



Tango 500™ - Mud Recycling Systems

KEM-TRON
HDD/Trenchless

Specialists in creating value through solution-oriented packaging, integration and system customization.



1. Centrifugal Pumps

Three centrifugal pumps for mud guns, desilter and transfer operations.



2. Mud Hopper

Fold out hopper table makes chemical loading to the hopper safe and efficient.



3. Hydrocyclones

Six 4" or 5" hydrocyclones for secondary sand and silt removal.



4. Linear Motion Shaker

Hi-"G" Patented Multifunctional Linear Motion shaker operating with high conductance pretensioned screens.



Tango 500S

Tango 500™

With more screen area than any system on the market the Tango 500™ maintains its compact yet user-friendly footprint. Designed with the contractor's interests in mind the Tango 500™ has many unique features along with KEM-TRON's patented multifunctional linear motion shaker. By using the bottom deck of the linear motion shaker as a primary scalper and the top deck as a mud cleaner to handle the underflow from the hydrocyclones the Tango 500™ can clean an amazing 500 GPM in the space of one shaker. Having one shaker that can handle two separate flows allows the cuttings to be discharged in the rear of the unit for easy clean up and minimum space requirements. Used around the world, the Tango system has been customized to handle 500 to 1,000 GPM. KEM-TRON's Tango 350™ is the industry standard when working with the D80 x 100 and JT7020 rigs.

The Tango 500™ System Features:

- 3,000 gallon two-compartment holding tank.
- Hi-"G" Patented Multifunctional Linear Motion Shaker operating with high conductance pretensioned screens. The bottom deck of the shaker acts as a primary scalper and the top deck as a mud cleaner – drying the fine particles from the desilter cones.
- Six 4" or 5" hydrocyclones for secondary sand and silt removal.
- Mud hopper with venturi nozzle to provide shear energy in preparing bentonite mud.
- Two 20 HP centrifugal pumps with mechanical seal for transfer operation and mud mixing. One 25 HP centrifugal pump with mechanical seal for desilter operation.
- Weatherproof control panel and optional generator.
- Special features such as rear discharge, dump valves and drain troughs, allow for working in environmentally sensitive areas.

Chemically Enhanced Mechanical Separation

By combining expertise in both dewatering polymers and solid/liquid separation technologies, KEM-TRON has developed an organization capable of providing complex chemically-enhanced mechanical separation solutions. As a service oriented organization, KEM-TRON's focus is on providing timely value. This value is further enhanced when customers take advantage of KEM-TRON's integration, modularization, and customization capabilities. KEM-TRON will continue to be an industry leader in bringing mobile solutions to the industry's toughest solids management problems.



Tango 500™ - Mud Recycling Systems

KEM-TRON
HDD Industry

Specialists in creating value through solution-oriented packaging, integration and system customization.



Multi-functional Linear Motion Shakers

All KEM-TRON mud recycling systems are based on our patented multifunctional linear shaker.



Modular Solids Management Design

To maximize space, KEM-TRON's packaged treatment systems utilize mud cleaner technology to ensure a small footprint.



Hydrocyclone Manifolds

With a host of desander and desilter options, KEM-TRON can customize each mud cleaner to suit your needs.



Complete Mud Management Systems

By integrating KEM-TRON's mud cleaners with our centrifuges and dewatering systems, we have the resources to provide you a complete solution.

| | |
|---------------------------------|---|
| Model Number: | Tango 500S |
| Equipment Image: | |
| Description: | Six Panel Dual Deck Multi-Functional Drying Shaker with Desilter & Desander |
| Screen Type: | Pretensioned |
| Maximum G-Force: | 7 |
| Centrifugal Pumps: | (2) 20 HP, (1) 25 HP |
| Vibratory Motors: | (2) 2.4 HP (1.8 KW) |
| Number of Screen Panels: | 6 (3 on top & 3 on bottom) |
| Screen Surface Area: | 56 sq. ft. (5.2 m ²) |
| Screen Model: | KPT-28 |
| Maximum Flow Rate*: | Tango 350: 390 gpm (1476 lpm) Tango 500: 480 gpm (1817 lpm) |
| Hydrocyclones: | Tango 350: 6 qty 4" cones Tango 500: 6 qty 5" cones |
| Dimensions: | 20' (6.1 m) x 8' (2.43 m) x 10' (3.04 m) |
| Weight: | 16,000 lbs (7,272 kgs) |
| Tank Capacity: | 3,300 gallon (12,491 liters) |

*Maximum flow rate is dependent on the configuration, number and size of hydrocyclones used.



Tango 500T

Options (Upgrade Packages)

Add a Trailer Mounted System - Add a 16,600 lbs (7,530 kgs), 31' x 8.5' x 13.5' triple axel trailer.

Add a Generator Package - Add an 85 KW diesel generator to provide local electrical power for the shaker and all pumps with an on-board diesel tank.

Add a Trash Pump - Add a 500 gpm (1,893 lpm), 15 HP, 4" submersible pump to the system to collect fluids from a pit to be pumped to the recycling system.

Explosion Proof Configuration - Add a NEMA 7 explosion proof starter box. Replace all motors with explosion proof motors. Explosion proof generator packages not available.

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