



Tango I500HD2™ Mud Recycling System



Tango I500HD2™

The Tango I500HD2 is the flagship product in KEMTRON's trenchless line of packaged mud recycling / cleaning systems. By boasting an impressive 1,500 gallons per minute (95 lps) cleaning capacity, this unit is designed to handle high solids and high viscosity drilling fluid recycling requirements. The Tango I500HD2 features a 9,000 gallon (34,000 liters) hydraulic fluid tank, four linear motion shakers, hydrocyclone desander and desilter manifolds, inset pump compartments along the length of the tank, thus, allowing for easy pump maintenance and reduced excessive piping which causes low head pressure during operation. The above features combined with a telescopic frame, ground level solids hopper with venturi nozzle, and level controls for automated operation, makes the Tango I500HD2 the perfect companion for today's largest Horizontal Directional Drilling rigs.

The Tango I500HD2™ System Features:

- Two (2) Hyper -"G" linear motion shakers with a total of 112 sq. ft. (10.4 m²) of screen area.
- Two (2) linear motion mud cleaner shakers with a total of 56 sq. ft. (5.2 m²) of screen area.
- Three (3) – 500 gpm (32 lps) 10" (30.48 cm) desander hydrocyclones with screen savers and isolation valves.
- Eighteen (18) – 80 gpm (5 lps) 5" (12.7 cm) hydrocyclone desilters with screen savers and isolation valves.
- Two (2) 40 hp 6 x 5 and two (2) 60 hp 8 x 6 250 series centrifugal pumps.
- Three (3) 5 hp 36" top-mounted vertical high-efficiency agitators.
- Fully integrated controls with pendant capable of operating a remote trash pump.
- Space-saving valve-isolated rock boxes with an ergonomic trash pump inlet.
- Direct mud gun line for tank to tank transmission.
- Easy top access to clean tank for sampling.
- 120 volt power access panel and deck lighting.
- HMI touch screen control panel interface with high / low level tank sensors (optional).



Pump Pocket

Pumps inset into tank side for unobstructed access for service and maintenance.



Hopper

Large hopper with 6" venturi nozzle for easy chemical loading.



Agitation

Three (3) top-mounted vertical high-efficiency agitators.



Desander / Desilter

Configured with three (3) 10" Desander and Eighteen (18) 5" Desilter manifolds. Both sets of hydrocyclones feature screen savers.





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Shale Shakers

EEG manufactures high-G linear & balanced elliptical motion shakers.



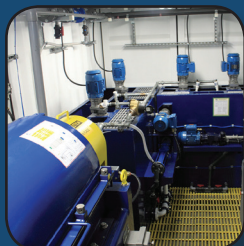
Modular Solids Management Design

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



Decanter Centrifuge

Add a centrifuge to your solids control system for further removal of ultra-fine solids.



Complete Mud Management Systems

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



Model Number:

Tango I500T

Description:	1,500 gpm recycling / cleaning capacity (95 lps)
Screen Type:	Pretensioned KPT-28 Series
Centrifugal Pumps:	(2) 6 x 5 40 hp & (2) 8 x 6 60 hp 250 Series Pumps
Linear Motion Shaker Motors:	(2) 2.4 hp & (2) 1.5 hp
Number of Screen Panels on Single Deck Shakers:	3 each (single deck) 28 sq. ft. (2.6 m ²) total screening area
Number of Screen Panels on Double Deck Shakers:	6 each (3 on top & 3 on bottom) 56 sq. ft. (5.2 m ²) total screening area
Screen Surface Area:	168 sq. ft. (15.61 m ²) total on four shakers
Desilters:	(18) 5" (10.16 cm) high durameter polyurethane
Desanders:	(3) 10" (25.4 cm) high durameter polyurethane
Maximum Flow Rate:	1,500 gpm (95 lps)
Dimensions:	L 56' (17 m) x W 8' (2.4 m) x H 12.5' (3.8 m)
Weight:	78,000 lbs (35,380 kg)
Tank Capacity:	9,000 gallon (34,000 liters)

Additional Features:

- Dual axel trailer with two (2) 30,000 lb axels distributes load evenly.
- Schedule 40 piping hydrostatically tested prior to shipment resulting in improved quality.
- 1/4" ASTM A36 plate steel, with full seam welded, industrial coated construction improving corrosion resistance.
- Phenolic-lined interior tank to expand tank life & minimize corrosion.
- 6" venturi hopper with working table. Hopper discharge diverted away from tank suction conveniently located at ground level, eliminating the need for material handling on the top deck.
- Seven (7) 5/8" high-velocity mud guns for supplementing tank agitation.
- Fitted with a 250 kW stand-by (225 kW prime) premium-grade generator with extended life diesel tank.
- Uniform working surface across entire working deck to minimize trip hazards.
- Entire upper deck fully surrounded by an OSHA compliant walkway and railings.

Upgrade Options:

- For superior fluid cleaning capacity add a KEMTRON decanter centrifuge and create the perfect closed loop environment.
- Add a 600 gpm (38 lps) triplex pump package to maximize mud system integration and performance.
- Upgrade to High-G vibrator motors to increase effective G-force from 5.5 G's to 7.0 G's
- Winterization Package - Add full canopy structure to upper deck and pump pockets to protect from elements and immersion tank heaters to severe cold climate environments and



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