

Variable-speed • High-torque • Powerful • Fast

Portable Mixing Machines

Mixing Drills
Mixing Stations
Mixing Stands
Paddles



**Heavy-duty Machines
for Mixing Mortar, Concrete,
Plaster, Flooring Adhesives,
Grout, Coatings, Paint,
Self-leveling Cements and
Other Cementitious Materials**

Professional Mixing Drills for Fast, Efficient Mixing



From self-leveling cements 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 290 pounds, including aggregate and other materials.

Helical Paddles – mix from the bottom up, eliminating injection of air for an optimum blend. Other paddles available.

Versatility – can be used hand-held or with our portable mixing stands.

Integrated Rubber Handle Guards –

protect mixer and tile/cementitious surfaces if mixer is dropped

Made
in
Germany
Since 1919

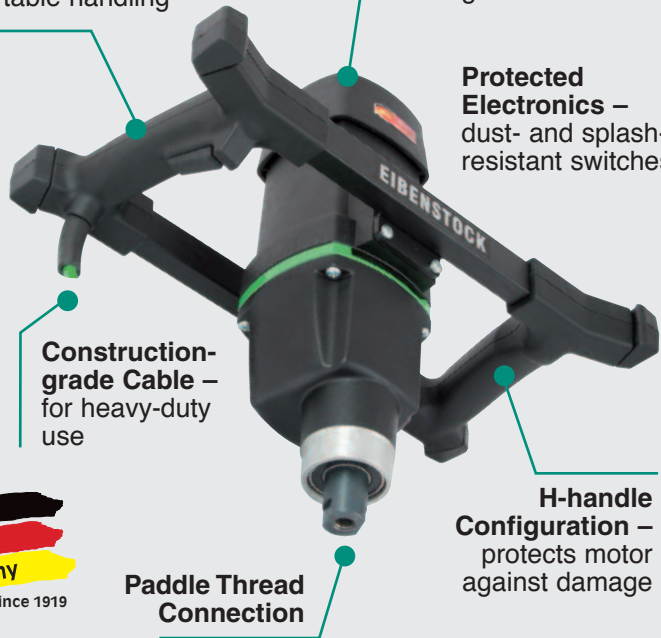
Fiberglass Housing – lightweight, robust, reinforced outer housing

Protected Electronics – dust- and splash-resistant switches

Construction-grade Cable – for heavy-duty use

H-handle Configuration – protects motor against damage

Paddle Thread Connection



For Small to Medium Mixing Jobs



**Mixer
EHR 18 S Set**
*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: 800 RPM
Load Speed: 0-450 RPM
Weight: 9 lbs.
Included Paddle: WG 120

Suitable Paddles:
WG 120 (4.5" dia.)
MG 120 (4.5" dia.)
RG 120 (4.5" dia.)



For Larger Mixing Jobs



Mixer EHR 20.1 R Set

The standard mixer with high reliability for construction

Ideal for medium- to high-viscosity powder and liquid materials such as finished 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.
Included Paddle: MG 140

Suitable Paddles:
WG 135 (5.4" dia.)
MG 140 (5.6" dia.)
TWP 140 (5.5" dia.)



Mixer EHR 23/1.3 R Set

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.
Included Paddle: MG 160

Suitable Paddles:
WG 160 (6.25" dia.)
MG 160 (6.25" dia.)
TWP 160 (6.375" dia.)

Also available: Mixer EHR 23/2.4 S Set

With 2-speed gearbox

Load Speed: 0-250 / 0-580 RPM



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

Twin Paddle Mixing Save Time Mixing 2+ Component Materials



Mixer EZR 22 R/RL Set

Push-pull Mixer: Quick, thorough mixing with twin paddles and clockwise/ counterclockwise rotation

This dual-paddle mixer with selectable clockwise and counterclockwise paddle rotation thoroughly mixes a wide variety of materials. 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 4³/₄" dia. with 8¹/₄" working width. Mix up to 200 pounds. Use hand-held or mount on RST 91 stand.

