



DEFINING BATCH PLANT EXCELLENCE.

Horizontal Shaft Spiral Blade Mixer



A new method
of concrete
production.

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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!

MIXER	YARDS/HOUR	10-HOUR DAY	6-DAY WEEK	8-WEEK OPERATION	X \$75.00 YARD
Hagan Horizontal	450	4,500 YARDS	27,000 YARDS	216,000 YARDS	\$16,200,000
Tilt Mixer	350	3,500 YARDS	21,000 YARDS	168,000 YARDS	\$12,600,000

Taking the tilted road, your dip in gross revenue could be **\$3,600,000!**

**Take the Horizontal Road to Concrete Profits:
The Vince Hagan Horizontal Shaft Spiral Blade Mixer**

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.

Steady for Ready-Mix Move and Set-Up

Trailerized Horizontal S

READY-MIX STATIONARY UNIT



In a ready-mix operation, this stationary unit produces central mixed concrete and cement treated base, alternating between transit mixers and dump trucks.

PADS



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

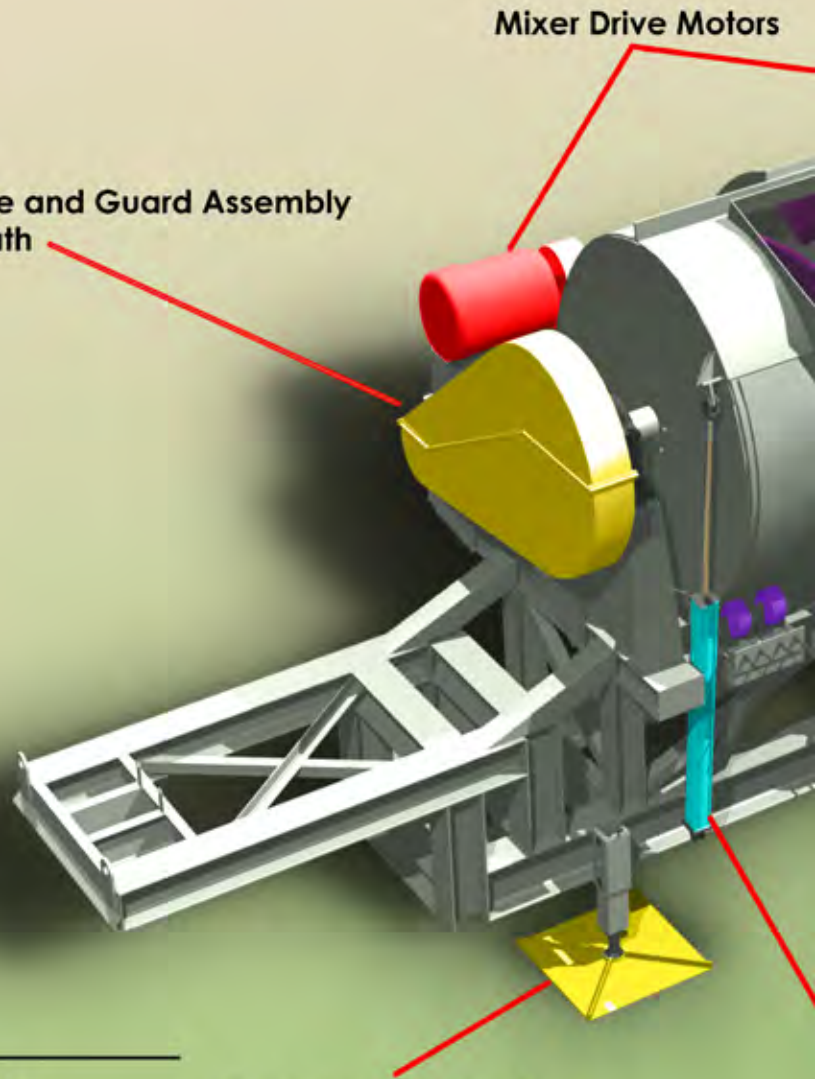
MIXER FEATURES

- 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

Mixer Drive and Guard Assembly with Oil Bath

Mixer Drive Motors

Adjustable Leveling Pads



and Perfect for Paving p in a Single Day

Shaft Spiral Blade Mixer

SLIP FORM PAVING

Electrical Controls
(Pre-wired in EMT conduit)



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

Hydraulic System
(Pre-piped)

WET BELT

Adjustable
Drum Rollers



Photo shows a 10-yard Horizontal Mixer with a 48" wet concrete belt for Ready-Mix producers who require central mixing.

Replaceable Ni-Hard Spiral Blades
and Mixer Liners

Hydraulic Cylinders
to Rotate Drum

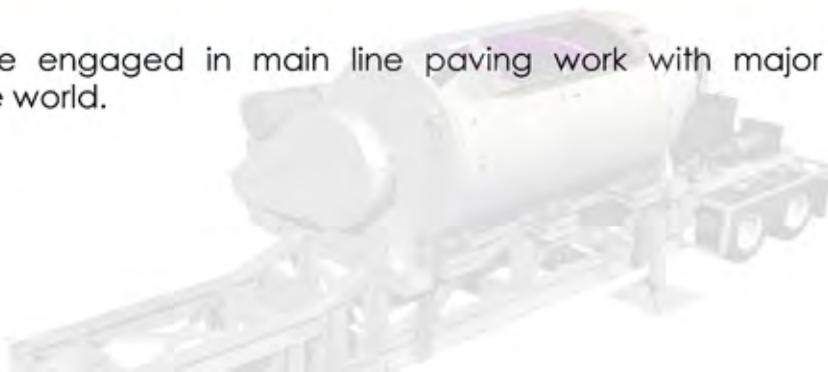


One Mixer Handles Three Different Paving Jobs:

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

	10 CUBIC YARDS	7.65 CUBIC METERS	
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MAXIMUM CAPACITY



CONCRETE PLANT MIXER

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. **F-**

PMMD REGISTRY No.

UNIFORMITY RATING

	MIXING TIME 30 second 4" - 6" SLUMP GENERAL USE	MIXING TIME 30 second 4" SLUMP OR LESS PAVING USE	
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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**
DALLAS, TEXAS USA

SERIAL NO:	MODEL NO:	DATE OF MFG.
	HM-10	

SPECIFICATIONS

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 overloads, 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

Proud Member of



NATIONAL
READY MIXED
CONCRETE
ASSOCIATION



AIR
QUALITY
MANUFACTURERS
DIVISION



PLANT
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DIVISION



CONCRETE
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