

# DESILTER

»»» Xi'an, China

energy  Q1  
Registered  
Manufacturer

## THE MACHINE WORKS BY USING

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### Maximize Drilling Efficiency with the TRCN100-16N Mud Desilter

An Industry-Leaning Mud Cleaning Solution

A widely trusted solution in the field,  
the TRCN100-16N Mud Desilter features  
exceptional hydrocyclone performance.



DESILTER

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**TRCN100-12N** Mud Desilter The hydrocyclone consists of a cylindrical upper section with a tangential feed inlet and a central overflow tube, connected by a reinforced hoop to a conical lower section which terminates in an apex discharge nozzle.

**THE TRCN100-16N** mud desilter is a complete system equipped with 100mm polyurethane hydrocyclones, a mud trough, a distribution manifold, an electric motor, an underflow shaker, a structural base, and all necessary connections.



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As a tertiary solids control device in drilling operations, the desilter removes 20-40µm fine solids from drilling fluid. Through years of practical application and continuous improvement, this model delivers reliable technical performance and excellent processing results.

Its hydrocyclones are known for their long service life and stable operation, making them suitable for a wide range of oilfield drilling applications.

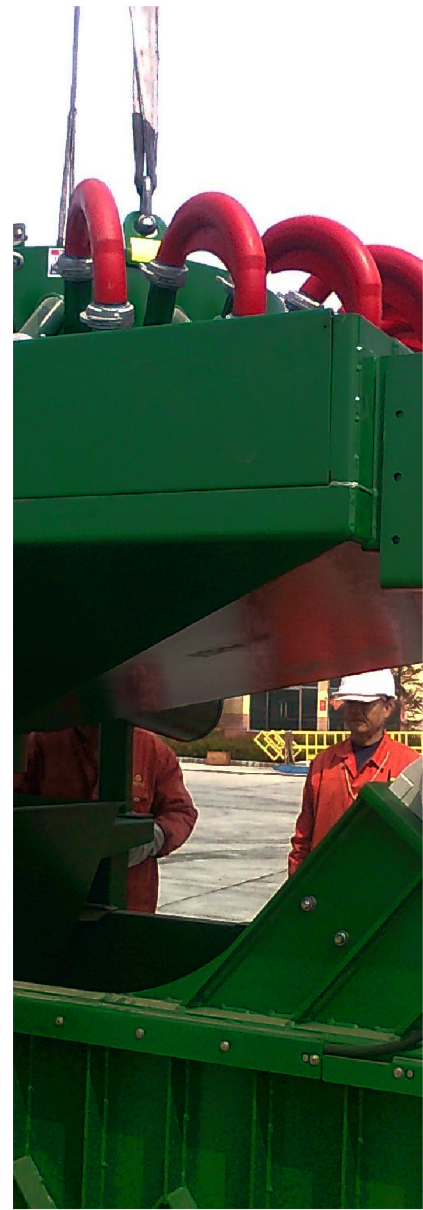


DESILTER

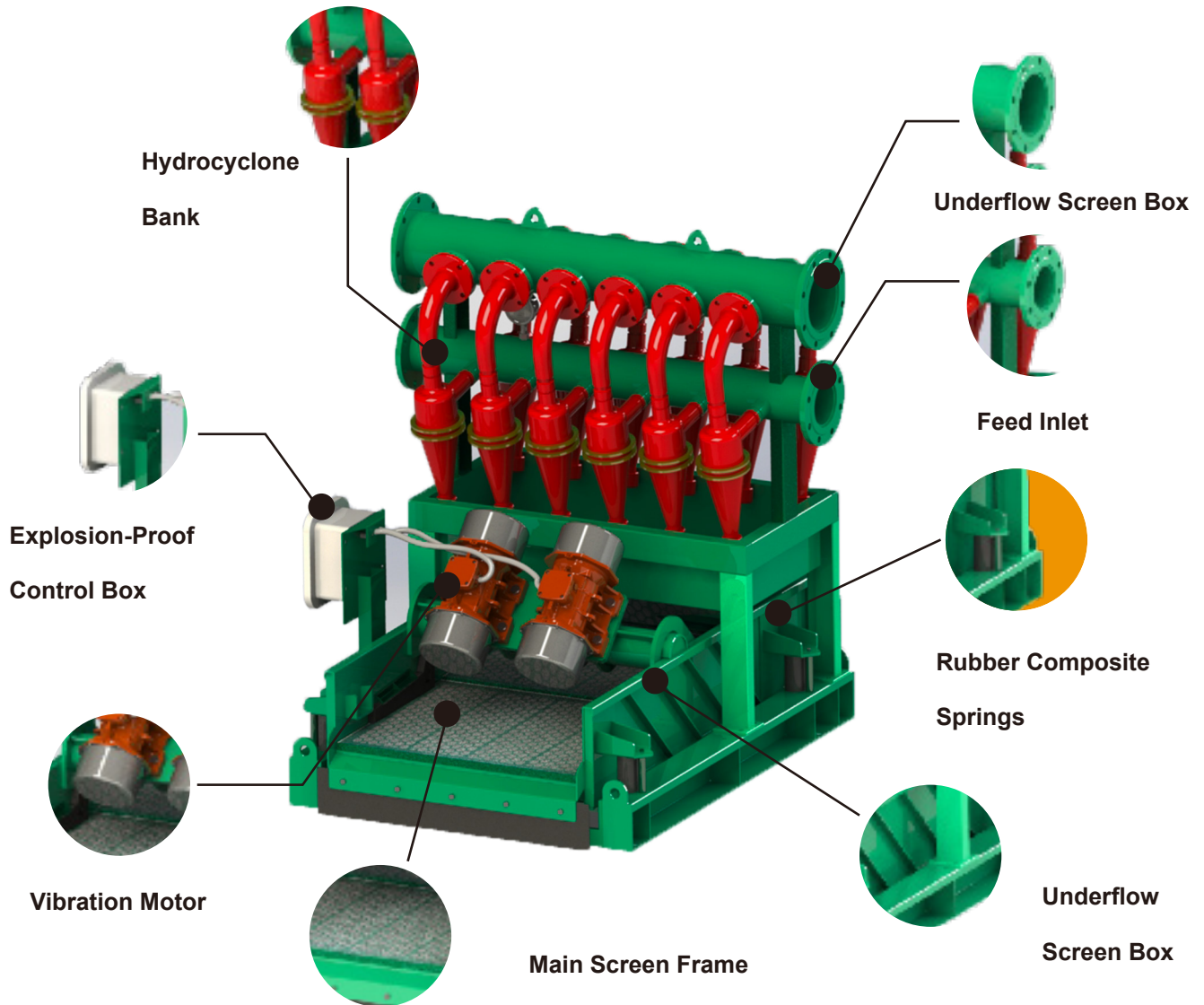
## THE MACHINE WORKS BY USING

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- **Deck:**  
Full deck heat treatment for enhanced durability.
- **Corrosion Protection:**  
Coated with heavy-duty anti-corrosion paint.
- **Vibration Dampening:**  
Utilizes high-strength composite rubber springs to absorb shock and reduce noise.
- **Connections:**  
Inlet and outlet ports feature quick-connect couplings for fast setup.
- **Control System:**  
Explosion-proof electrical control box equipped with premium-brand components.
- **Wear Resistance:**  
Hydrocyclones are constructed from highly wear-resistant polyurethane and high-chromium iron.
- **Drive:**  
Powered by internationally renowned brand vibration motors (Martin or OLI).



