters are available with either cord-free DC power systems or economical AC pumps.

**VERTICAL LIFTERS**

These Powr-Grip vacuum lifters are designed for upright glass handling. Gentle Giants provide needed support and rigidity across the glass surface when handling jumbo lites. The smaller Production Line Vertical Lifters attach and release in seconds, reducing transfer time to and from high-speed processing machinery. Other Vertical Lifters from Wood’s Powr-Grip employ manual or DC-powered vacuum pumps, allowing cord-free operation of these vacuum lifters in a variety of production settings.

**MANUAL ROTATOR 2800**

This 16-pad, large capacity vacuum lifter offers full 360° rotation for a wide variety of glass weights. Removable vacuum pads and pad frame sections let the vacuum lifter conform to nearly any size or shape of lite. A self-contained, 12-volt/DC power system provides cord-free operation. This vacuum lifter also comes standard with an adaptable length lift bar, allowing glass installations under overhangs or in other low-clearance settings.
**VERTICAL LIFTER 700**

This vacuum lifter provides an economical approach to window installation wherever tilt and rotation are not required. It combines compact size and relatively high lifting capacity, in order to handle a wide variety of glass sizes. A 12-volt/DC power system allows cord-free operation wherever AC or compressed air power is not readily available. The on-board power system also allows this vacuum lifter to be used in multiple shop locations.

**ROTATORS**

Power-Grip® Rotators allow the glass to rotate edgewise along the vertical axis of the vacuum lifter, for loading and turning lites on vertical edgers, bevelers or similar production machinery. In most cases, these vacuum lifters provide 360° of continuous rotation, to ensure quick and accurate glass positioning. Available with either manual or powered rotation, Power-Grip Rotators are built for heavy-duty production line service.

**C-FRAME LIFTERS**

The unique shape of Power-Grip® C-Frame Lifters enables the operator to remove glass easily from shipping crates. These vacuum lifters employ a C-shaped lift bar to reach directly into open glass crates. Available in rotation, tilt and vertical lift models, C-Frames are rugged vacuum lifters designed for long service on production lines.

**TILTERS**

Power-Grip® Manual and Power Tilters make a one-person job of transferring glass between upright and flat positions. These vacuum lifters are indispensable for moving lites from crates or cutting tables to A-frame racks, truck racks or vertical production machinery. Power-Grip Tilters reduce the risk of glass damage by distributing the load weight equally across the pad frame, providing support while the glass is in motion.

Specially designed for handling windows and doors, Quadra-Tilt Vacuum Lifters feature variable pad spread that permits vacuum pads to attach in any number of locations on the glass. In addition to handling a variety of glass sizes and shapes, the vacuum pads can be positioned to avoid window mullions or similar obstructions on the load surface. Glass stays in the upright position automatically or tilts to the flat position with minimal operator effort, due to the innovative four-bar tilt mechanism.
HAND-HELD VACUUM CUPS

Designed specifically for glass handling, Wood’s Powr-Grip® vacuum cups are the standard of the glass industry and used by glaziers around the world. These pump-style hand cups put a handle where you need it on flat glass, curved or bent glass, auto glass and even some pattern glass. Unlike regular suction cups, Powr-Grip vacuum cups use a pump to create a much more reliable hold. A few pump strokes attach a vacuum cup gently and securely to the glass. Because the full face of the vacuum pad contacts the glass, stress is reduced, allowing a Powr-Grip vacuum cup to be used on glass of almost any thickness with little risk of damage. Release is easy and complete, with no dangerous after-stick. Powr-Grip’s broad range of vacuum cup models includes diameters from 1-1/4 to 10 inches [32-254 mm] and handles for every kind of glass handling, including fenestration, windshield replacement, processing and more.

ACE DOLLY

Capable of handling glass sizes to 130” x 144” [3302 mm x 3658 mm], the Ace Dolly lifts and carries glass without external power, cranes or high ceiling requirements. The Dolly’s versatile design permits glass transfers from either the face or the end of storage racks and cases. A unique mast design features manually operated vacuum cups that grip glass and hold it securely for transport. Smooth gliding rubber rollers support glass weight and ease movement when loading from the end. The manually operated auto-brake winch makes lifting large lites a quick and efficient one-person job.

STOWAWAY TILT TABLE

The Stowaway is a full-size glass cutting table that folds to a compact profile, when not in use. Base legs fold up and lock in place, allowing it to pass through a standard doorway, remain in storage against walls, or fit in the back of a pickup truck for transport to a job site. Rubber rollers allow end loading from vertical glass racks when the table is upright. A special table surface reduces vacuum stick.

DOORJACK

DoorJack provides the “extra hand” that makes removing, moving, installing or repairing doors a one-person operation. It clamps to the strike side of most standard commercial and residential doors. Adjustable height casters make aligning the door and frame easy. For transport, just tilt the door back on the dolly wheels and move out.

POSITIONERS

Like a vacuum vise for glass, Powr-Grip’s® Positioners provide 360° edgewise rotation and four tilt angles between the upright and flat positions. Smooth, continuous rotation with adjustable tension permits quick, effortless glass positioning when attaching hardware or assembling small I.G. units. Glass is released with no after-stick by a foot-operated vacuum control valve, keeping the operator’s hands free to handle the glass and other materials.
Wood’s Powr-Grip® pioneered the use of hand-held vacuum cups and below-the-hook vacuum lifters in glass handling. We revolutionized the American glass industry when we developed pump-action vacuum cups in the 1960’s, allowing glazers to hold lites securely without lifting them by the edges. These cups featured Powr-Grip’s patented red-line indicator, which warns the user of any vacuum loss, and a check valve, which allows the user to restore vacuum without losing a grip on the glass.

Today, Wood’s Powr-Grip continues to make glass handling more efficient, ergonomic, and secure through innovative engineering. Every Powr-Grip® vacuum lifter is equipped with many features to enhance worker safety, such as vacuum gauges with colored zones to indicate whether vacuum is sufficient for lifting, indicator lights and warning buzzers likewise signal when a vacuum lifter is or is not ready to move the glass. And with the addition of our Dual Vacuum System, Powr-Grip has reduced the risk of falling glass, which could otherwise result from breakage or other workplace accidents. From factory floor to final installation, glass handling is easier and less dangerous with hand-held vacuum cups, below-the-hook vacuum lifters, and other products by Wood’s Powr-Grip.

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