

**TM-12
SMART TILT MIXER**



CONCRETE BATCHING EQUIPMENT

TM-12 SMART TILT MIXER MOBILE & STATIONARY



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SMARTEST MOBILE CENTRAL MIX PLANT IN THE INDUSTRY

Aggregate Storage
Bin & Weigh Batcher

In-truss
Dust Collector

In-truss
Silo Storage

Cement
Batcher

Water
Tank



MOBILE PLANT TRAVEL FEATURES

- Aggregate bin and batcher travel on the plant module with largest aggregate storage in the industry (up to 100 tons - 4 compartments).
- Exclusive "in-truss" central dust collector with an automatic recycle system mounted on the plant which eliminates an extra load of freight.
- "In-truss" cement storage for up to 500 bbl. of capacity, eliminating overhead silo that requires separate load of freight and expensive plant concrete foundations.
- Water Meter and Water Surge Tank travel on the plant for fast gravity feed of water into mixer.
- 12 cu. yd. cement and aggregate batchers are mounted in the truss frame with complete load cell systems pre-installed and pre-wired for quick calibration.
- Multi-flight cement screw feeders up to 12" for fast weigh-up of cement (Dual auger speeds up to 240 cu. ft./min.).
- Deep trough transfer belt up to 48" wide is pre-installed for fast weigh up cycle (Belt speed up to 650 ft. min.).
- All electrical and air systems pre-piped and pre-wired for easy start-up.
- Auxiliary portable cement/fly ash silos (HCA) up to 500 bbl. capacity can be added and require no concrete foundations.

TRAILER FEATURES

- Heavy duty portable trailer for ease of delivery.
- Quick set-up on job site.
- Triple axle design to meet DOT requirements.
- Heavy duty steel stand for portable mixer designed for 12' 9" load clearance.
- Counterweight for free-standing structure separate from the plant to reduce foundation cost (Mixer requires foundation).
- All electrical and hydraulics mounted on trailer frame.
- Pre-piped and pre-wired for easy start-up.
- Most portable central mix plant in the industry with the fewest loads of freight.



SIGNIFICANT REDUCTION IN FOUNDATION REQUIREMENTS VERSUS COMPETITION



Mounted on Steel Plates

Elevated Mixer Support Structure & Counter Balance Water Tank

VINCE HAGAN CENTRAL MIX PLANT SET-UP FEATURES:

- › Hagan Portable Central Mix plants can be set up on steel plates or timber mats. This significantly reduces the cost of set-up by eliminating costly concrete foundations.
- › Foundation requirement is dependent upon soil conditions at the plant site.
- › The Hagan TM-12 Mixer is free-standing with its own counterweight, eliminating the need to tie into the plant structure and significantly reducing the amount of concrete foundation required under the mixer.
- › The low profile design of the Hagan plant eliminates problems with height restrictions, high wind loads, and seismic structures that plants with overhead silos endure.
- › The low profile design allows for smaller sized cranes on the job site, reducing costly crane rentals.
- › Hagan portable plants are completely erected and tested at our factory prior to shipment to assure the plant sets up quickly at the job site, significantly reducing set-up costs.
- › Hagan portable plants require the fewest loads of freight in the industry which reduces those expensive freight costs.

NEWEST FEATURES

- NEW SMART MIXER ALLOWS FOR ONLINE CUSTOMIZED REMOTE ACCESS CONTROL
- DIAGNOSTICS ALLOW SERVICE DEPT. TO REMOTELY TROUBLESHOOT
- NOTIFICATIONS OF POSSIBLE SERVICE ISSUES
- 14 CUBIC YARD CAPACITY FOR A TRUE 12 YARD MIX WITHOUT SPILLAGE
- POLY-COVERED BLADES
- HIGHEST RATED IN MOBILITY

➤ **UP TO 50% LESS COST TO MOVE THAN RIVAL CENTRAL MIX**

➤ **NO SUB-FOUNDATIONS NEEDED FOR BATCH PLANT**

TM-12 SMART TILT MIXER
MOBILE & STATIONARY

**NO NEED
— TO —
DIG OUT
12'9" TRUCK
CLEARANCE**



THE SMARTEST TILT MIXER



The Vince Hagan TM-12 Smart Tilt Mixer was designed with the end user in mind. Our engineering staff designed a mixer with an unparalleled performance for both stationary and portable environments. The mixer's heavy-duty design ensures longevity for years to come using features like our forged bullring gear. Our engineers have now combined this rugged mixer design with a heavy-duty trailer for ease of portability for those on-site jobs. Our portable trailer is designed to match our Hagan portable batch plants for quick set-up and high production. The mixer is designed for easy access to all moving parts, low maintenance, easy set-up, 12' 9" load clearance, and high production. The Vince Hagan mixer increases the quality of concrete, reduces wear on truck mixers, and increases overall plant production.

