Mixing Drills and Paddles

Professional, Heavy-Duty, Hand-Held Mixers 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** for less splashing and better control.
- **High-torque Motors with Specially Designed Gears** provide maximum power. Mix quantities from 1 gal. to 290 lbs., including aggregate and other materials.
- **Helical Paddles** mix from the bottom up, eliminating injection of air for an optimum blend.
- **Versatile Construction** can be used hand-held or with our portable mixing stands.

### Job Size

<table>
<thead>
<tr>
<th>Small</th>
<th>Medium</th>
<th>Medium/Large</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile cement, plaster, mortar, paints, epoxy and coatings.</td>
<td>Ideal for medium- to high-viscosity powder and liquid materials. Examples include finished plaster, latex, mortar, epoxy, self-leveling compounds and other materials.</td>
<td>High-viscosity materials ranging from epoxy, mortars, plasters and cement to quartz-containing resins and flooring compounds, as well as insulation. Thoroughly mixes a wide variety of demanding materials.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Motor Power</th>
<th>Load Speed</th>
<th>Capacity</th>
<th>Max. Output</th>
<th>Weight</th>
<th>Suitable Paddles</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHR 18 S</td>
<td>9.5 Amps</td>
<td>0-450 RPM</td>
<td>2 bags/20 gal.</td>
<td>700 lbs./hr.</td>
<td>9 lbs.</td>
<td>WG 120 MG 120 RG 120</td>
</tr>
<tr>
<td>EHR 20.1 R Set</td>
<td>10.5 Amps</td>
<td>250-580 RPM</td>
<td>3 bags/25 gal.</td>
<td>900 lbs./hr.</td>
<td>11.5 lbs.</td>
<td>WG 135 MG 140 TWP 140</td>
</tr>
<tr>
<td>EHR 750 B</td>
<td>14.5 Amps</td>
<td>100-275 RPM</td>
<td>5 bags/25 gal.</td>
<td>1800 lbs./hr.</td>
<td>15 lbs.</td>
<td>WG 160 MG 160 TWP 160</td>
</tr>
<tr>
<td>EHR 23/1.4 R</td>
<td>14.5 Amps</td>
<td>0-250/0-580 RPM</td>
<td>5 bags/25 gal.</td>
<td>1800 lbs./hr.</td>
<td>15 lbs.</td>
<td>WG 160 MG 160 TWP 160</td>
</tr>
<tr>
<td>EZR 24 R R/L</td>
<td>14.5 Amps</td>
<td>180-440 RPM</td>
<td>5 bags/25 gal.</td>
<td>1800 lbs./hr.</td>
<td>17 lbs.</td>
<td>P/N 31630000 (set of two)</td>
</tr>
<tr>
<td>EHR 750 B Gas-Powered</td>
<td>1 HP</td>
<td>0-450 RPM</td>
<td>3 bags/25 gal.</td>
<td>900 lbs./hr.</td>
<td>19.6 lbs.</td>
<td>WG 135 MG 140 TWP 140</td>
</tr>
</tbody>
</table>
Mixing Paddles

Heavy-Duty Galvanized Steel Mixing Paddles
Helical design mixes from the bottom up, eliminating air pockets

- 14mm thread connection
- 24” paddle length

<table>
<thead>
<tr>
<th>Low Viscosity</th>
<th>Medium Viscosity</th>
<th>High Viscosity</th>
<th>Fold &amp; Stir</th>
<th>Overlays &amp; Colored Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid materials including wall paints, lacquers, cement paints, chemicals, coating compounds and laitance</td>
<td>Tenacious materials such as finished plaster, mortar, gypsum, lime, floor compounds, granulates and quartz-filled epoxy resin</td>
<td>Finished mortar, finished plaster, floor compounds, refractory cements, insulating materials and quartz-filled epoxy resin.</td>
<td>Drywall mud and textured products, decorative concrete coatings and comparable products. Works in 5- to 55-gallon drums.</td>
<td>Wide range of under/overlays and powder/liquid colored products. For dry-bag compounds, cement/acrylic plasters, grout, and premixed products</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Paddle Accessories:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>32210000 9” long x M14</td>
<td>31630000 Paddle pair for EZR 24 R/L</td>
</tr>
<tr>
<td>32142999 5/8” 3-jaw chuck with M14 adapter to fit any mixer</td>
<td>(9” working width.)</td>
</tr>
</tbody>
</table>

Portable Mixing Stand - Save time by running mixers independently

Model 25GP-WD
Designed for easy set up, with no clamping required. Has rear wheels for extra portability. Ideal for use with 5 gallon pails.

