

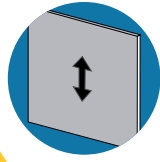


# VACUUM EQUIPMENT FOR GLASS FABRICATION



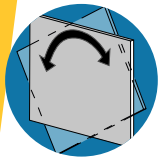
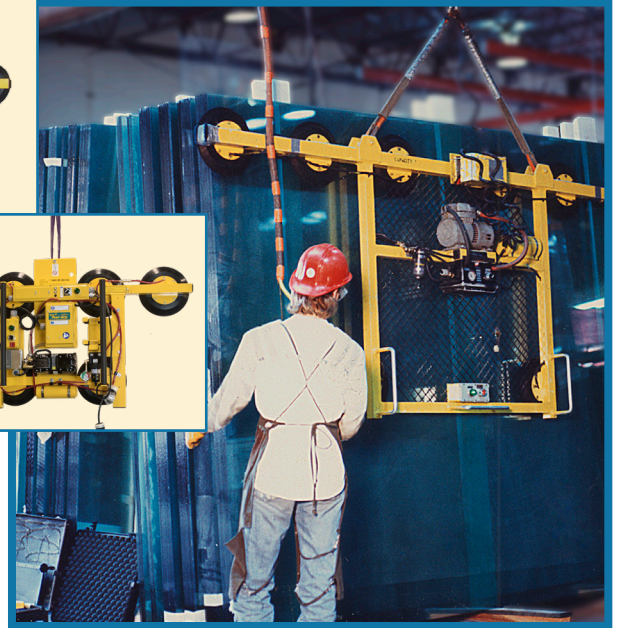
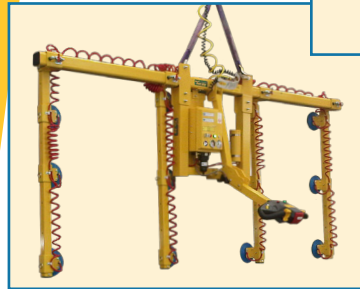
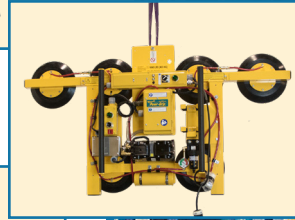
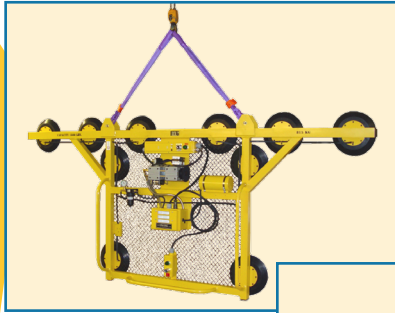
## TYPICAL APPLICATIONS

- ✓ Load and Unload Glass for:
  - Trucks
  - Storage Racks
  - Tilt Tables
  - Edgers
  - Bevelers
  - CNC Machines
  - Water Jet Cutters
  - Tempering Ovens
  - Laminating Lines
  - IG Lines
  - Printing
  - Breakout
  
- ✓ Move and Manipulate Glass on Production Lines
  
- ✓ Turn Glass on Edgers and Bevelers
  
- ✓ Transfer Glass from Storage Racks to Horizontal Work Stations
  
- ✓ Manipulate Glass to Manufacture:
  - Windows
  - Doors
  - IG Units



## VERTICAL LIFTERS

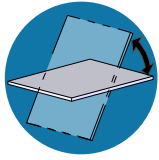
- Reduce labor needs and increase safety over manual transfers.
- Gentle Giants (VLGG) optimize support of oversized glass.
- Production Line lifters (VLPL) provide speed and mobility.
- Standard Capacities from 500 lbs to 2100 lbs (225 - 955 kg).\*



## ROTATORS

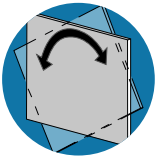
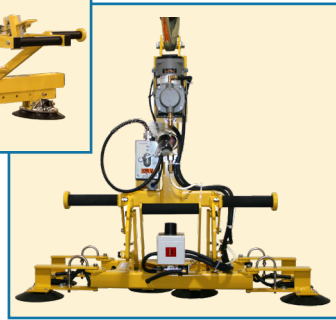
- Easily rotate glass edgewise on edgers and bevelers.
- Power Rotators (PR) provide effortless glass manipulation.
- High-flow vacuum pumps increase productivity.
- Standard Capacities from 500 lbs to 1000 lbs (225 - 455 kg).\*





