



# UNITEC

EIBENSTOCK TOOLS ... *The Perfect Blend*

*Variable-speed · High-torque · Powerful · Robust*

## Electric and Pneumatic PORTABLE HAND-HELD MIXERS

**HEAVY-DUTY  
MIXERS,  
PADDLES AND  
MIXING STANDS**



**For mixing Mortar, Concrete,  
Plaster, Flooring Adhesives,  
Grout, Drywall Mud, Paint,  
Decorative Concrete Coatings  
& other Cementitious Materials**



**Portable  
Mixing  
Stations**

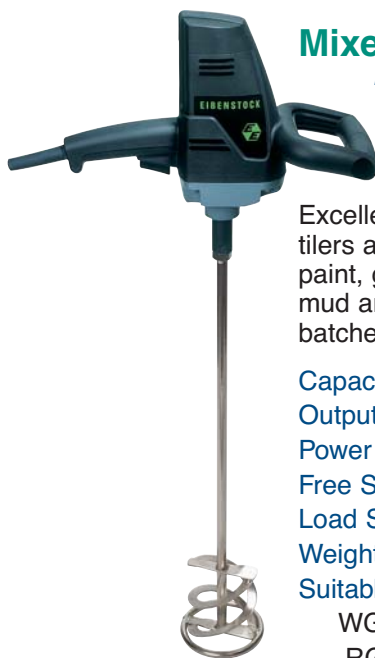


From low-viscosity materials to prefab mortar, CS Unitec has a portable mixer to do the job quickly. Every CS Unitec mixer has been designed for high reliability, with the power to provide optimum blending of construction materials on the job site.

## Features That Make CS Unitec Mixers the Best Tools for the Construction Industry:

- **Soft Start and Variable Speed** – less splashing and better control
- **High-torque Motors with Specially Designed Gears** – provide maximum power. Mix quantities from 1 gallon to 200 pounds, including aggregate and other materials.
- **Special Paddles** – mix from the bottom up, eliminating injection of air for an optimum blend
- **Versatility** – can be used hand-held or with our portable mixing stands
- **Ergonomically Designed Metal Frame and Handles** – robust construction and balanced grip ensure comfortable handling
- **Unique Handle Design** – protects motor against damage when the mixer is laid down

## For Small to Medium Mixing Jobs



### Mixer EHR 14.1 S

*The lightweight mixer with high torque*

Excellent for use by painters, tilers and contractors for mixing paint, glue, tile cement, drywall mud and other materials in small batches up to 50 lbs.

**Capacity:** 1 bag, 8 gal.  
**Output:** up to 300 lbs./hour  
**Power:** 8.8 Amp / 110 Volt AC  
**Free Speed:** 550 RPM  
**Load Speed:** 0-390 RPM  
**Weight:** 6.5 lbs.  
**Suitable Paddles:**  
 WG 120 (4.5" dia.)  
 RG 120 (4.5" dia.)



### Mixer EHR 15.1 SB

*The compact mixer for larger batches*

Easy-to-manage tool for continuous use in mixing larger amounts (up to 88 pounds) of liquid media such as paint, tile cement, plaster and mortar.

**Capacity:** 2 bags, 20 gal.  
**Output:** up to 700 lbs./hour  
**Power:** 9.5 Amp / 110 Volt AC  
**Free Speed:** 700 RPM  
**Load Speed:** 0-450 RPM  
**Weight:** 6.75 lbs.  
**Suitable Paddles:**  
 WG 120 (4.5" dia.)  
 MG 120 (4.5" dia.)  
 RG 120 (4.5" dia.)

## For Larger Mixing Jobs



### Mixer EHR 20 R

*The standard mixer with high reliability for construction*

Ideal for medium- to high-viscosity powder and liquid materials such as finish plaster, latex, mortar, epoxy, leveling compounds and other materials in batches up to 120 pounds.

Capacity: 3 bags, 25 gal.  
 Output: up to 900 lbs./hour  
 Power: 10.5 Amp / 110 Volt AC  
 Free Speed: 900 RPM  
 Load Speed: 250-580 RPM  
 Weight: 11.5 lbs.  
 Suitable Paddles:

WG 135 (5.4" dia.)  
 MG 140 (5.6" dia.)



