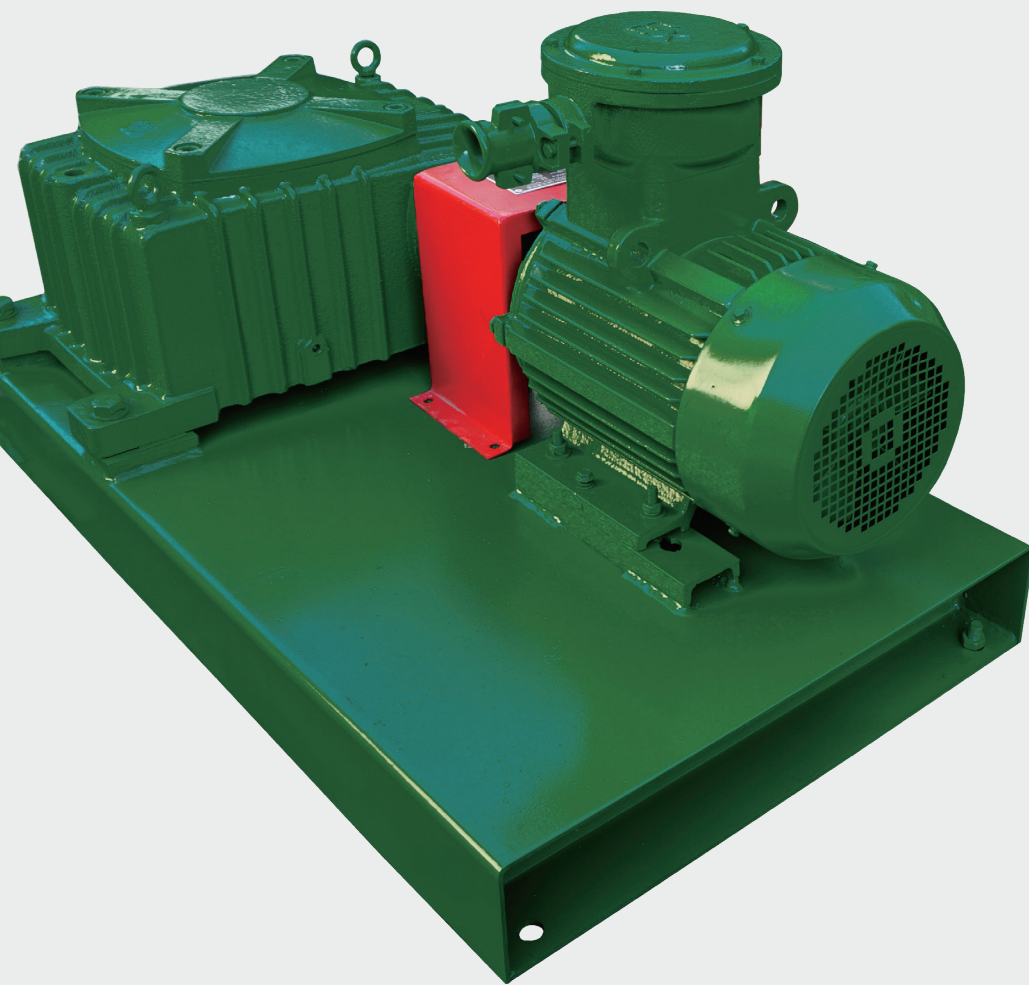


MUD AGITATOR



 Xi'an, China

energy  Q1
Registered
Manufacturer

MUD AGITATOR

Mud agitator is an important part of the rilling-fluid solids control system. TR Solids Control provides both vertical and horizontal mud agitators. Our horizontal agitators are available in coupling-type and direct-drive type configurations.

Drilling Mud Agitator

Mud agitator is an important part of the drilling-fluid solids control system.