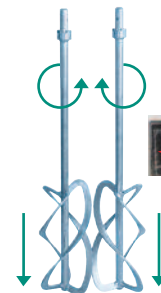
Capacity: 5 bags, 25 gal.
Output: up to 1200 lbs./hour
Power: 10.5 Amp / 110 Volt AC
Free Speed: 680 RPM

Load Speed: 0-450 RPM
Weight: 15 lbs.
Paddle Pair: No. 31610000 (included)

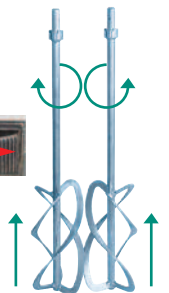
Optional: RST 91 stand and No. 3233900 adapter



**Counterclockwise
PUSH**



**Clockwise
PULL**



Counterclockwise rotation pushes material from the top to the bottom, reducing splashing when mixing low-viscosity materials such as paint, glue, filler and leveling compounds.

Clockwise rotation pulls material from the bottom to the top, reducing air inclusion and efficiently mixing heavy products such as flooring compound, epoxies, mortars, fiber-filled cements, ceramics, granulates, pastes and putties.

Mixing Station for Medium- to High-viscosity Batches



Mixing Station Automix 90

*The complete unit for
mixing up to 170 lbs.*

Ideal for mixing medium- to high-viscosity materials, including filler and leveling compounds, tile cement, ready-mixed mortar, plaster, screed and more. Reliable, high-power motor mixes batches up to 24 gallons in heavy-duty bucket. Integrated safety switch disables motor if frame is lifted during mixing.

Capacity: 3 bags, 24 gal.
Output: up to 900 lbs./hour
Power: 14 Amp / 110 Volt AC
Free Speed: 115 RPM
Load Speed: 50 RPM
Weight: 77 lbs.
Stirring Rod: No. 31460000 (included)



Also available: The MEGA HIPPO portable mixing station mixes, transports and pours batches up to 23 gallons/350 lbs./6 bags. See pages 6-7.

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.

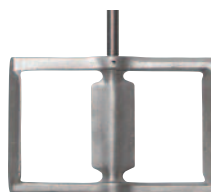
Extra-robust stirring paddle for finished mortar, finished plaster, floor compounds, refractory cements, insulating materials and quartz-filled epoxy resin.



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.



Overlays & Colored Products

TWP 140 5.5" dia.
TWP 160 6.375" dia.

Ideal for mixing a wide range of under/overlays and colored products. Integrated shear bars evenly disperse powders and liquids throughout tinted and dyed mixtures. For dry-bag compounds, cement/acrylic plasters and grout, as well as premixed products.



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 22 R/RL: 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

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" 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



Low Viscosity	Medium Viscosity	High Viscosity	Fold & Stir	Overlays, Underlays and Colored Products
 RG 120 H 4.5" dia.	 WG 120 H 4.5" dia. WG 135 H 5.4" dia. WG 160 H 6.25" dia.	 MG 120 H 4.5" dia. MG 140 H 5.6" dia. MG 160 H 6.25" dia.	 MH 240 H 9.625" x 6.25"	 PWP 120 4.75" dia.

Portable Mixing Stands Save Time by Running Mixers Independently

Model 25GP-WD

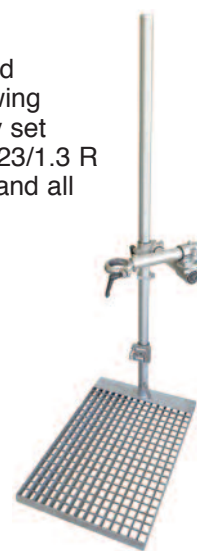
Designed for easy setup, with no clamping required. Has rear wheels for extra portability. Ideal for use with 5-gallon pails and CS Unitec's EHR 20.1 R, EHR 23/1.3 R or EZR 22 R/RL mixers, as well as all CS Unitec pneumatic mixers.



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 pail sizes. Easy set up. Use with EHR 20.1 R, EHR 23/1.3 R or EZR 22 R/RL electric mixers and all pneumatic mixers.



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

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 MEGA 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



Mix, Transport and Pour Directly Onto the Floor

Mixing multiple batches is faster and easier with the new MEGA HIPPO liner canister system.



Mixing and placing of products is easier and faster. Cement screeds, grout, mortar, textured coatings, sealants, adhesives and other self-leveling compounds can be mixed quickly. The MEGA HIPPO 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. Wheel covers ensure that the casters remain free of screed splatter.



