



**PRODUCT  
GUIDE &  
SPECS**

2021/2022

**BUILT**  
SYSTEMS

**Industrial Ergonomics**

**612-532-6774**

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**MACHINE BASES**

MB800 | MB1200 | MB3500



## MACHINE BASES

Every successful structure begins with a strong foundation – just as your machine should develop from a solid base.

Driven by custom-designed actuators, BUILT Systems' Machine Bases are height adjustable – lifting 800-6500 pounds to bring the workstation to the user's ideal working height.

Once a machine base has been selected, a variety of applications can be built upon its sturdy and modular base to meet the unique needs of your company, no matter your industry.





# MB800

ELECTRIC HEIGHT ADJUSTABLE  
MACHINE BASE



## LIFT CAPACITY

800 lbs

## STANDARD SIZES

Starting height: 30" | 34"  
Widths: 24" | 30" | 36"  
Depths: 30"

## ADJUSTMENT

12" or 16" vertical adjustment  
at .25" per second

Simple or programmable  
control switch

## STANDARD COLORS

-  RAL 9003 - Signal White
-  RAL 7037 - Dusty Grey
-  OB07 - Matte Black

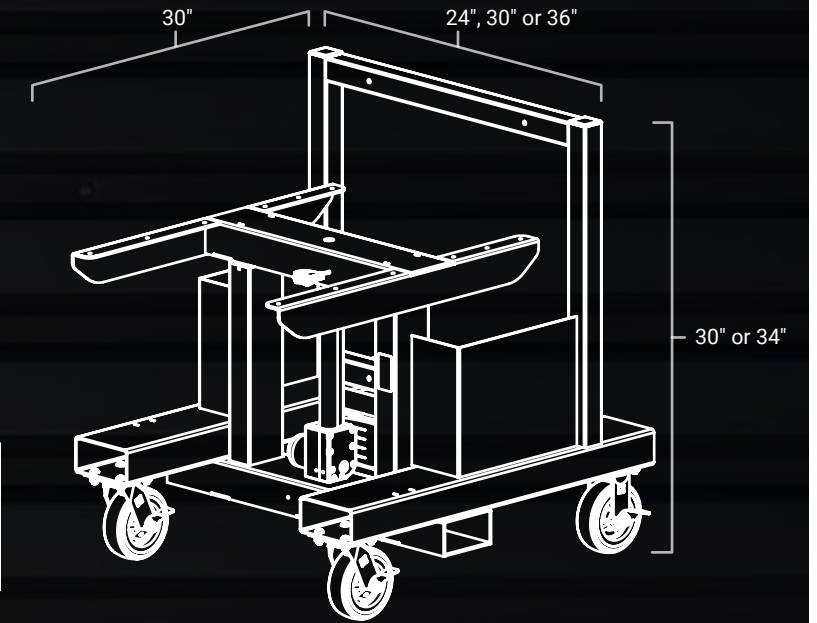
## STABILITY

Rigid cold-rolled steel construction  
Choose from anti-vibration mounts,  
6" swivel casters or a bolt-to-floor  
option.



## TECHNICAL

# MB800



### ANCHORED MOUNTS

4 in x 5.5 in Tear-Drop Shape  
9/16 in Anchor Hole  
5/8-11 Thread  
7.5° Range Of Motion  
Ball-and-Socket Swivel  
8 in Stud Length  
6000 lbs Capacity Each

### MIGHTY MOUNTS

Anti-Vibration, Leveling  
3 in Diameter  
3/8-16 Thread  
8Hz Natural Frequency  
700 lbs Capacity Each

### CASTERS

6 in Swivel With Brake  
*(Rigid Casters Optional)*  
Polyurethane -  
Shore A 80 Durometer  
1100 lbs Capacity Each

### ACTUATORS

Custom Designed 12 in or 16 in  
Linear Actuators (Bolt-On)  
IP66 Rated  
Speed - 6.3 mm/Second  
(1/4 in/Second) @ Zero Load  
3.5 mm/Second  
(9/64 in/Second) @ Max Load  
800 lbs Maximum Weight Capacity  
(Evenly Distributed)  
Mechanical Brake Spindle Nut For  
Redundant Protection

## ELECTRICAL

Synchronized Control Box  
Simple "Paddle" Style Up/down Switch  
Required - 1 NEMA 5-15 Receptacle\*  
Required - 120VAC, 15 Amp Circuit\*  
400 Watt Maximum Power Consumption (Under Max Load)  
Standby Power Consumption < 0.3 Watts  
Operating Temperature 0-35° C  
Control Box Rated IP20

*\*Other plug types and power options are available upon request.*

## MECHANICAL SPECS

Carbon Steel ASTM-A513 Construction Including:  
6 in x 3 in x 1/8 in Width and Depth Tubes  
2 in square 12 ga Support Tubes  
3/8 in, 8 ga, 14 ga Sheet Steel  
Vertical Telescoping Welded Frame with our  
Patented Glide System, Custom Fit During Assembly