The agitator is mounted on a drilling fluid tank, with its impeller submerged to a specific depth below the fluid surface to stir the fluid. This process ensures the drilling fluid is mixed evenly and prevents solid particles from settling. By maintaining uniform suspension, the agitator improves solid-phase dispersion and increases viscosity and gel strength.

This ensures the drilling fluid meets required specifications, provides the necessary properties for the drilling process, and contributes to smooth, efficient drilling operations.



MIXER



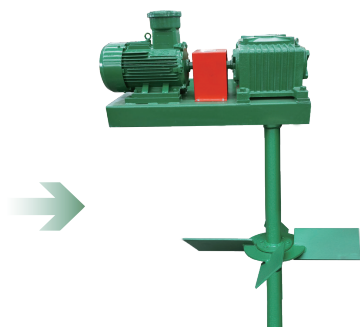
Inline mixer



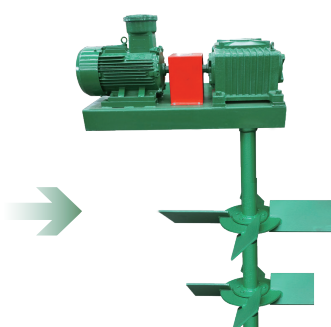
New type mixer



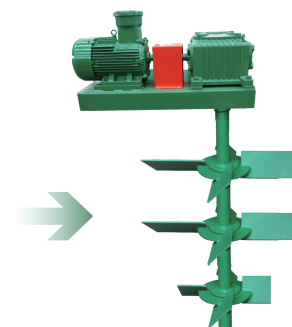
Direct connection mixer



Single leaf



Shuangye



Three leaves

MUD AGITATOR

TR SOLIDS CONTROL PROVIDES BOTH VERTICAL AND HORIZONTAL AGITATORS.

Horizontal mud agitators are divided into coupling-type and direct-drive types. For optimal performance, we recommend the direct-drive type agitator.

The drilling mud agitator is an ideal device for stirring and mixing liquids, as well as preventing solids from settling in the mixture.