Mix, transport and pour directly onto the floor – up to 6 bags – with one operator



USE:

- Mix compounds, including cement screeds, overlay, underlay, textured coatings, sealants, adhesives, epoxies, resins, pre-tinted material and other self-leveling compounds
- Ideal for mixing in bulk and dispensing into small containers
- Consecutive batch mixing without downtime

FEATURES:

- High-torque, 15 Amp 2-gear motor
- Full-brim capacity of 23 gallons, 350 lbs. or 6-bag batches
- "Easy-roll Trolley" and balanced "Easy-tilt Cradle" allow for pouring and spreading of material at same time
- Specially shaped mixing bowl eliminates pockets of unmixed product and allows for easy cleaning
- 9" diameter paddles with helix ribbon and side bars lift and shear product quickly to produce excellent consistency and thorough mixing of colors and additives
- Resilient, pliable liner is easily cleaned; alternating liners prevents cross contamination
- Dust extraction port for vacuum connection

Mixing Motor Specifications

PMH 80F-RL Level Floors w/ Rimless Bucket and Removable Liner	Electric 110 V* 15 Amp / 1800 Watt 2-speed Motor
PMH 80X-RL Rough Terrain w/ Rimless Bucket and Removable Liner	1st Gear: 140 RPM (Load Speed) 2nd Gear: 470 RPM (Load Speed)
*220 Volt available	

Standard Equipment includes: mixing motor, bucket, removable liner and 2 paddles – TW225 for half batches (2-3 bags) and TW225D for full batches (5-6 bags)

Key Features of the PORTAMIX MEGA 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: 6 x 50 lbs. mix + water (23 gal./350 lbs.)
6 x 22 kg mix + water (86 liters/160 kg)

Motor Mounting: Reversible for "alongside" mixing

Tilting Cradle: Balanced for easy operation

Weight: 109 lbs.

Reverse motor mounting allows "alongside" mixing in smaller containers



View product demonstrations at www.csunitec.com.

For Rugged Building Site Mixing and Pouring

Save time and extend bucket life with a removable liner!



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.



Two Models Available:



PORTAMIX PMH 80F-RL

With Rimless Bucket and Removable Liner

4 Casters for Level Floor Use

Allows accurate placement – pour and spread at the same time.



PORTAMIX PMH 80X-RL

With Rimless Bucket and Removable Liner

2 Tires for Rough Terrain Use

Increased height – pour directly into buckets or carts.

The MEGA HIPPO portable mixing station is available with a pneumatic motor.

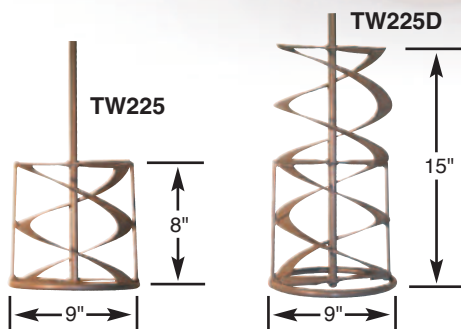
Two air-powered models are inherently safer for mixing paint, glue, epoxy, mortar, concrete, refractory cement and other materials in shipyards and the oil and gas industries.

They can be used around water with no fear of shock or blown circuitry.

PMH 80F-AIR
PMH 80X-AIR



The PORTAMIX MEGA HIPPO® is supplied with two mixing paddles:



TW225 – for half batches (2-3 bags); 9" diameter x 27" long; ideal for plasters, concrete, mortars, resins and tile adhesives. 8" long helix and side bars.

TW225D – for full batches (5-6 bags); 9" diameter x 27" long; ideal for self-leveling compounds, screeds, paints, plasters and epoxy. 15" long helix and side bars.

The 9" wide helix and side bars lift and shear the product quickly and efficiently to produce an excellent mix consistency and thorough mixing of colors and additives. The paddle's large 9" diameter provides increased peripheral speed which eliminates the need for high-RPM mixing and helps to prevent flash curing.

Save Time Mixing Multiple Batches

With Removable Liner

PORTAMIX PMH 80F-RL
With Rimless Bucket and
Removable Liner
4 Casters for Level Floor use

PORTAMIX PMH 80X-RL
With Rimless Bucket and
Removable Liner
2 Tires for Rough Terrain use



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.



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.



Control dust with CS Unitec's CS 1445 H HEPA industrial vacuum



Concrete Grinders and Dust Extraction System

With optional 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.

CS UNITEC
... the power of innovation!®

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