SPECIFICATIONS

GENERAL	TITAN 8	TITAN 10
Cutting Depth (Max)	Ranging from 27.5ft (8m) up to 50ft (15.25m) in 7.5ft (2.25m) intervals	
Length	58ft - 6in (17.83m)	59ft - 5in (18.1m)
Height w/o Spuds	11ft - 10in (3.4m)	
Width	14ft - 1in (4.29m)	
Dry Weight	58,000lbs (26,304kg)	62,500lbs (28,350kg)
Draft w/o Spuds	28in (711mm)	30in (762mm)
Fuel Capacity	800 U.S. Gallons (3,050L)	
CUTTER		
Power	36.4 HP (27.1kW)	56.16 HP (41.9kW)
Speed (Maximum)	41 RPM, Bi-Directional	
Diameter (ID)	28in (711mm)	31.5in (800mm)
PUMP		
Suction Pipe	10in (254mm)	12in (305mm)
Discharge Pipe	10in (254mm)	12in (305mm)
Capacity (Water @68° F)	4,200 GPM (15,900L/min) @ 222ft Head	5,985 GPM (22,650L/min) @257ft Head
Material	High Chrome Cast Iron	High Chrome Cast Iron

ENGINE				
Type	Caterpillar	John Deere	Caterpillar	Cummins
Model	C9.3	6090	C13	QSX15
Power	375 BHP (280kW) @1900 RPM	375 BHP (280kW) @1900 RPM	536 BHP (400kW) @1900 RPM	509 BHP (380kW) @1700 RPM
Emissions Rating	US EPA Tier 4 Final / EU Sage V	US EPA Marine Tier 3	US EPA Tier 4 Final / EU Sage V	US EPA Marine Tier 3

SPUDS	
Length	33ft - 6in (10.21m)

PONTOONS	
Description	Full length formed steel with integral bulkheads and stiffeners for added rigidity. Foam filled or with optional man holes

Specifications subject to change without notice

November 2022

Titan 1027 Shown

We Make Revenue Flow

Titan 1027 Shown

1125 N. Maitlen Dr.
Cushing, OK 74023
1-800-762-2257
1-918-225-7000
www.vmidredges.com
info@vmi-dredges.com

TITAN SERIES CUTTER SUCTION DREDGES

TITAN 8 & TITAN 10

Titan 1027 Shown

DREDGE TITAN

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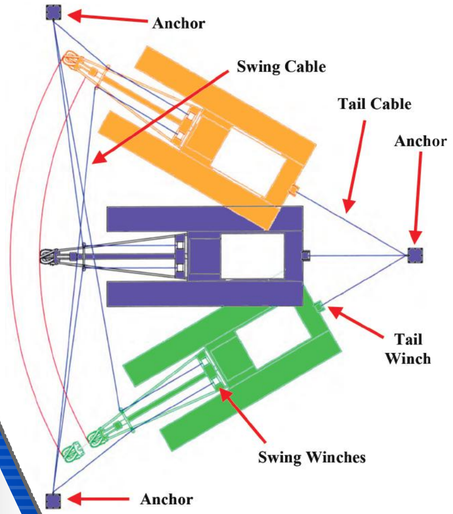
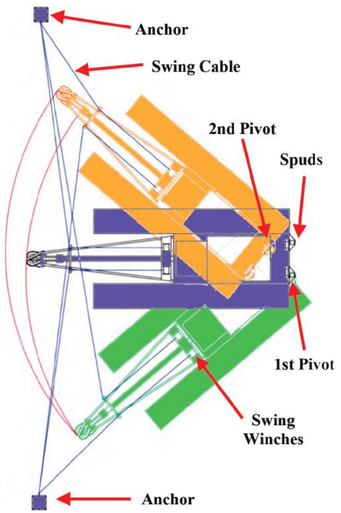
Titan 1027 Shown

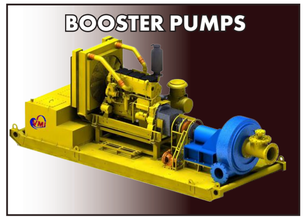
Tail Winch Setup

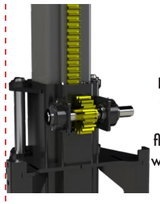


Spud Setup



OPTIONS





Spuds/Tail Winch

Rack and pinion spud drives eliminate the use of cable to lift and lower the spuds. The rack and pinion provides positive force in both upward and downward directions. Hinged spud holder doors allow the spuds to be quickly and easily installed and removed. Free float allows the spuds to adjust to changing water levels when not in use. An optional tail winch can be provided to pivot and anchor the rear of the dredge.

Hydraulic System

VMI's cutting-edge smart hydraulic system utilizes high efficiency axial-piston pumps to power hydraulic components while minimizing energy waste and excess heat. Load sense technology monitors hydraulic system demand and adjusts flow to meet the exact power requirements at any instant. Enhanced filtration and dedicated hydraulic tanks extend the life of all hydraulic mechanisms.