### Mixer EHR 23/1.3R

*The powerful, professional unit for tough, continuous use*

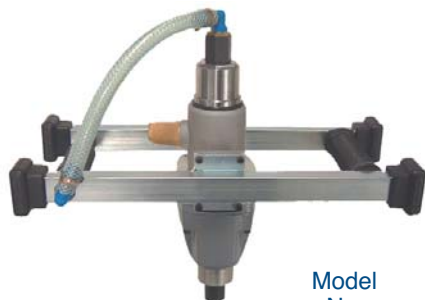
A powerful motor allows mixing of up to 200 pounds of high-viscosity materials ranging from epoxy, mortars, plasters and cement to quartz-containing resins and flooring compounds, as well as insulation and other materials.

Capacity: 5 bags, 35 gal.  
 Output: up to 1800 lbs./hour  
 Power: 14.5 Amp / 110 Volt AC  
 Free Speed: 325 RPM  
 Load Speed: 100-275 RPM  
 Weight: 15 lbs.  
 Suitable Paddles:

WG 160 (6.25" dia.)  
 MG 160 (6.25" dia.)



## Pneumatic-powered Mixers for Hazardous Environments



Three air-powered models are inherently safer for mixing paint, glue, epoxy, mortar, concrete, refractory cement and other materials in shipyards and the oil and gas industries. They can be used around water with no fear of shock or blown circuitry.

| Model No.   | Power  | CFM @ 90 PSI | Load Speed (RPM) | Mixing Capacity | Weight  | Air Connection | Suitable Paddles |
|-------------|--------|--------------|------------------|-----------------|---------|----------------|------------------|
| 7 1111 0010 | 1.5 HP | 49 CFM       | 0-440            | 110 lbs.        | 14 lbs. | 3/8"           | MG 140, WG 135   |
| 7 1112 0010 | 1.5 HP | 49 CFM       | 0-190 / 0-350    | 110 lbs.        | 15 lbs. | 3/8"           | MG 140, WG 135   |
| 7 1113 0010 | 2.2 HP | 67 CFM       | 0-190 / 0-420    | 200 lbs.        | 23 lbs. | 3/4"           | MG 160, WG 160   |

## For Larger Mixing Jobs

### Automix 1801

#### *The complete unit for mixing up to 110 lbs.*



Includes stand on wheels, a 17-gallon tub, paddle and a movable arm for mixing adjustments. This mixer, with a torque of 121 foot-pounds and a mechanical safety clutch, is designed for use with the heaviest of materials. It frees the operator to do other jobs while it mixes any material, regardless of viscosity, in batches up to 110 pounds. Tilttable machine arm allows easy bucket exchange. Wheeled stand includes pull bar for easy portability.

Power: 16 Amp / 110 Volt AC  
Load Speed: 70 RPM  
Weight: 58 lbs.  
Special Paddle: No. 31440 (included)



## Twin Paddle Mixing Save Time Mixing 2+ Component Materials

### Mixer EZR 21 S

#### *Quick, thorough mixing with twin paddles*

This dual-paddle mixer stirs heavy materials faster and more efficiently. A thorough, well-blended mixture results when mixing two or more component materials, as well as heavy products such as flooring compound, epoxies, mortars, fiber-filled cements, ceramics, granulates, pastes and putties. The blades rotate in opposite directions, eliminating counter torque and making the unit easy to handle – even while mixing the most demanding of materials. Each paddle is 4<sup>3</sup>/<sub>4</sub>" dia. with 8<sup>1</sup>/<sub>4</sub>" working width. Mix up to 200 pounds. Use hand-held or mount on RST 91 stand.

Capacity: 5 bags, 25 gal.  
Output: up to 1200 lbs./hour  
Power: 10.5 Amp / 110 Volt AC  
Free Speed: 680 RPM

Load Speed: 0-450 RPM  
Weight: 15 lbs.  
Paddle Pair: No. 31610000  
(included)  
Optional: RST 91 stand and  
No. 3233900 adapter



### Automix 1150 Z

#### *Twin paddle mixing station for quick, homogenous mixing*

Ideal for mixing two components including epoxy resin, floor leveling materials and more. Two interlocking paddles allow very fast mixing and homogenous batches without clumps. Includes stand on wheels, a 17-gallon tub, two paddles and a movable arm for mixing adjustments. Batches up to 110 pounds can be mixed without supervision, freeing the operator to do other jobs. Paddles included.

