

# Leader in Cementers for the Oilfield

Stewart & Stevenson, a leader in Cementers for oil and gas industry applications, custom builds twin and single cementers in truck-mounted, trailer-mounted and skid-mounted configurations. Designed and quality manufactured to meet operating conditions, customer requirements and job profiles, our cementers provide industry leading job performance and reliability.

## Features:

- Recirculating cement mixing systems
- High pressure pumping
- Batch mixing

Stewart & Stevenson's cementing units are powered by four-cycle diesel engines with electronic engine management systems. Skid-mounted onshore-offshore units feature a custom-designed receiver trailer. Trailer-mounted twin pumping units are road legal (non permit).



## Recirculating Cement Mixing System

The cementer's high energy, recirculating cement-mixing system, available with and without automated density controls, provides consistent cement density profiles that meet the most difficult job requirements. A precision mixer, employing proven hardware and advanced mixing technology, produces highly consistent cement slurries. The mixing chamber recirculates slurry during periods of low mix rate operation and adjusts preset mixing energy. Dry cement is fed into the cement-mixing chamber via a hydraulically controlled cement valve from an overhead cement-air separator surge can. The surge can prevents bulk cement pack-off and aerated bulk cement, resulting in consistent bulk flow to the mixing chamber. The cement slurry exits the cement-mixing chamber directly into a recirculating cement mixing tub.

## Smart Mixing System

Stewart & Stevenson's Smart Mixing System with Advanced Density Controller is a fully integrated system that senses, communicates, acts and overcomes the most common problems with cement mixing operations. The Smart Mixing System is responsive to changes in discharge rate, density, cement bulk delivery (bridging), mix water supply, low tank level, overflow, recirculation and boost pressure loss, and hydraulic system failures. The system can be operated either in Automatic mode, Manual

mode through a touch screen, or fully Mechanical mode with a seamless transition at the touch of a button. The Smart Mixing System with the Advanced Density Controller can be offered as a standalone unit or fully integrated with a high-pressure twin-pumping unit.

## Automatic Control System

The Automatic Control System (ACS) features three control modes: Main Automatic Control System, Backup Electrical/Manual and Backup Mechanical/Manual. The Automatic Control System features a computer module, interface touch screen and software that automatically controls the mixing rate and density of the cement slurry. The ACS can be preprogrammed with a minimum of three stages of cement slurry mix before a job begins.

## Central Control Console Panel

A centrally located stainless steel unit control console panel includes all pneumatic, hydraulic and electrical controls and instrumentation for complete operation of the pumping unit during all phases of well servicing operations.

## High Pressure Pumping System

The high pressure pumping system is suitable for pumping inhibited acids, cement slurries, sand laden fluids, crude oil, drilling mud and other well servicing fluids. It features two single-acting, horizontal, positive-displacement triplex pumps.

## Batch Mixing

The batch mixing system produces homogeneous slurry where accuracy is extremely critical, as in extreme arctic, desert or tropical climates.

## Truck, Trailer or Skid

Stewart & Stevenson can provide Cementers in truck, trailer or skid mounted configurations to meet the needs of each customer's operational requirements. Truck units are available on different truck chassis configurations. Trailer mounted units are available in weight legal packages for unrestricted mobility.

## OPTIONS

- Truck, Trailer or Skid Mounted
- Single or Twin Pumps
- Automatic Recirculating Cement Mixing System
- Choice of Chassis
- Caterpillar, Detroit Diesel or Cummins Engines
- Displacement Tank Capacity
- High Pressure Pumping System

## Contact Info:

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