# DRILLING FIURD DESILTER COMPONENTS

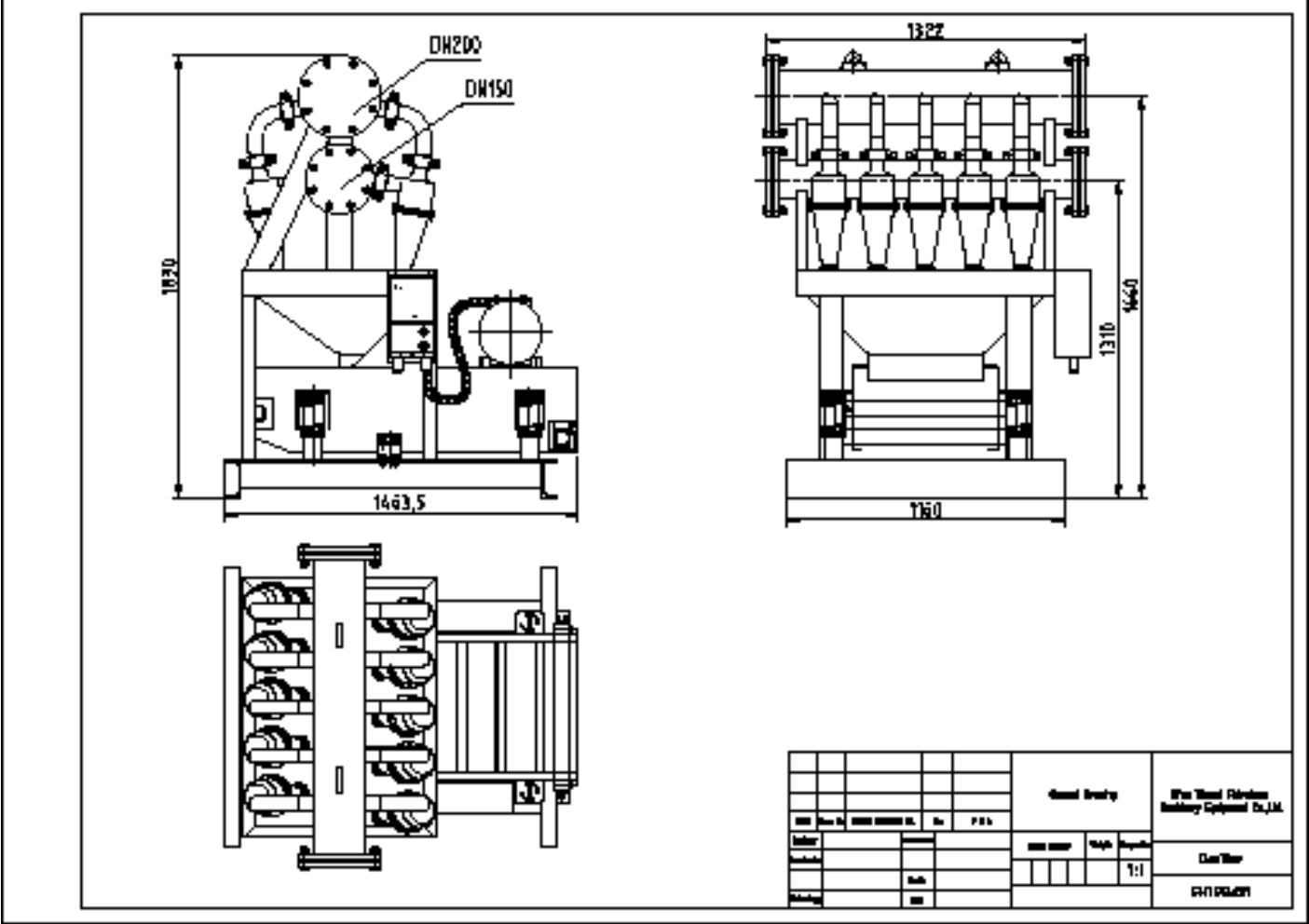


## APPLICATIONS

Our mud desilters are extensively used in:

Oil & Gas Drilling , Drilling Waste Management, Oil Sludge Dewatering Systems, Coal Bed Methane (CBM) , Solids Control , Horizontal Directional Drilling (HDD) , Micro-Tunneling , City Bored Piling , Mining and Tunneling Construction , Environmental Protection Projects , Water Well Drilling

# DESILTER DIMENSIONS



## COMPETITIVE ADVANTAGES

- 1.We offer superior products at market-leading prices.
- 2.Efficient production ensures quick delivery.
- 3.We provide a variety of payment options to suit our clients' needs.
- 4.Our team provides timely technical support and service.
- 5.Most components are compatible with equivalent international brands for easy replacement.
- 6.Our products have been successfully exported to numerous countries, including the USA, Australia, Argentina, Romania, UAE (Dubai, Abu Dhabi), Egypt, Pakistan, Iran, India, Indonesia, Vietnam, and Malaysia.



## TECHNICAL DATA OF TRCN SERIES MUD DESILTER

Model	TRCN100-4N	TRCN100-6N/8N	TRCN100-12N/16N	TRCN100-20N
Capacity	60m <sup>3</sup>	90m <sup>3</sup> /120m <sup>3</sup>	180m <sup>3</sup> /240m <sup>3</sup>	300m <sup>3</sup>
Cyclone Specs	4"			
Cyclone Qty	4 pcs	6pcs/8pcs	12pcs/16pcs	20pcs
Working Pressure	0.25-0.4Mpa			
Inlet Size	DN100mm	DN125mm	DN150mm	DN150mm
Outlet Size	DN125mm	DN150mm	DN200mm	DN200mm
Separation Point	15μm -44μm			
Bottom Shaker	TRZS60	TRZS60	TRZS752	TRZS703
Dimension	1510*1160*2000mm	1510*1360*2250mm	1835*1230*1810mm	2770*1785*1810mm
Weight	550kg	560kg/580kg	1150kg	1950kg
Remark	All desilter could be customized without bottom shaker.			

We are a technology-driven team passionate about innovation and quality service.

We are exclusively dedicated to our field, constantly striving for excellence and pursuing continuous improvement.

Through great innovation and a commitment to doing things differently, our mission is to become the most trusted manufacturing enterprise in China.



**Xi'an Tianrui Petroleum Machinery Equipment Co., Ltd.,**  
established in 2010, is a modern manufacturer of solids  
control equipment certified to both API Q1 and ISO 9001  
standards.

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