Power: 10.5 Amp / 110 Volt AC  
Load Speed: 450 RPM  
Weight: 57 lbs.  
Paddle Pair: No. 31450 (included)



## Portable Mixing Stands Save Time by Running Mixers Independently



Optional 9.25" wide paddle shown

Size: H-35" L-26" W-14"  
Weight: 64 lbs.

### Model 25GP-WD

Designed for easy setup, with no clamping required. Has rear wheels for extra portability. Ideal for use with 5-gallon pails and CS Unitec's EHR 20 R, EHR 23/1.3R or EZR 21 S mixers, as well as all CS Unitec pneumatic mixers.



Size: H-65" L-28" W-20"  
Weight: 69 lbs.

### Model RST 91

Has an adjustable swing arm and variable height adjustment, allowing use with various size pails. Easily set up. Use with EHR 20 R, EHR 23/1.3R or EZR 21 S electric mixers and all pneumatic mixers.



## Heavy-duty Galvanized Steel Mixing Paddles Mix from the Bottom Up

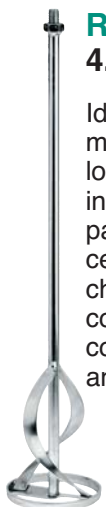
Mixing paddles can be supplied in different configurations depending on the material to be mixed. They mix the product from the bottom up to prevent air bubbles from being sucked into the material. The paddles are made of robust welded steel and are galvanized for protection against corrosion and resistance against abrasion. These features make them ideal for continuous, professional use. The end result is a perfect blend for the mixing professional.

Thread Connection: 14mm

Paddle Length: All paddles are 24" (9" or 15" extensions are available)

Special Paddles in Stainless Steel are available for Food Applications. Paddle pair for EZR 21 S: Order No. 31610000  
Adapt any paddle to fit your mixer with our 5/8" 3-jaw chuck and 14mm adapter: Order No. 32142999

### Low Viscosity



**RG 120**  
4.5" dia.

Ideal for liquid materials with a low viscosity, including wall paints, lacquers, cement paints, chemicals, coating compounds and laitance.

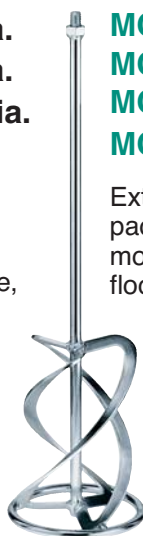
### Medium Viscosity



**WG 120** 4.5" dia.  
**WG 135** 5.4" dia.  
**WG 160** 6.25" dia.

For tenacious materials of a high viscosity such as finished plaster, mortar, gypsum, lime, floor compounds, granulates and quartz-filled epoxy resin.

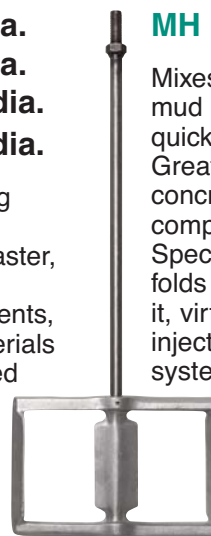
### High Viscosity



**MG 120** 4.5" dia.  
**MG 140** 5.6" dia.  
**MG 160** 6.25" dia.  
**MG 235** 9.25" dia.

Extra-robust stirring paddle for finished mortar, finished plaster, floor compounds, refractory cements, insulating materials and quartz-filled epoxy resin.

### Fold & Stir



**MH 240** 9.625" x 6.25"

Mixes all types of drywall mud and textured products quickly and completely. Great for decorative concrete coatings and comparable products. Specially designed blade folds material and then stirs it, virtually eliminating the injection of air into the system. Works in 5 to 55 gallon drums.

Paddle Extensions: 32210000 9" long x M14 • 32220000 15" long x M14 • Also available: 5/8" 3-jaw chuck with M14 adapter

# Mix, Transport and Pour Directly Onto the Floor



View product demonstrations at [www.csunitec.com](http://www.csunitec.com).



Casters for Level Floors

## PORTAMIX PMH 70F For Level Floor Use

Mixing and placing of construction compounds is now much easier and faster. Cement screeds, grout, mortar, texture coatings, sealants, adhesives and other self-leveling compounds and construction materials can be easily mixed in a short time. The HIPPO mixing station boosts productivity, lowers labor costs and reduces physical effort.

