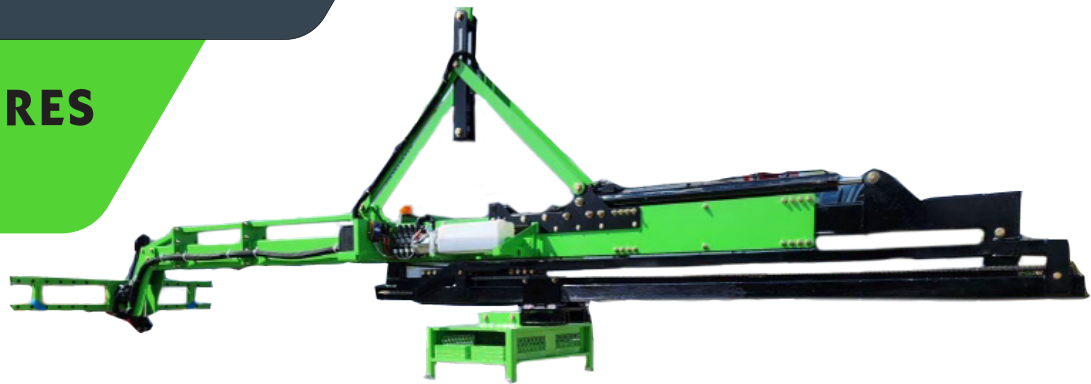




**ERGO LIFTING**  
— TECHNOLOGIES —

# CML-14

## STANDARD FEATURES AND EQUIPMENT



### CHASSIS

- Adjustable boom assembly
- removable modular counterweight system
- Comes with 16 removable counterweight plates with handles
- Onboard battery charger with over charge protection
- Electrical circuit breakers

### VACUUM

- Redundant vacuum pumps
- Automatic start/stop vacuum control
- On demand vacuum recharge button
- Adjustable Vacuum cup frame
- Vacuum cups with bi-directional coil springs
- Includes 20" x 12" rectangle suction cups, 550lbs lift per cup in shear with 100% safety factor

### HYDRAULICS

- All hydraulic functions are proportionally controlled, with valves for each boom or manipulator function

### CONTROL

- 6 direction manipulator motions
- Adjustable cantilever from 7 to 14 feet

### CONSOLE

- Battery isolation switch
- Battery master switch
- Hour meter
- Vacuum gauge
- Hydraulic power On/Off switch
- Battery charge gauge
- Vacuum Indicator Lights

### WIRELESS REMOTE

- Multi-function controls for all manipulator end effector functions
- Vacuum and release switches
- Emergency stop
- Vacuum gauge
- Scale

### SAFETY

- Strobe light operates with master battery switch
- Low vacuum level alarm, audible horn
- Safety vacuum check valves
- Console-mounted 2 button safety vacuum release valve
- LED vacuum status feedback
- Auto level recognition sensor for release safety
- Counterbalance trolley guide BL-634 leaf chain



# SPECIFICATIONS

## CML-14

### DIMENESIONS

SKYHOOK WPI CHARACTERISTICS	SPECIFICATIONS
Lift Capacity at Minimum Offset	6,000 lbs.
Lift Capacity at 11" Offset	2,400 lbs.
Chassis Length, Without Extentions	194"
Minimum Lift	36" Frame/6' Tree
Tare Weight, 14 Plates, No Extentions	4,300 lbs.

### POWERED MANIPULATION FUNCTIONS

CONTROL	ASSEMBLY	DIRECTION	VIEWED FROM
1	Counterbalance	In/Out	Side Elevation
2	Under Hook Connection	Up/Down	Side Elevation
3	Horizontal to Vertical Tilt	Tilt Up/Down	Side Elevation
4	Manipulator - Vacuum Cup Frame	Rotate - CW and CCW 180 Degrees	Front Elevation

- All hydraulic controls use a variable orifice proportional valve.
- The hydraulic circuits are equipped with check and counterbalance valves to prevent leak down and droop under load.
- Actuation is proportional and linear in response to control inputs.