Size: H-35”
L-26”
W-14”
Weight: 64 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.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Motor Power</th>
<th>CFM @ 90 PSI</th>
<th>Load Speed (RPM)</th>
<th>Max. Output</th>
<th>Weight</th>
<th>Air Connection</th>
<th>Suitable Paddles</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 1111 0010</td>
<td>1.5 HP</td>
<td>49</td>
<td>0-440</td>
<td>110 lbs./hr.</td>
<td>14 lbs.</td>
<td>3/8”</td>
<td>MG 140</td>
</tr>
<tr>
<td>7 1112 0010</td>
<td>1.5 HP</td>
<td>49</td>
<td>0-190 / 0-350</td>
<td>110 lbs./hr.</td>
<td>5 lbs.</td>
<td>3/8”</td>
<td>MG 140</td>
</tr>
<tr>
<td>7 1113 0010</td>
<td>2.2 HP</td>
<td>67</td>
<td>0-190 / 0-420</td>
<td>200 lbs./hr.</td>
<td>23 lbs.</td>
<td>3/4”</td>
<td>MG 160, WG 160</td>
</tr>
</tbody>
</table>

*For all CS Unitec Mixers, order 14mm male thread paddles

The MEGA HIPPO portable mixing station is also available with a pneumatic motor. Contact CS Unitec for details.

ATEX-Certified models available. Contact CS Unitec for more information.
MEGA HIPPO Mixing System

Industry Standard System for Self-Levelers!

NEW 20 AMP MOTOR: MAINTAIN HIGHER SPEEDS!

Now handle a wider range of materials – mix thicker compounds and heavier aggregate

- **New 3-speed motor with 33% more power**
  Higher torque for use with even more materials, including thicker compounds and heavier aggregate

- **Large batch capacity**
  Thoroughly mix batches up to 6 bags (23 gallons/350 lbs.) of self-levelers

- **Reduced dust and splatter**

- **Replaceable liners**
  Increase productivity and eliminate cross-contamination

- **Balanced tilting cradle**
  For easy, smooth pouring

- **Slim profile & compact height**
  Easily maneuver through doorways and transport between jobsites, even in enclosed trucks and vans

Self-Leveling Over/Underlayments • Engineered Concrete • Cement Screeds
Sealants • Adhesives • Resins • Epoxies • Textured Coatings • Slurries • and more

**Cost Savings Example when using the HIPPO Mixing System:**

Reduce labor costs by up to 86%
Increase output by up to 11x!

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Bags/hour output</th>
<th>Cost per bag (labor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 People + 2 Buckets + 1 Mixer</td>
<td>9 bags/hour</td>
<td>$4.44</td>
</tr>
<tr>
<td>2 People + 1 Barrel + 1 Mixer</td>
<td>26 bags/hour</td>
<td>$1.54</td>
</tr>
<tr>
<td>3 People + 2 Barrels + 2 Mixers</td>
<td>50 bags/hour</td>
<td>$1.20</td>
</tr>
<tr>
<td>3 People + 2 HIPPOs + 1 Pelican Transport Cart</td>
<td>100 bags/hour</td>
<td>$0.60</td>
</tr>
</tbody>
</table>

A flexible solution for self-leveling jobs of all sizes!

Configure your ideal HIPPO System to maximize profit, increase output and boost your bottom line.

PMH80F-DC3.1 Ideal for flat floors. Allows accurate placement - pour and spread at the same time. 4 casters.
PMH80X-DC3.1 Ideal for rough terrain. Increased height - pour directly into buckets or carts. 2 tires/2 legs.
PMP80 Pelican cart and canister. Ideal for transporting and pouring materials and mixing back-to-back batches.

Visit our Web site at www.csunitec.com
MEGA HIPPO Mixing System

**NEW MODEL:**
PMH80F-DC3.1

**NEW MODEL:**
PMH80X-DC3.1

<table>
<thead>
<tr>
<th>Portamix® MEGA HIPPO</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>6 Bags</td>
<td></td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>Up to 2200 lbs./hour</td>
<td></td>
</tr>
<tr>
<td><strong>Speeds</strong></td>
<td>175/300/430</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>109 lbs.</td>
<td></td>
</tr>
<tr>
<td><strong>Paddles</strong></td>
<td>2 included</td>
<td></td>
</tr>
</tbody>
</table>

*Standard equipment included:* Standard Equipment includes: mixing motor (PH 2516 R), bucket, removable liner (PH705), canister cover with hinged lid (PH718) and 2 paddles – TW225 for half batches (2-3 bags) and TW225D for full batches (4-6 bags)

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**Replaceable Liners improve productivity, reduce cleanup, and eliminate cross-contamination**

