



*Variable-speed • High-torque • Powerful • Fast*

## PORTABLE HAND-HELD MIXERS AND MIXING STATIONS

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



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**For mixing Mortar, Concrete,  
Plaster, Flooring Adhesives,  
Grout, Coatings, Paint,  
Self-leveling Compounds,  
& other Cementitious Materials**

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# Professional Hand-held Mixers for Fast, Efficient Mixing

From self-leveling compounds 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



## For Small to Medium Mixing Jobs

### Mixer EHR 15.1 SB

#### *The compact mixing drill for 2-bag batches*

Easy-to-manage drill for continuous mixing of 2-bag batches. Ideal for tile cement, plaster, mortar, paints, epoxy and coatings.

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, self-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 mixing drill for tough, continuous use*

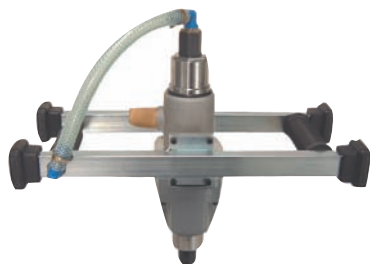
A powerful 14.5 Amp motor allows mixing of up to 200 pounds of high-viscosity materials ranging from epoxy, mortars, plasters and cement to quartz-containing resins and flooring compounds, as well as insulation and other materials.

- Capacity: 5 bags, 35 gal.
- Output: up to 1800 lbs./hour
- Power: 14.5 Amp / 110 Volt AC
- Free Speed: 150-325 RPM
- Load Speed: 100-275 RPM
- Weight: 15 lbs.
- Suitable Paddles:
  - WG 160 (6.25" dia.)
  - MG 160 (6.25" dia.)



**See the next page for our full line of heavy-duty galvanized steel mixing paddles and portable mixing stands.**

## 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.

**The HIPPO portable mixing station is also available with a pneumatic motor. See pages 6-7.**

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



# 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



## 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. The helical design mixes 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 corrosion protection and abrasion resistance. These features make them ideal for continuous, professional use. The end result is a perfect blend for the mixing professional.

**Thread Connection\*:**  
14mm male thread

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



\* For all CS Unitec Mixers, order 14mm male thread paddles shown below.

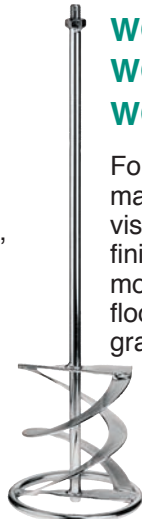
### Low Viscosity



**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.

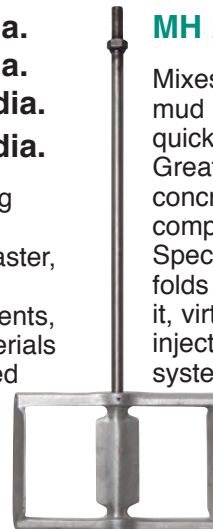
### High Viscosity



**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

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

# High-quality Mixing Paddles with Hex Shank

**New!** 1/2" Hex Shank Fits Standard Drill Chucks




Low Viscosity	Medium Viscosity	High Viscosity	Fold & Stir
 <p><b>RG 120 H</b> 4.5" dia.</p>	 <p><b>WG 120 H</b> 4.5" dia. <b>WG 135 H</b> 5.4" dia. <b>WG 160 H</b> 6.25" dia.</p>	 <p><b>MG 120 H</b> 4.5" dia. <b>MG 140 H</b> 5.6" dia. <b>MG 160 H</b> 6.25" dia.</p>	 <p><b>MH 240 H</b> 9.625" x 6.25"</p>

**Mix with the best paddles!**

CS Unitec's high-quality, heavy-duty galvanized steel mixing paddles are also available with a new hex shank design. The 1/2-inch hex shank provides a universal fit for traditional drills with 3-jaw chucks.

**Thread Connection:**  
1/2" hex shank

**Paddle Length:**  
All paddles are 24" long



## Portable Mixing Stands Save Time by Running Mixers Independently

### Model 25GP-WD

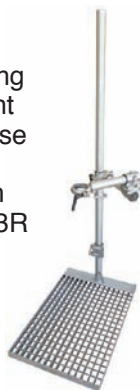
Designed for easy setup, with no clamping required. Has rear wheels for extra portability. Ideal for use with 5-gallon pails and CS Unitec's EHR 20 R, EHR 23/1.3R or EZR 21 S mixers, as well as all CS Unitec pneumatic mixers.