For example, cement screeds can be mixed quickly and placed accurately. The "Easy-roll Trolley" and the balanced "Easy-tilt Cradle" let you pour and spread material at the same time. Multi-stage pours to achieve a thicker screed are often not necessary. Furthermore, the HIPPO's wheel covers ensure that the casters remain free of screed splatter.



Reverse motor mounting for "alongside" mixing in smaller containers



The HIPPO has a full brim capacity of approximately 20 gallons, 290 pounds or 4- or 5-bag batches. The specially shaped mixing bowl eliminates pockets of unmixed product and also makes cleaning out easy. The bowl's spout lets the user pour onto the floor or into small containers without mess or waste. As an additional convenience, the mixing motor can be reverse-mounted for mixing in smaller containers "alongside."

## Key Features of the PORTAMIX HIPPO

- Easy operation – one person can mix, transport and pour
- Accurately place material directly onto the floor
- Produces excellent mix consistency
- Ideal for mixing in bulk and dispensing into small containers
- Pre-tinted material is easily blended

# For Rugged Building Site Mixing and Pouring



## PORTAMIX PMH 70X For Rough Terrain Use

Available with  
Pneumatic-  
powered Mixer  
**PMH 70F-AIR**  
for Level Floors  
**PMH 70X-AIR**  
for Rough Terrain



Tires for  
Rough  
Terrain



**Bowl Capacity:** 5 x 40 lbs. mix+water (20 gal/290 lbs.)  
5 x 20 kg mix+water (80 liters/130 kg)

**Motor Mounting:** Reversible for "alongside" mixing

**Tilting Cradle:** Balanced for easy operation

**Weight:** 99 lbs.

| Mixing Motor Specifications         |                                          |
|-------------------------------------|------------------------------------------|
| <b>PMH 70F</b><br>Level Floors      | Electric 110 Volt AC<br>16 Amp/1800 Watt |
| <b>PMH 70X</b><br>Rough Terrain     | 2-speed 140 RPM and 470 RPM (load)       |
| <b>PMH 70F-AIR</b><br>Level Floors  | Pneumatic 90 PSI/67 CFM<br>2.2 HP        |
| <b>PMH 70X-AIR</b><br>Rough Terrain | 2-speed 190 RPM and 420 RPM (load)       |



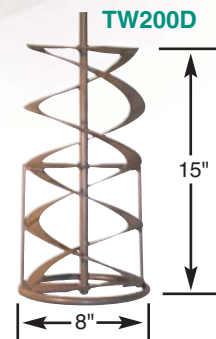
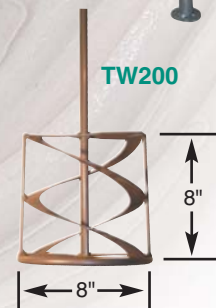
View product  
demonstrations  
at [www.csunitec.com](http://www.csunitec.com).

### The PortaMix HIPPO is supplied with two mixing paddles:

**TW200** – for half-batches (2-3 bags); 8" diameter x 27" long; ideal for plasters, concrete mortars, resins and tile adhesives. 8" long helix.

**TW200D** – for full batches (4-5 bags); 8" diameter x 27" long; ideal for self-leveling compounds, screeds, paints, plasters and epoxy. 15" long helix.

Paddles are designed with a special helix ribbon and side bars. They lift and shear the product quickly and efficiently to produce an excellent mix consistency and thorough mixing of colors and additives. The large 8" diameter of the paddle provides an increased peripheral speed which eliminates the need for high RPM mixing and helps to prevent flash curing.



*Mix, Transport and Pour Directly Onto the Floor*

**NEW**



See Pages 6 & 7



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*Also available from*  **UNITEC :**

*Concrete Grinders and Dust Extraction System*



*With dust extraction and walk-behind operation*

### Concrete Grinders – 5" & 7" Models

- Use hand-held or with a walk-behind cart
- Connect to vacuum for dust-free operation
- Powerful motors handle tough jobs like removing epoxy, paints and adhesives, as well as leveling and surface preparation



### Dust Extraction Vacuum – Wet/Dry

- Vacuum for use with numerous concrete tools, including grinders, saws and power tools
- Collects concrete dust and more
- Use with or without paper, plastic and slurry filter bags
- Accommodates one or two tools (with optional Y splitter)
- Electromagnetic pulse filter cleaning system
- 99.85% filtration efficiency; HEPA filters optional
- Maintains clean, safe work environment



 **UNITEC**

*... the power of innovation!®*

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