Horizontal Shaft Spiral Blade Mixer

Defining Batch Plant Excellence.

A new method of concrete production.

WWW.VINCEHAGAN.COM
Take the Horizontal Road to Concrete Profits!

**The Critical Factor: 450 versus 350**

Due to its quick cycle time, the Hagan Mixer can produce up to 450 yards per hour, with a 30-second mix time.

The Horizontal Shaft Spiral Blade Mixer was approved by CPMB/PMMD for uniformity testing.

A 30 second mix time has been approved for both 1” - 3” slump paving and 4” - 6” slump general use concrete.

**One Day Set Up**

At one time, the only choices open to pavers were semi-portable plants and tilt mixers. However, when the paver is too far from the plant the consistency of the concrete will suffer during delivery. Also, the farther from plant to pour site, the more trucks are needed to supply the paver.

When the haul distance becomes too great, the plant can be moved. Such a move might cost from $20,000 to $25,000 and take weeks with a tilt mixer plant. And, figured into the cost of the concrete might be new permits, the cost of anchor slabs and elevated piers, slab removal, plus clean up on the previous site.

While the plant is being dismantled, moved and set up again, no concrete can be poured. And, downtime is costly when you have a paving machine and its crew on the payroll.

This is changed with the introduction of the patented Vince Hagan Horizontal Shaft Spiral Blade Mixer. Mobility and product consistency were combined to produce the highest strength concrete in the shortest amount of time.

Fully trailerized, the Hagan Mixer moves easily, inexpensively and can be set up without concrete slabs in most cases for about $3,000 to $4,000 in one day...giving our mixer a minimum four or five day production jump on the relocation of a tilt mixer plant.

On a fast moving paving job, think what that will do for your bottom line!

<table>
<thead>
<tr>
<th></th>
<th>YARDS/HOUR</th>
<th>10-HOUR DAY</th>
<th>6-DAY WEEK</th>
<th>8-WEEK OPERATION</th>
<th>X $75.00 YARD</th>
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</thead>
<tbody>
<tr>
<td>Hagan</td>
<td>450</td>
<td>4,500</td>
<td>27,000</td>
<td>216,000</td>
<td>$16,200,000</td>
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<tr>
<td>Horizontal</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Tilt Mixer</td>
<td>350</td>
<td>3,500</td>
<td>21,000</td>
<td>168,000</td>
<td>$12,600,000</td>
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</tbody>
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Taking the tilted road, your dip in gross revenue could be **$3,600,000**!
On The Road Again... Quickly and Inexpensively

Our Horizontal Shaft Spiral Blade Mixer is fully trailerized and moves quickly down the highway to your next paving project.

Since 1956, The Vince Hagan Company has produced quality concrete plant equipment to help you produce quality concrete.

One major reason for our continued success is simply that we listen to what the customers want. You asked for a mobile batch plant and we delivered.

Our Horizontal Shaft Spiral Blade Mixer produces a forced mix that doesn’t rely on gravity as in tilt mixers.

Spiral blades, attached to a rotating shaft, push mud out of the drum in seven to ten seconds.

The complete cycle time from batch to batch is sixty to seventy seconds, producing 450 cubic yards per hour.

On several high spec Corp of Engineers projects, the Hagan Mixer was chosen for its thirty second mixing time.

Speed Doesn’t Sacrifice Quality

A variety of mixing actions are combined in our unit to thoroughly mix the concrete into a higher strength product and, with a slight increase in horsepower, our mixers have the capability of producing no-slump concrete.
In a ready-mix operation, this stationary unit produces central mixed concrete and cement treated base, alternating between transit mixers and dump trucks.

Steel pads or crane mats are used in place of expensive concrete foundations. This speeds set-up, and lowers costs.

Mixer Drive and Guard Assembly with Oil Bath

Mixer Drive Motors

Adjustable Leveling Pads

**Mixer Features**

- Up to 50% greater production than tilt mixer plants
- Completely mobile
- Set-up in one day or less
- Low set-up costs make small jobs profitable
- High speed, low slump concrete discharge in seven seconds
- 28-day strength in seven days
- Produces concrete pavement, Roller Compacted Concrete (RCC) and Cement Treated Base (CTB)
- No concrete foundation required in most cases (dependent on soil conditions)
- Available in 1.5, 4.5, 8.0 and 10.0 cubic yard capacities
- Corp of Engineers accepted
- CPMB/PMMD performance rated and plated for 30 second mix time for both 1"-3" slump paving use and 4"-6" slump general use concrete
and Perfect for Paving in a Single Day
Shaft Spiral Blade Mixer

Electrical Controls (Pre-wired in EMT conduit)

Adjustable Drum Rollers

Replaceable Ni-Hard Spiral Blades and Mixer Liners

Hydraulic Cylinders to Rotate Drum

In slip form pave operation, this highly mobile unit dumps from 10-yard mixer into awaiting truck.

Hydraulic System (Pre-piped)

WET BELT

Photo shows a 10-yard Horizontal Mixer with a 48” wet concrete belt for Ready-Mix producers who require central mixing.
One Mixer Handles Three Different Paving Jobs:

Concrete Slip Form Paving | (CTB) Cement Treated Base Concrete (RCC) Roller Compacted Concrete

Our mixers are engaged in main line paving work with major construction companies throughout the world.
Horizontal Spiral Shaft Blade Mixer Rating Plates:

**PERFORMANCE RATED**
- **CONCRETE PLANT MIXER**
- **Cubic Yards:** 10
- **Cubic Meters:** 7.65
- **Maximum Capacity**
- **Certified by the manufacturer to comply with the concrete plant mixer standards of the Plant Mixer Manufacturers Division, Concrete Plant Manufacturers Bureau, when operated in normal mixing position at 15.6 RPM.**

**UNIFORMITY RATING**
- **Mixing Time:**
  - **4” - 6” Slump General Use:** 30 seconds
  - **4” Slump or Less Paving Use:** 30 seconds
- **Certified by the manufacturer to comply with the concrete plant mixer test procedures for measuring the within-batch uniformity of the plant mix concrete performance evaluation test of the plant mixer manufacturers division, Concrete Plant Manufacturers Bureau.**

VINCE HAGAN COMPANY
DAVIS, TEXAS USA

**Serial No:**

**Model No:** HM-10

**Date of Mfg.:**
Horizontal Shaft Spiral Blade Mixer with Exclusive Rotating Drum

All-welded steel drum
AR-400 abrasion resistant liners (replaceable)
Cast Ni-Hard blades
Internal shaft seals
Hydraulic system to discharge mixer (7 seconds down 7 seconds up)
Motors: TEFC 1800 RPM, 480V or 240V/3PH/60HZ power

Electrical: Includes NEMA 3R Fusible Main Line Disconnect Switch w/ fuses, NEMA 4 Motor Starter Panel w/ SQ D across the line motor starters w/ solid state overload, fuse blocks w/ fuses all pre-wired and UL labeled and approved. Also with manual control switches install in the motor starter enclosure door for mixer off/on, hydraulic off/on, tilt and return push buttons

Available Options for Longer Wear Life

- Tungsten Carbide coating for mixer shaft
- Crodon coated liners in lieu of AR-400 steel liners

Please Note

- Mixer primed and painted: Hagan standard unleaded colors (yellow, white, tan and gray) machinery enamel
- Mixer designed to meet or exceed specifications of Plant Mixer Manufacturers’ Division (PMMD) of Concrete Plant Manufacturers’ Bureau (CPMB)
- Low slump concrete may require larger motors and drives. Please consult factory
- Optional: Hydraulic self-erect system

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MADE IN THE U.S.A