Boom Lift

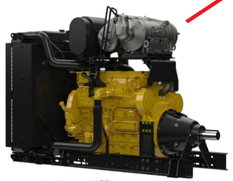
The boom may be lifted and lowered by use of either hydraulic cylinders or a winch cable system depending on boom length. Hydraulic cylinders provide the advantage of additional downward force on the cutter head, increasing cutting efficiency.

Power Units

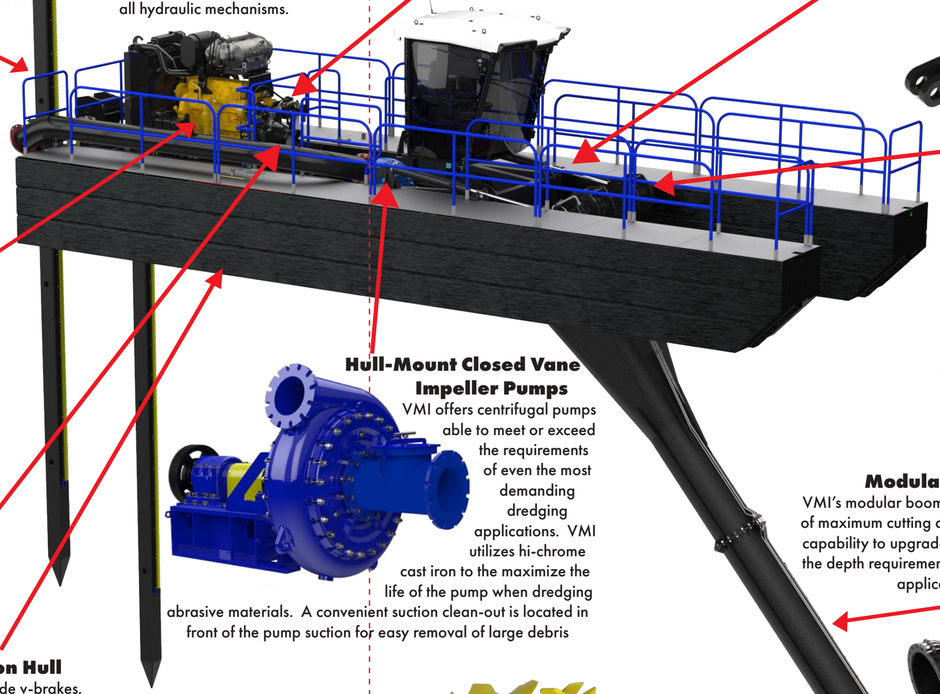
VMI offers John Deere, Cummins and Caterpillar diesel engines. Multiple emissions options are available to meet your emissions requirements.

John Deere Engine

Cummins Engine

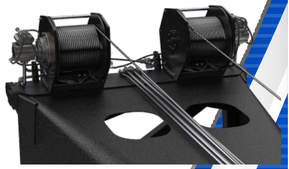


Caterpillar Engine



Swing Winches

Heavy-duty swing winches provide plenty of pulling power and cable capacity to dredge in tough conditions. The swing winches are mounted directly to the boom to maximize the cutting force and reduce stress against the boom pivot pins.



Hull-Mount Closed Vane Impeller Pumps

VMI offers centrifugal pumps able to meet or exceed the requirements of even the most demanding dredging applications. VMI utilizes hi-chrome cast iron to the maximize the life of the pump when dredging abrasive materials. A convenient suction clean-out is located in front of the pump suction for easy removal of large debris

Heavy-Duty PTO

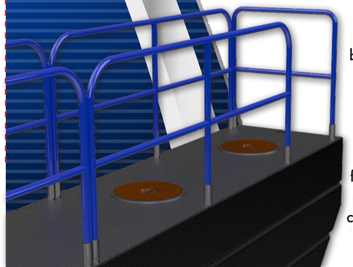
VMI uses a heavy-duty hydraulically engaged PTO to maintain the transfer of power to the dredge pump.

Modular Boom

VMI's modular boom allows for a range of maximum cutting depths as well as the capability to upgrade your Titan to meet the depth requirements of your dredging application.

Rigid Pontoon Hull

VMI's pontoons include v-brakes, internal cross bracing and multiple baffled compartments for increased rigidity. The pontoon seams are continuously welded and factory tested for leaks. Each individual compartment may either be fitted with a man hole or foam filled for floatation safety. The bottom of the pontoons are provided with a skid channel to allow the dredge to slide.



Cutter Head

A variety of cutter heads are available to meet your dredging needs. Whether you are dredging sand, gravel, or mud VMI can offer a cutter head to meet your digging requirements. Cutter drives are fully variable both forward and reverse allowing you to adjust the cutter rpm for various dredging conditions.