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## **MPCT-1500** **Drill Fluid Mixing, Pumping & Cleaning System**

### **Trailer Section**

3ea. 25k dual tandem axles  
Air Brakes  
Extra bracing in tank floor for added strength  
3" square tubing running around the top edge of the tank for structural stability  
All open areas of the floor are covered with bar grating & diamond plate  
12,000 hydraulic landing legs

### **Mixing System**

High shear/low pressure mixing hopper with Sack table integrated on to hopper  
High shear submersed jet guns in both tanks allow stirring of clean & dirty tanks if needed  
Independent valves to isolate hopper and jet guns to fine tune your mixing requirements

### **Mud Pump**

Mud Tech MTP-475 Pump mounted on unit with diesel engine sized to this pump, standard transmission, drive line, all safety guards, and a ratio reduction unit (volume: 723 gpm @ 1,100 psi)  
Low voltage electrical remote controls with 100 feet of cable to perform the following:  
Throttle the engine  
Clutch the transmission

### **Electrical**

480 volt / 210kw / 3 phase generator  
Safety shutdowns on engine & generator  
IEC rated main electrical box with safety overloads  
110-volt regulated power outlet  
On/Off switch with 100 ft remote for supercharge to mud pump

### **Tank Section**

6,500 gallon capacity (approximate) 3-section tank  
Large easy clean outs  
1" bar grating covering the top of tank for safety

### **Cleaning System**

Four high G force linear shakers  
-Two scalping shakers  
-One Desilting shaker  
-One Desanding shaker  
Three - 10" cones with 74 micron cut points  
Sixteen - 5" cones with 20 micron point cuts  
Over 100 sq./ft. screening area  
Accepts large variety of screen mesh sizes  
1,500 + gpm cleaning capacity

### **Centrifugals**

Two - 60 hp 250 series electric centrifugal pumps to pressure feed hydrocyclones  
One - 40 hp 250 series electric centrifugal pump to pressure feed hopper and jet guns  
One - 40hp 250 series electric centrifugal pump to pressure feed supercharge

### **Paint**

Sand blasted and painted with high solids industrial paint for added durability

### **Optional**

\*Undercoating for added durability

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