



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.



GM2000-26 Dimensions

Characteristic	Specification
Lift Capacity	2,000 lbs.
Closed Chassis Length	100"
Width	34"
Height: Retracted Clearance	78"
Height: Center of Lift Hub	312"
Turning Radius	0"
Unladen Weight (with 1 fixed counterbalance)	4,000 lbs.
Counter Balance (Each)	545 lbs.
(4) 8 Bars	45 lbs. each
(4) 12" x 20" Cup Assemblies	35 lbs. each



Powered Manipulation Functions



Control	Assembly	Direction	Viewed from
1	Vacuum Switch	On-Off-Release	Top Plan
2	Vacuum Release Switch	Hold-Release	Top Plan
3	Base Extend	In-Out	Top Plan
4	Stage 1	Raise-Lower	Top Plan
5	Stage 2	In / Out	Top Plan
6	Extending Boom	Raise-Lower	Top Plan
7	Extending Boom	In / Out	Top Plan
8	Vertical Tilt	Tilt Out / Tilt In	Top Plan
9	Side Swivel	Swivel left and right	Top Plan
10	Side Shift	Shift left and right	Top Plan
11	EZ-Pick	11" reach out & down / up & in	Top Plan
12	Powered Rotation	Rotate - CW and CCW 180°	Top Plan
13	Hydraulic Control	On-Off	Top Plan
14	Hydraulic Speed	Hi-Low	Top Plan
15	Low Hydraulic Speed Control	Variable	Top Plan

- All hydraulic controls use fine metering valves.
- The hydraulic circuits are equipped with counterbalance valves to prevent leak down and droop under load.
- Dual mode provides console mounted switch selection for micro motion control.



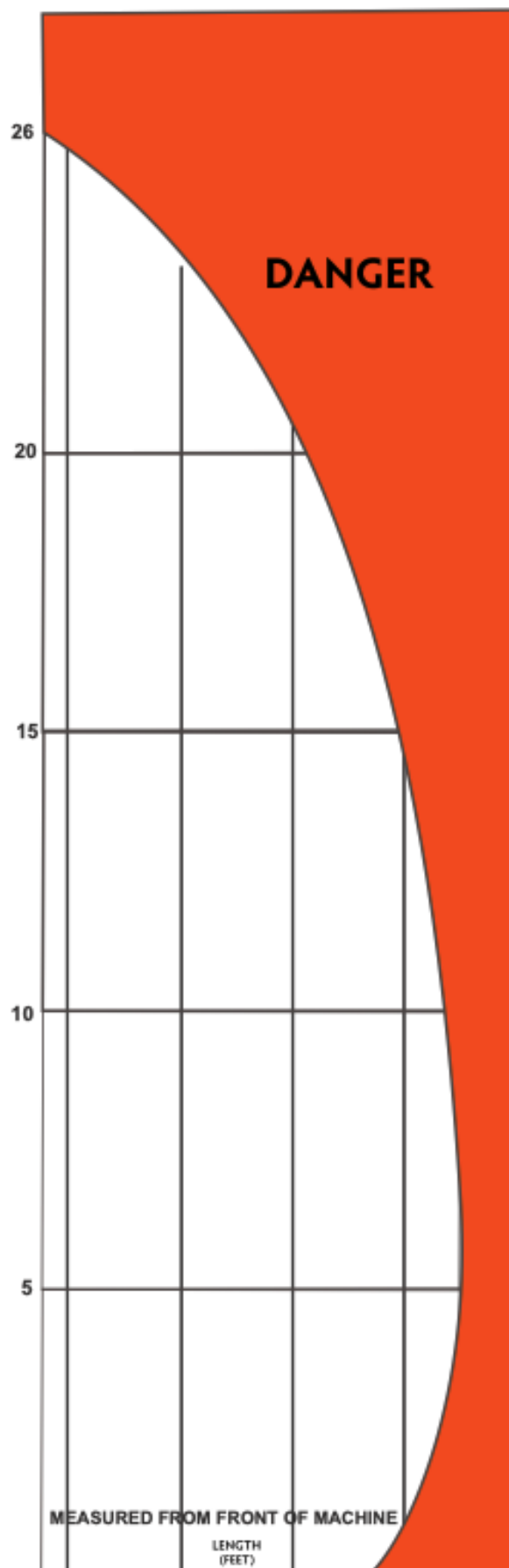
GM2000-26 VERTICAL LIFT 2000 LBS. MAXIMUM

**SKYLIGHTS TO 28'
LIMIT SKYLIGHT
WEIGHT TO 1000 LBS**



**TAG LINES MUST BE
USED FOR PLACING
WINDOWS OVER 16 FEET**

*** IMPORTANT *
DO NOT EXCEED
PAYLOAD
DISTRIBUTION LOAD**



MEASURED FROM FRONT OF MACHINE
LENGTH (FEET)

DISTRIBUTION LIMIT 30" 3' 4' 5' 6' 7' 8' 9' 10'

FRAME EXTENDED
FRAME RETRACTED

2000	2000	1400	1100	900	650	500	350
2000	1500	1100	900	700	550	350	200