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

### Model RST 91

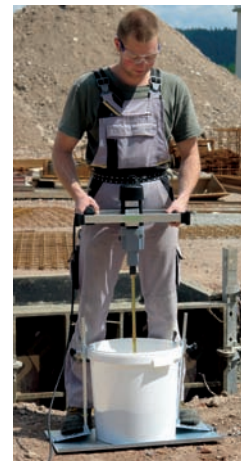
Has an adjustable swing arm and variable height adjustment, allowing use with various size pails. Easily set up. Use with EHR 20 R, EHR 23/1.3R or EZR 21 S electric mixers and all pneumatic mixers.



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

### Model RST 10

A simple foot stand securely clamps your mixing bucket in seconds, without tools. Wide base with non-slip strips prevents tipping and slipping. Ideal for all mixing applications including tough and sticky materials such as bitumen,



two-component materials, prefab filler, epoxies and more. Folds flat for portability and storage.

Size (folded):  
H-1", L-26", W-14"  
Weight: 14 lbs.  
Max Bucket Size:  
H-18", DIA-13"

# Mix, Transport and Pour Directly Onto the Floor



**PORTAMIX  
PMH 70F**  
For Level Floor Use  
(with rimmed bucket)



**PORTAMIX  
PMH 70X**  
For Rough  
Terrain Use  
(with rimmed bucket)



**PMH 70X**  
(with rimmed bucket)



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

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.

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."

## Mixing Motor Specifications

<b>PMH 70F-RL</b> Level Floors w/ Rimless Bucket and Removable Liner	Electric 110 Volt AC
<b>PMH 70X-RL</b> Rough Terrain w/ Rimless Bucket and Removable Liner	16 Amp/1800 Watt 2-speed Motor
<b>PMH 70F</b> Level Floors w/ Rimmed Bucket	1st Gear: 140 RPM (Load Speed) 2nd Gear: 470 RPM (Load Speed)
<b>PMH 70X</b> Rough Terrain w/ Rimmed Bucket	

*Pneumatic mixing motors available: 2.2 HP, 90 PSI/67 CFM, 2-speeds (190/420 RPM)*

## 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

**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.



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

# For Rugged Building Site Mixing and Pouring

**Save time and extend bucket life with removable liner!**



**PORTAMIX PMH 70F-RL**  
With Rimless Bucket and Removable Liner  
4 Casters for Level Floor use



**PORTAMIX PMH 70X-RL**  
With Rimless Bucket and Removable Liner  
2 Tires for Rough Terrain use

## Multiple Batch Mixing with Removable Liner

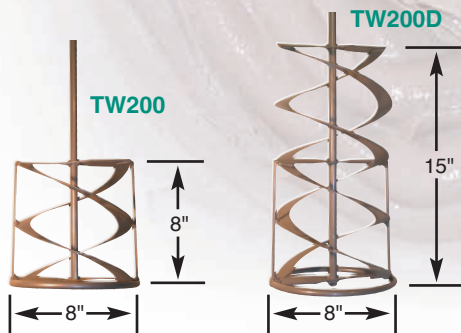
Mixing multiple batches is easier and faster with the new, removable liner and rimless bucket system.

- Mix consecutive batches without downtime
- Resilient, pliable liner is easily cleaned
- Alternating liners prevents cross contamination
- Extends life of bucket



After mixing the first batch, the liner can be removed and cleaned. To speed up production, a second liner can be used while the first liner is being cleaned. The use of a liner also helps to prevent cross contamination and minimizes wear to the HIPPO bucket, extending its life.

## 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.



The HIPPO is also available with a Pneumatic-powered Mixing Motor

**PMH 70F-AIR-RL**  
**PMH 70X-AIR-RL**

**PMH 70F-AIR**  
**PMH 70X-AIR**



# Save Time Mixing Multiple Batches With Removable Liner

# NEW

**PORTAMIX PMH 70F-RL**  
With Rimless Bucket and  
Removable Liner  
4 Casters for Level Floor use

**PORTAMIX PMH 70X-RL**  
With Rimless Bucket and  
Removable Liner  
2 Tires for Rough Terrain use

After mixing the first batch, the liner can be removed and cleaned. To speed up production, a second liner can be used while the first liner is being cleaned. The use of a liner also helps to prevent cross contamination and minimizes wear to the HIPPO bucket, extending its life.



The removable liner and rimless bucket system allows dried compounds to be easily broken and cleaned out.



See Pages 6 & 7 for more information about the removable liner.

# Concrete Grinders and Dust Extraction System



With dust extraction and walk-behind operation

## Concrete Grinders – 5", 7" & 9" 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 or 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



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

**CS UNITEC**  
... the power of innovation!®

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