

Titan, the smarter way to manage solids control.

Built for today's more demanding drilling applications, the Titan centrifuge delivers high-capacity separation with consistent, dependable performance. Its compact, rugged design fits seamlessly into modern rig layouts while handling variable drilling conditions with ease. When equipped with Brandt AI's intelligent control capabilities, Titan further enhances precision and efficiency by continuously tuning performance in real time.

Visit nov.com/brandt to learn how Titan can enhance your operations.



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Brandt

Titan

Advanced solids control solutions for today's rigs





High-performance equipment, built for precision, safety, and automation.

The Titan™ centrifuge system represents the next generation of solids control technology. Designed with a focus on efficiency, reliability, and operator safety, our Titan centrifuge reduces rig footprint, maximizes throughput, and delivers the finest cut points in the industry.

Built to drive faster, more predictable solids control performance, Titan's large-bowl, high-volume design accelerates processing while still fitting easily into space-restricted rig layouts. Crews gain safer, more efficient access during routine service through a spring-assisted lid that opens from either side of the skid, reducing downtime and simplifying daily operations. To lower maintenance costs and extend equipment life, the improved T-Conveyor minimizes internal wear and vibration by using fewer, larger nozzles designed for high-flow applications. Titan maintains peak separation efficiency across a full variable-speed range, ensuring consistent results even at maximum flow rates. And with an optional smart controller providing real-time monitoring, remote access, and a full maintenance archive through the Max™ Portal, operators gain greater visibility and confidence in their solids control performance.

Centrifuges

Large bowl, high-volume centrifuges engineered for the finest cut point in the market, compact rig footprints, and advanced safety features.

Conveyors

Improved T-conveyor designs with fewer, larger nozzles for high-flow applications. The design reduces wear, vibration, and fluid disturbance while enhancing reliability.

Controllers and monitoring systems

Smart controllers that provide monitoring capabilities, remote access, and performance data integration through the Max™ platform.

Automation integration

Automation-ready equipment enhanced by Brandt AI technology. These systems enable real-time optimization, remote monitoring, and expert support, reducing downtime and improving performance under changing drilling conditions.

Core features of Titan centrifuge

Compact, light size

- 45 in. wide footprint allows two centrifuges per stand.
- Lighter than the previous centrifuge, reducing shipping and offshore costs.
- Narrow skid profile, scalable for any size operation.

Improved T-conveyor design

- Self-cleaning conveyor with fewer, larger nozzles for high-flow applications.
- Reduced internal wear, vibration, and mud disturbance.
- Proprietary nozzle design cuts fluid velocity and minimizes wall cake formation.

Finest cut point on the market

- Full variable-speed operation for maximum flow rates.
- Precisely engineered for consistent, improved cut points.

Spring-adjustable lid

- Accessible from either side of the skid.
- Easily operated by one person.

Safety-focused design

- Gearbox containment to mitigate axial movement.
- Automatic shutdown protections for axial vibration and torque overloads.

Centrifuge automation powered by Brandt AI

Intelligent optimization

Titan centrifuges integrated with Brandt AI continuously adjust bowl speed, scroll speed, and feed rate using real-time sensor feedback. Operators can select target “recipes,” such as low-gravity solids removal or mud weight management, eliminating trial and error while maintaining peak performance.

Performance monitoring

All operating data is logged and connected to the secure NOV Max™ platform, providing real-time visibility, daily summaries, and performance reports. This ensures fluid decisions are data-driven and inefficiencies such as idle time or off-target cut points are quickly identified.

Operator support and efficiency

- Enables one operator to manage multiple centrifuges across sites.
- Reduces downtime, screen wear, dilution, and unnecessary diesel use.
- Allows rig personnel to focus on high-priority rig tasks, while Brandt AI handles optimization.

Remote expertise

NOV experts can remotely access the system for troubleshooting, tuning, or maintenance recommendations. Every decision is supported by live data and expert insight, even without an experienced centrifuge operator onsite.

Real-world results:

Offshore efficiency gains

During recent offshore trials, the Titan centrifuge equipped with Brandt AI reduced downtime events and optimized mud recovery. Crews reported improved cut point consistency and lower dilution costs, translating directly into reduced operational expense.

Onshore high-volume drilling

In high-volume land drilling operations, the Titan centrifuge delivered maximum throughput without compromising cut point. By leveraging Brandt AI automation, operators maintained steady performance under fluctuating drilling conditions, achieving better solids control with fewer manual adjustments.



Titan Centrifuge Specifications

Length	196 in. (4978.4 mm)
Width	59½ in. (1501.77 mm)
Height	51¾ in. (1304.92 mm)
Weight	14030 lb (6363.90 kg)
Bowl diameter	21 in. (533 mm)
Bowl length	72 in. (1829 mm)
Maximum bowl speed	3000 RPM
Typical bowl speed	2400 RPM
Maximum processing capacity	550 gal/min (2082 L/min)
Drive type	Variable Frequency Drive (VFD)
Maximum G-force	2684

Rotating assembly	
Conveyor pitch	6.25 in. (158.75 mm) (Beach Section) 4 in. (101.6 mm) (Cylindrical Section) for T style; 6.25 in. (158.75 mm) for L style
Conveyor type	Single
Feed chamber discharge	4 nozzles (T style), 12 nozzles (L style)
Gearbox type	Planetary
Gearbox ratio	75:1

Power Requirements	
Main drive motor	150 hp (112 kW)
Back drive motor	40 hp (30 kW)
Voltage	460 VAC standard (380, 480, 575 VAC optional)

