



**ERGO LIFTING**  
— TECHNOLOGIES —

## HTV-2200



# STANDARD FEATURES AND EQUIPMENT

### CHASSIS

- Horizontal to vertical manipulation
- 2-Bank, 20-Amp on-board battery charger, Maintainer and Battery Desulfator
- Impact resistance circuit breakers
- Smart LifePro4 batteries with bluetooth connection

### VACUUM

- Dual brushless vacuum system
- Pump operation feedback
- Automatic vacuum level control
- Tree assembly accepts variety of cup sizes
- Bi-directional spring loaded mounts
- 4 standard 12" x 20" rectangular suction cups capable of 550 lbs per cup with a safety factor of 2

### SAFETY

- Strobe light
- Low vacuum level alarm
- Vacuum check valves
- Mechanically interlocked vacuum safety
- LED & Analog feedback for vacuum system status
- Dual vacuum release buttons

### HYDRAULICS

- 24 VDC intermittent hydraulic motor capable of 3,000 PSI
- Proportion control for smooth operation

### CONTROL

- Bluetooth and remote diagnostic capabilities
- 10-direction manipulator motions
- Adjustable pick-point and counterbalance to bring load plumb
- Controls on unit include:
  - Battery isolation switch
  - Battery master switch
  - Vacuum gauge
  - Battery voltage monitor

### WIRELESS REMOTE

- Wireless remote includes:
  - Proportional paddle controls for all manipulator functions
  - Vacuum ON/OFF and release toggles
  - Emergency stop
  - Analog vacuum readout, machine status and analog read out of each individual control on graphic display
  - Analog scale readout, shows weight of manipulator and load



# SPECIFICATIONS

## DIMENSIONS

HTV-2200 CHARACTERISTICS	SPECIFICATIONS
Lift Capacity at Minimum Offset	2,200 lbs.
Closed Chassis Length	42"
Width (Chassis/Fixed Tree)	24"/46"
Operating Depth, Including Cups (Min/Max)	35"/56"
Machine Height, Including Cups, Horizontal Cups (Max)	83"
Unladen (Tare) Weight	1,000 lbs.
Under-Hook to Glass Distance (Min/Max)	0"/30"

## POWERED MANIPULATION FUNCTIONS

CONTROL	ASSEMBLY	DIRECTION
1	Under-Hook Connection	FWD/BCK
2	Under-Hook Connection	Up/Down
3	Counterbalance	In/Out
4	Horizontal to Vertical Tilt	Tilt Up/Down
5	Manipulator - Vacuum Cup Frame	Rotate - CW and CCW 180 Degrees