*Specifications may vary based on system configuration and workload.*

# MB1200

ELECTRIC HEIGHT ADJUSTABLE  
MACHINE BASE



## LIFT CAPACITY

1200 lbs

## STANDARD SIZES

Starting height: 26.5" | 30.5"  
Widths: 36" | 48" | 60" | 72" | 84"  
Depths: 24" | 30" | 36"

## ADJUSTMENT

12" or 16" vertical adjustment  
at .25" per second

Simple or programmable  
control switch

## STANDARD COLORS

- RAL 9003 - Signal White
- RAL 7037 - Dusty Grey
- OB07 - Matte Black

## STABILITY

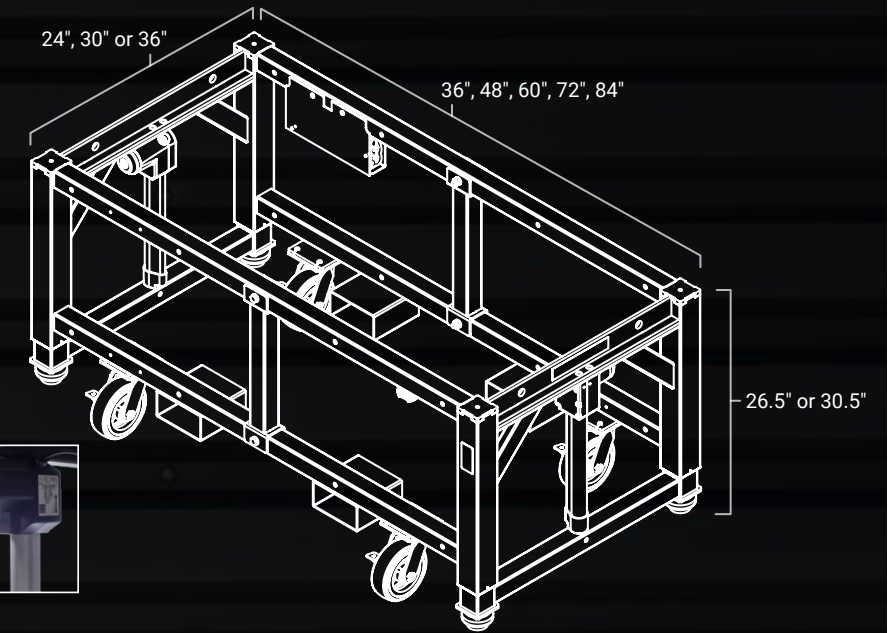
Rigid cold-rolled steel construction

Anti-vibration mounts with  
retractable 6" swivel casters  
or a bolt-to-floor option.



## TECHNICAL

# MB1200



### ANCHORED MOUNTS

4 in x 5.5 in Tear-Drop Shape  
9/16 in Anchor Hole  
5/8-11 Thread  
7.5° Range Of Motion  
Ball-and-Socket Swivel  
8 in Stud Length  
6000 lbs Capacity Each

### MIGHTY MOUNTS

Anti-Vibration, Leveling  
3 in Diameter  
3/8-16 Thread  
8Hz Natural Frequency  
700 lbs Capacity Each

### CASTERS

6 in Swivel With Brake  
*(Rigid Casters Optional)*  
Polyurethane -  
Shore A 80 Durometer  
1100 lbs Capacity Each

### ACTUATORS

Custom Designed 12 in or 16 in  
Linear Actuators (Bolt-On)  
IP66 Rated  
Speed - 6.3 mm/Second  
(1/4 in/Second) @ Zero Load  
3.5 mm/Second  
(9/64 in/Second) @ Max Load  
1200 lbs Maximum Weight Capacity  
(Evenly Distributed)  
Mechanical Brake Spindle Nut For  
Redundant Protection

## ELECTRICAL

Synchronized Control Box  
Simple "Paddle" Style Up/down Switch  
Required - 1 NEMA 5-15 Receptacle\*  
Required - 120VAC, 15 Amp Circuit\*  
400 Watt Maximum Power Consumption (Under Max Load)  
Standby Power Consumption < 0.3 Watts  
Operating Temperature 0-35° C  
Control Box Rated IP20

*\*Other plug types and power options  
are available upon request.*

## MECHANICAL SPECS

Carbon Steel (ASTM-A513) Construction including:  
2 in Square 12 ga Horizontal Width and Depth Tubes  
8 ga MIG Welded Modular Brackets - M8 Tapped Holes  
70 mm Square Vertical Telescoping Columns  
Patented Telescoping Glide System  
Custom Fit For Each Column During Assembly  
1/2 in Thick Column Top Mount Pads  
Column Centered M10 Tapped Holes  
3/8 in Thick MIG Welded M10 Tapped Caster Plates  
6 in x 3 in x 1/8 in MIG Welded Fork Tube Targets

*Specifications may vary based on system configuration and workload.*

# MB3500

ELECTRIC HEIGHT ADJUSTABLE  
MACHINE BASE



## LIFT CAPACITY

3500 lbs

## STANDARD SIZES

Starting height: 26.5" | 30.5"  
Widths: 36" | 48" | 60" | 72" | 84"  
Depths: 30" | 36"