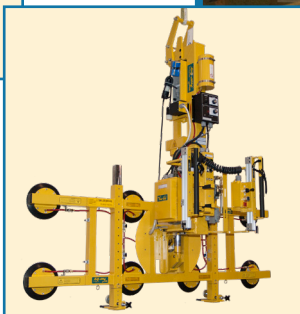
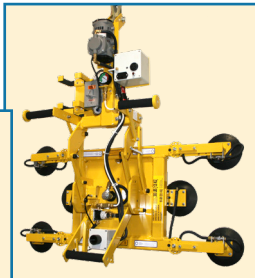
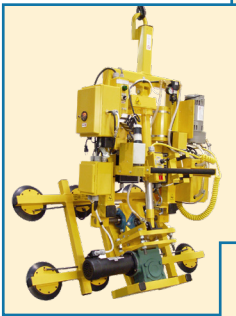
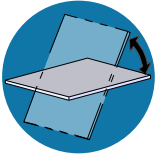
## TILTERS

- Support glass to prevent breakage while in motion.
- Fast attach and release times increase productivity.
- Quadra-Tilts (MTA) minimize operator effort.
- Standard capacities from 200 lbs to 1500 lbs (90 - 680 kg).\*



## ROTATOR-TILTERS

- Easily tilt glass and rotate it edgewise.
- Fast cycle times increase productivity.
- Available powered motion provides effortless glass manipulation.
- Standard Capacities from 200 lbs to 2000 lbs (90 - 905 kg)\*



## POWER SYSTEMS

WPG production lifters come with AC voltages or compressed air power, to integrate easily into the existing power supply at your production facility.

Alternatively, cord-free DC lifters enable you to use lifters in multiple locations, without the need to run power cords or air hoses to the lifter at all.

## AVAILABLE OPTIONS

- Integrate with Demag® Hoist
- Integrate with Gorbel® G-force™
- DC Vacuum Back-Up
- Vacuum Loss Warning Buzzer
- Alternative Vacuum Pads

\* Larger Capacity Lifters Available.



# THE ORIGINAL AND TRUSTED NAME IN GLASS HANDLING TOOLS AND EQUIPMENT

Since 1964, Wood's Powr-Grip® has designed and manufactured vacuum lifters for ease of use, reliability, and safety.

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Laurel, Montana 59044 U.S.A.  
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[www.WPG.com](http://www.WPG.com)



# GUIDE TO POPULAR PRODUCTION MODELS

Type	Glass Movement	Model	Description	Maximum Load Capacity	Maximum Pad Spread	Special Features
<b>VERTICAL LIFTERS</b> 	Lifting and Transport	VLPL611LAC	Production Line 1000	1000 lbs (455 kg)	33" x 63" (83 x 160 cm)	High-Flow Vacuum Pump Adjustable Size Lift Frame
		VLGG1011LAC	Gentle Giant 1800	1800 lbs (815 kg)	53¾" x 120" (136 x 305 cm)	Oversized Lift Frame
		VLGG1211LAC	Gentle Giant 2100	2100 lbs (955 kg)	53¾" x 120" (136 x 305 cm)	Oversized Lift Frame Highest Capacity in Series
<b>ROTATORS</b> 	360° Rotation	MR411LAC MR411LAIR	Manual Rotators 700	700 lbs (320 kg)	26" x 32" (66 x 81 cm)	High-Flow Vacuum Pump
	Powered 360° Rotation	PR49AC	Power Rotator 500	500 lbs (225 kg)	29¾" x 29¾" (74 x 74 cm)	High-Flow Vacuum Pump Effortless Powered Rotation
		PR89AC	Power Rotator 1000	1000 lbs (455 kg)	29¾" x 59¾" (74 x 150 cm)	Adjustable Size Lift Frame* Effortless Powered Rotation
<b>TILTERS</b> 	Assisted 90° Tilt	MTA6LP6FAC MTA6LP6FAIR	Quadra-Tilt Lifters 300	300 lbs (135 kg)	Adjustable: 12½" x 39" (32 x 99 cm) to 30" x 13" (76 x 33 cm)	Mechanically Assisted Tilt Linkage Adjustable Size Lift Frame
		MTA8LP6FAC MTA8LP6FAIR	Quadra-Tilt Lifters 360	360 lbs [165 kg]	100¾" x 8¼" [256 x 46 cm]	
		MTA811LAC	Quadra-Tilt Lifter 1200	1200 lbs [545 kg]	23¾" x 49" [60 x 124 cm]	Mechanically Assisted Tilt Linkage
	Powered 90° Tilt	PT49AC	Power Tilter 500	500 lbs (225 kg)	20½" x 37½" (52 x 96 cm)	Effortless Powered Tilt
		PT129AC	Power Tilter 1200	1200 lbs (545 kg)	77½" x 153½" (197 x 390 cm)	
<b>ROTATOR-TILTERS</b> 	360° Rotation & Assisted 90° Tilt	MRTA6LP6FAC MRTA6LP6FAIR	Quadra-Tilt Rotators 300	300 lbs (135 kg)	Adjustable: 21¼" x 41¼" (54 x 105 cm) to 35¼" x 27¼" (89 x 69 cm)	Mechanically Assisted Tilt Linkage Adjustable Size Lift Frame
		MRTA811LAC	Quadra-Tilt Rotator 1400	1400 lbs (635 kg)	69¼" x 107½" (176 x 273 cm)	
	360° Rotation & Powered 90° Tilt	MRPT89AC	Manual Rotator/ Power Tilter 1000	1000 lbs (455 kg)	29¾" x 59¾" (74 x 150 cm)	Effortless Powered Tilt Adjustable Size Lift Frame*
		MRPT1211LAC	Manual Rotator/ Power Tilter 2000	2000 lbs (905 kg)	40" x 93" (102 x 236 cm)	
Powered 360° Rotation & Powered 90° Tilt	PRT89AC	Power Rotator/ Tilter 1000	1000 lbs (455 kg)	29¾" x 59¾" (74 x 150 cm)	Effortless Powered Tilt & Powered Rotation Adjustable Size Lift Frame*	