“**Smart Mixer**” technology provides and monitors many different vital components on the Vince Hagan 12 cu. yd. Concrete Tilt Mixer. The benefits are quickly justified; having full capability for adjustable parameters, diagnostic reporting and alarm alerts through emails or visual devices at the operation station. The customer can now have the security of knowing the mixer is being serviced and operating at the highest levels of efficiency.

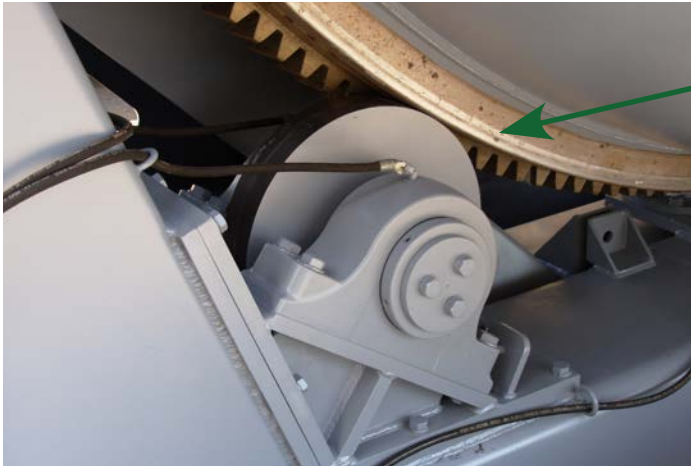
- › Monitors hydraulic system.
- › Monitors amperage of all mixer motors.
- › Sends alerts and emails when a problem starts to occur.
- › Service technicians can remotely troubleshoot equipment.

Wi-Fi Access Point used so Manufacturer & Customer can Communicate with Mixer



Electrical motor control center with complete on-mixer wiring.

HEAVY DUTY COMPONENTS FOR HEAVY DUTY PRODUCTION



Heavy duty drum rollers and forged ring gear provide longer life and reduce maintenance costs.

The aggressive blade design reduces mixing time and ensures a homogeneous mix. The twin 75 HP motors also provide consistent results with low slump concrete.



Hydraulic unit mounted on the trailer with complete plumbing on the trailer and mixer.



Counter balance water tank reduces foundation and installation costs.

MOBILE & STATIONARY TILT MIXER DETAILS

ADVANTAGES

- › Mixer designed to meet or exceed specifications of the Plant Mixer Manufacturer's Division (PMMD) of the Concrete Plant Manufacturer's Bureau (CPMB)
- › 45 sec. mix time @ 1"-3" slump (Paving Use)
- › 30 sec. mix time @ 4"-6" slump (General Use)
- › 14 cu. yd. capacity for true 12 cu. yd. mix of high slump concrete without spillage
- › Twin 75 HP Drives
- › Continuous forged ring gear
- › Significant reduction in foundation requirements

FEATURES

- › Easily accessible for standard maintenance
- › Adjustable cushion return
- › Easily removable cone
- › Adjustable tilt speed with over 60 degree tilt
- › Polyurethane inlet ring/seal for longer life and easy replacement
- › Emergency tilt capability
- › Centralized lubrication points

DIMENSIONS

Stationary TM-12

Weight: 55,000#
Length: 14' 7 1/8"
Width: 17' 3 5/8"
Height: 14' 6"
Water Level: 280 cu. ft.

Mobile TM-12

Weight: 70,000#
Length: 46' 11 1/2"
Width: 12' 0"
Height: 14' 5 1/4"
Water Level: 280 cu. ft.

SPECIFICATIONS

- › The drum is supported by two heavy duty drum rollers with tapered roller bearings. The tilt position is supported by three sets of edge rollers.
- › The 11' diameter drum has 1/2" plate with 3/8" thick cones. Standard 1" polyurethane drum liners and 1" liners are on front face of each blade.
- › The drum is rotated using twin 75 HP drives and tilted using hydraulic cylinders powered by 40 HP power unit.
- › Mobile Mixer Support Stand has 12' 9" drive through clearance when dump hopper and boot are added.
- › Mixer Platform and Ladder to grade. Includes hand rail around the rear of the mixer trailer, with expanded metal flooring and toe board.
- › Dump hopper cone shaped design with back splash/dust shroud. Includes linatex boot.
- › Folding Boot Gate Assembly - includes 4" x 10" air cylinders, single acting valve with boot and clamp.
- › Electrical Package - includes motor starter panel and main line switch disconnect, slump meter, limit switches, control panel with mixer start and stop, tilt and return mounted on a heavy duty frame.



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