## ADJUSTMENT

12" or 16" vertical adjustment  
at .25" per second

Simple or programmable  
control switch

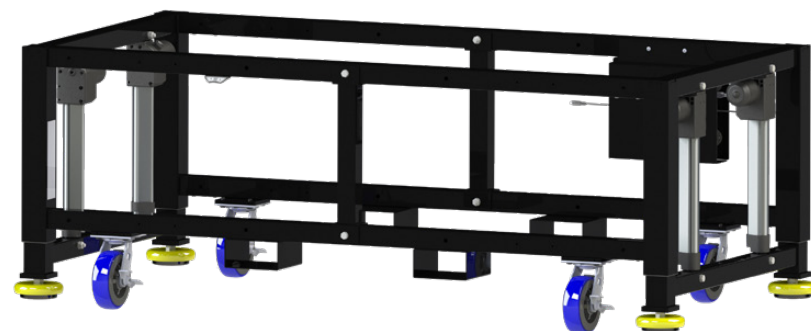
## STANDARD COLORS

- RAL 9003 - Signal White
- RAL 7037 - Dusty Grey
- OB07 - Matte Black

## STABILITY

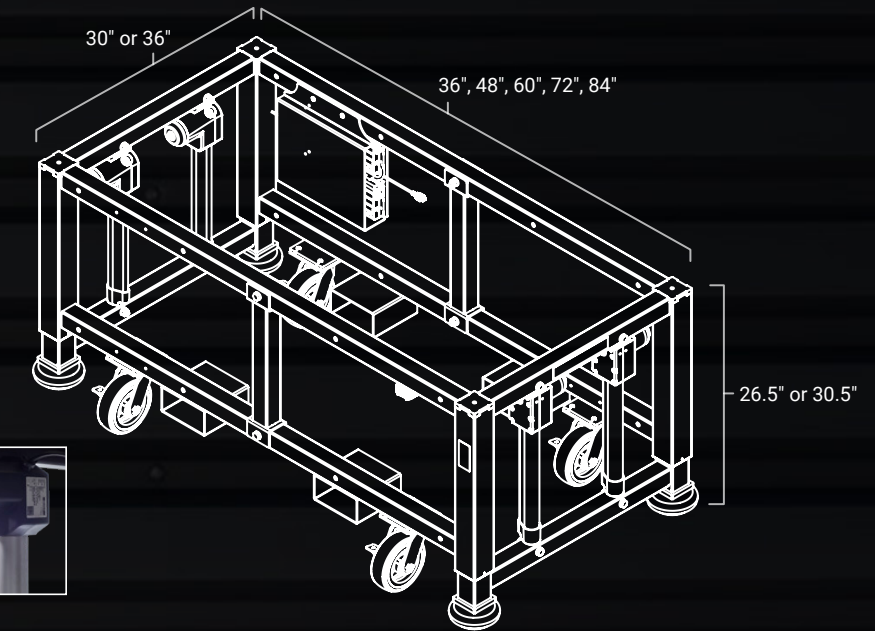
Rigid cold-rolled steel construction

Anti-vibration mounts with  
retractable 6" swivel casters  
or a bolt-to-floor option.



## TECHNICAL

# MB3500



### ANCHORED MOUNTS

4 in x 5.5 in Tear-Drop Shape  
9/16 in Anchor Hole  
5/8-11 Thread  
7.5° Range Of Motion  
Ball-and-Socket Swivel  
8 in Stud Length  
6000 lbs Capacity Each

### MIGHTY MOUNTS

Anti-Vibration, Leveling  
5 in Diameter  
5/8-11 Thread  
8Hz Natural Frequency  
2000 lbs Capacity Each

### CASTERS

6 in Swivel With Brake  
*(Rigid Casters Optional)*  
Polyurethane -  
Shore A 80 Durometer  
1100 lbs Capacity Each

### ACTUATORS

Custom Designed 12 in or 16 in  
Linear Actuators (Bolt-On)  
IP66 Rated  
Speed - 6.3 mm/Second  
(1/4 in/Second) @ Zero Load  
3.5 mm/Second  
(9/64 in/Second) @ Max Load  
3500 lbs Maximum Weight Capacity  
(Evenly Distributed)  
Mechanical Brake Spindle Nut For  
Redundant Protection

## ELECTRICAL

Dual Cascading Synchronized Control Boxes  
Simple "Paddle" Style Up/down Switch  
Required - 2 NEMA 5-15 Receptacles\*  
Required - 120VAC, 15 Amp Circuit\*  
1200 Watt Maximum Power Consumption (Under Max Load)  
Standby Power Consumption < 0.3 Watts  
Operating Temperature 0-35° C  
Control Box Rated IP20

*\*Other plug types and power options are  
available upon request.*

## MECHANICAL SPECS

Carbon Steel (ASTM-A513) Construction including:  
2 in Square 12 ga Horizontal Width and Depth Tubes  
8 ga MIG Welded Modular Brackets - M8 Tapped Holes  
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