# VACUUM LIFTER SELECTION WORKSHEET

HAVE YOU DISCUSSED THIS REQUEST WITH A WPG SALES REPRESENTATIVE?  YES  NO

## CONTACT INFORMATION

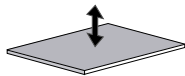
Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_ ext: \_\_\_\_\_  
 Your Name: \_\_\_\_\_ E-mail: \_\_\_\_\_

## MATERIAL

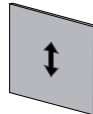
Typical Size: length: \_\_\_\_\_ width: \_\_\_\_\_ thickness: \_\_\_\_\_ weight: \_\_\_\_\_ lbs. \_\_\_\_\_ kg.  
 Minimum Size: length: \_\_\_\_\_ width: \_\_\_\_\_ thickness: \_\_\_\_\_ weight: \_\_\_\_\_ lbs. \_\_\_\_\_ kg.  
 Maximum Size: length: \_\_\_\_\_ width: \_\_\_\_\_ thickness: \_\_\_\_\_ weight: \_\_\_\_\_ lbs. \_\_\_\_\_ kg.

## LOAD MANIPULATION

Flat Only

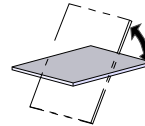


Upright Only



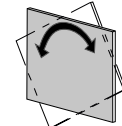
Tilt

Manual Tilt  
 Power Tilt



Rotate

Manual Rotate  
 Power Rotate



## OPERATING POWER

Self Contained:  12 VDC: charger input: volts: \_\_\_\_\_, hertz: \_\_\_\_\_,  
 Outside Power:  AC: volts: \_\_\_\_\_, hertz: \_\_\_\_\_, phase: \_\_,  
 Air: Available Airflow: \_\_\_\_\_ cfm \_\_\_\_\_ l./min.  
 Available Pressure: \_\_\_\_\_ psi \_\_\_\_\_ kPa

## CURVED OR BENT MATERIAL SPECIFICATIONS

(Measurements taken from the  Concave or  Convex surface. Please note which side the measurements are taken from.)

### CURVATURE

Radius: \_\_\_\_\_ in/mm

### WIDTH

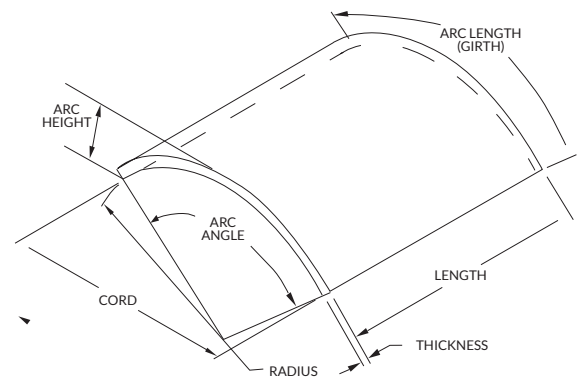
Cord: \_\_\_\_\_ in/mm - or -  
 Arc Length (girth): \_\_\_\_\_ in/mm - or -  
 Arc Height: \_\_\_\_\_ in/mm  
 Arc Angle: \_\_\_\_\_ deg

### LENGTH

Length: \_\_\_\_\_ in/mm

### THICKNESS (thickness of individual panes and of air gap, if applicable)

Material Thickness: \_\_\_\_\_ in/mm  
 Air Gap Thickness: \_\_\_\_\_ in/mm  
 Total Thickness: \_\_\_\_\_ in/mm



## ADDITIONAL CONSIDERATIONS

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