- Fits both HIPPOs and Pelican Carts
- Extends life of canister
- Avoids flash-cure on fast setting materials
- Rolled edge reduces compound seeping between liner and canister
- Alternating liners prevent cross-contamination
- Flexible and durable – dry compounds are easily broken up and removed by compressing liner

**PH705**

- **PH723**
  - Optional lid with material chute

**Pelican Transport Cart**

**PMP80**

Ideal for transporting and pouring materials and mixing back-to-back batches.
Pelican Mixing Station with Dust Control

For smaller jobs – mix, transport and pour up to 3-bag batches

- Canister cover and dust extraction port reduces airborne dust and splatter
- Powerful 2-gear variable-speed motor – can also be used for hand-held mixing
- Ideal for "assembly line" mixing – run multiple batches with PMP80DC-23 and 2+ PMP80 Pelican Carts

Model No. PMP80DC-23

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>3 Bags</td>
</tr>
<tr>
<td>Output</td>
<td>Up to 1500 lbs./hour</td>
</tr>
<tr>
<td>Power</td>
<td>14.5 AMP / 110 V</td>
</tr>
<tr>
<td>2-Speeds</td>
<td>0-250 and 0-580 RPM</td>
</tr>
<tr>
<td>Weight</td>
<td>65 lbs.</td>
</tr>
<tr>
<td>Paddles</td>
<td>2 included</td>
</tr>
</tbody>
</table>

Standard equipment included: EHR 23/2.4 Mixing Drill, 2 paddles (TK200P and MG 160), transport cart, canister, liner, canister cover with hinged lid and motor mount (PP650). For replacement liner, order part no. PH705.

Pelican Mixing Station includes EHR 23/2.4 S mixer – hand-held mixing drill can also be used for applications that don’t require the canister.

HIPPO and Pelican Accessories:

- PMP80 Pelican Transport Cart & Canister
  - Transport and pour materials and mix back-to-back batches.
- PH723 Lid with Material Chute
- PP600 Hand-Hand Mixer Clamp for PMP80 Pelican Mixing Cart
  - Clamp for PMP80 only, attaches to the Pelican Cart frame to mount a hand-held mixer.

Replaceable Liners improve productivity, reduce cleanup, and eliminate cross-contamination

PH705 Canister Liner
- Fits both HIPPOs and Pelican Carts
- Extends life of canister
- Avoid flash-cure on fast setting materials
- Rolled edge reduces compound seeping between liner and canister
- Alternating liners prevents cross-contamination
- Flexible and durable – dry compounds are easily broken up and removed by compressing liner

PH705 Canister Liner

Visit our Web site at www.csunitec.com
Automatic Mixing Stations

The TWINMIX 1800 allows one user to automatically mix a new batch while pouring the previous batch – without sacrificing quality.

**CUT LABOR AND PRODUCTION TIME IN HALF**
when using TWINMIX with an Extra Cart!

10:15
POUR MIX 1
START MIX 2
POUR MIX 2
START MIX 3
10:20

**IDEAL FOR HIGHLY VISCOS MATERIALS, INCLUDING:**
MORTAR • STUCCO
GROUT • CONCRETE
AND MORE

**Improve mix results, increase profits and maximize productivity with TwinMix 1800**

Reduce airborne dust and splatter while adding and mixing materials: integrated hood with safety switch, top load chute and vacuum port for cleaner, safer jobsite.

Reduce material costs: contra-rotating paddle with scraper for clump-free, homogenous mixes.

Accurately control batch time for consistent mix results: included timer shuts motor off.

Prevent cross contamination: replaceable heavy-duty bucket allows for easy material changeover and fast clean-up.

**Two TwinMix options for maximum efficiency:**

- **TwinMix 1800 TSD**
  (Order No. TwinMix 1800 TSD)
  1 side-tip transport cart with 4 wheels for simultaneous pouring and spreading, and mixing bucket.

- **TwinMix 1800 TFR**
  (Order No. TwinMix 1800 TFR)
  1 transport cart with 2 wheels and mixing bucket.

**TwinMix 1800 Specifications**

- Power: 15 Amp/110 V
- Bucket Capacity: 17 gal.
- Helical Mixing Paddle: 250/450 RPM
- Scraper Paddle: 20/36 RPM
- Weight: 155 lbs.

**Standard equipment included:** motor on stand, helical mixing paddle, scraper paddle, plastic edge scraper, mixing bucket and cart.

**Kit Options:**

- **TwinMix 1800 TFR Kit 1**
  (Order No. TwinMix 1800 TFR Kit 1)
  includes 2 transport carts

- **TwinMix 1800 TSD Kit 1**
  (Order No. TwinMix 1800 TSD Kit 1)
  includes 2 side-tip carts