



**ERGO  
ROBOTIC  
SOLUTIONS**

**GM2000-26**



## STANDARD FEATURES AND EQUIPMENT

### DRIVE

- Solid rubber tires
- Rear wheel drive steering in a tricycle configuration
- Electric drive standard; Hydraulic drive is optional
- Steering tiller includes directional and speed controls, automatic brake on & off, e-stop & a belly button switch

### CHASSIS

- Manual screw jack load compensators / outriggers
- Built in 25 Amp battery charger with linear rate control, 110 volt, 60 Hz. single phase
- Electrical circuit breakers

### VACUUM

- Redundant vacuum pumps, non-lubricated positive displacement, automatic start-stop control
- Vacuum frame accepts variety of cup sizes, fully adjustable
- Vacuum cartridges include bi-directional coil spring loaded mounts
- Includes 4 standard 20" x 12" rectangular suction cups, 550 lbs. lift per cup in shear direction at a 100% safety factor
- Off-panel vacuum gauge

### HYDRAULICS

- 2.8 HP, DC drive motor direct coupled to hydraulic pump
- All hydraulic functions are proportionally controlled, with valves for each boom or manipulator function

### CONTROL

- 18 direction manipulator motions
- Secondary forward reach to 11"
- Electronic proportional dual mode control all function for micro motion operation

### CONSOLE

- Control panel mounted on the side of the unit; swings out.
- Console includes:
  - Hydraulics master switch
  - Manual brake release
  - Operating mode selector: high vs. low
  - Hydraulic lever controls for all manipulator end effector functions
  - Vacuum On / Off switch
  - Vacuum release switches
  - Low speed adjustment

### SAFETY

- Speed and directional controls handlebar mounted separate from boom/manipulator controls
- Strobe light operates with master battery switch
- Low vacuum level alarm, audible horn
- Safety vacuum check valves
- Anti-tipping mechanism automatically prevents forward extension of load prior to unbalanced situation; forward tipping is prevented.



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**518-796-2179**

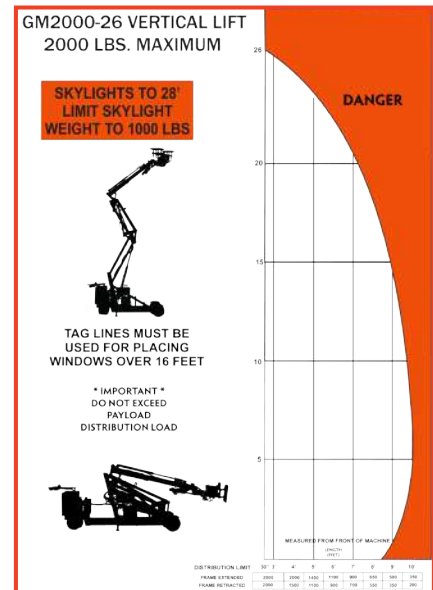
**GM 2000-26**



Revision Series A 9-26-2016

# GM2000-26 DIMENSIONS

GM2000-26 Characteristic	Specification
Lift Capacity	2000 lbs.
Closed Chassis Length	100"
Width	34"
Height: Retracted Clearance	78"
Height: Center of Lift Hub	312"
Turning Radius	0"
Unladen Weight	4000 lbs.



## POWERED MANIPULATION FUNCTIONS

Control	Assembly	Direction	Viewed from
1	Base Extend	Out / In	Side Elevation
2	Stage 1	Raise-Lower	Side Elevation
3	Stage 2	In / Out	Side Elevation
4	Extending Boom	Raise-Lower	Side Elevation
5	Extending Boom	In / Out	Side Elevation
6	Vertical Tilt	Top in / Top out	Side Elevation
7	Side Swivel	Swivel left and right	Top Elevation
8	Side Shift	Shift left and right	Front Elevation
9	EZ-Pick	11" reach, out & down / up & in	Front Elevation
10	Powered Rotation	Rotate - CW and CCW 180°	Side Elevation

1. All hydraulic controls use variable orifice proportional valves.
2. The hydraulic circuits are equipped with check and counterbalance valves to prevent leak down and droop under load.
3. Actuation is proportional and linear in response to control inputs.
4. Dual mode provides console mounted switch selection of high / low control response.



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