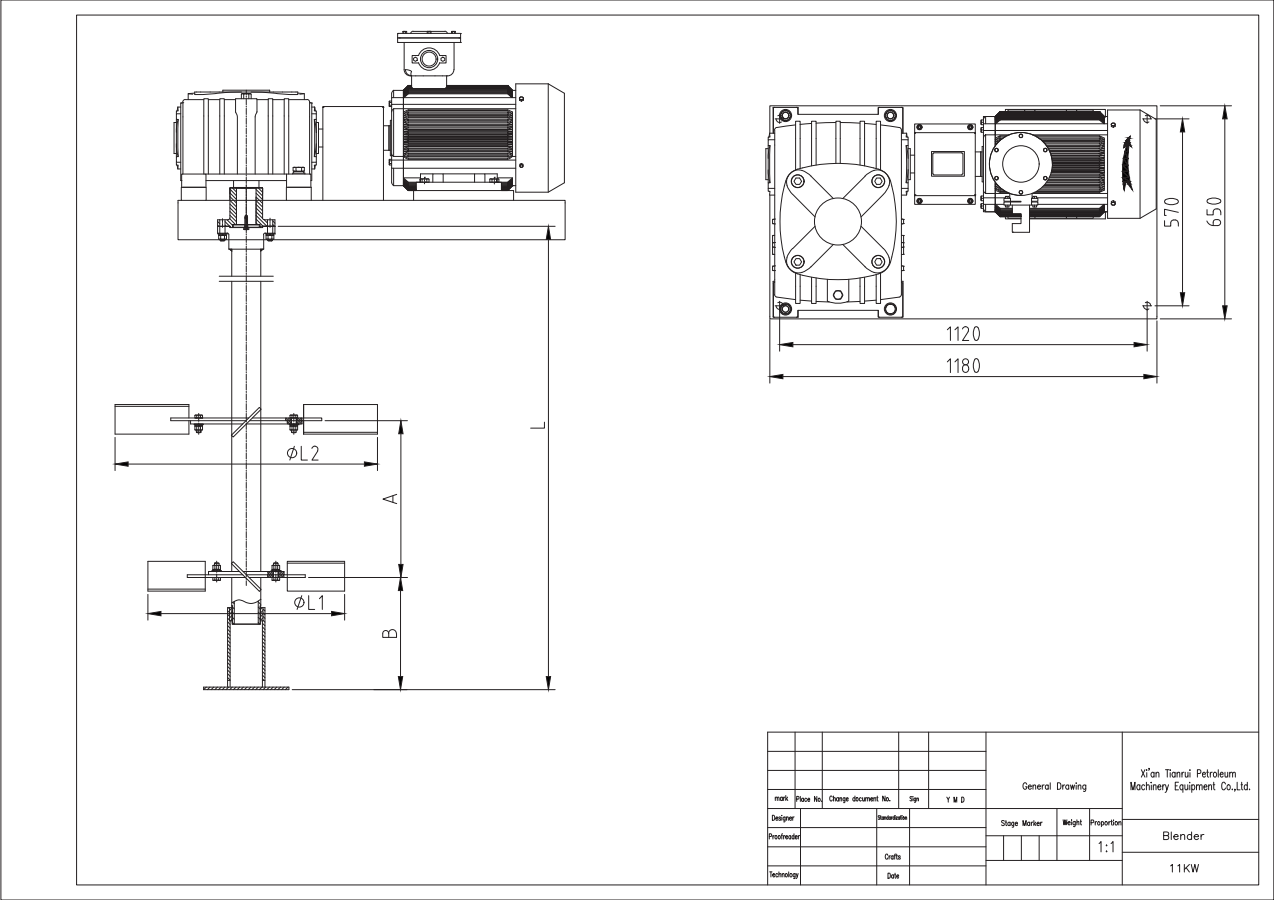
Advantages of drilling Mud agitator

- **Robust Gearbox:**
Features a worm gear design that provides superior scuffing resistance and enhanced reliability.
- **Stable Operation:**
The motor and gearbox can be connected via a coupling or direct-drive, ensuring stable agitation speed.
- **Efficient Cooling:**
Excellent heat exchange performance allows for faster cooling.
- **Quiet Operation:**
Runs at a lower noise level (decibels) for a better working environment.

MUD AGITATOR

- **Customizable Design:**
Shaft and blade configurations are customizable to meet specific needs.
- **Durable & User-Friendly:**
Highly durable, as well as easy to install, operate, and maintain.
- **Wide Applicability:**
Suitable for use in a wide variety of demanding operating conditions.

Agitator size drawing



MUD AGITATOR

Drilling Fluids Agitator Technical Parameters

Model	TRJBQ3	TRJBQ5.5	TRJBQ7.5	TRJBQ11	TRJBQ15	TRJBQ22
Motor	3kW(3.9hp)	5.5kW(7.2hp)	7.5kW(10hp)	11kW(15hp)	15kW(20hp)	22kW(28.6hp)
Impeller Speed	60/72rpm	60/72rpm	60/72rpm	60/72rpm	60/72rpm	60/72rpm
Single Impeller	600mm	850mm	950mm	1050mm	1100mm	1100mm
2 Layer Impeller	N/A		Higher:800mm Lower:800mm	Higher:850mm Lower:850mm	Higher:950mm Lower:950mm	Higher:950mm Lower:950mm
Ratio	25:1	25:1	25:1	25:1	25:1	25:1
Dimension	717×560×475	892×700×597	980×750×610	1128×840×655	1158×840×655	1270×1000×727
Weight	155kg	285kg	310kg	425kg	440kg	820kg
Shaft Length	According to tank internal height					
Frequency	380V/50HZ or 460V/60HZ or Customizable					
Remark	Shaft and impeller will be provided by TR, but not including in the weight & dimension.					



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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