



青岛创梦仪器有限公司

Qingdao ChuangMeng Instrument Co., Ltd.

翻转式配浆机



使用手册

Instruction Manual

版本 1.0

Version 1.0

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请你仔细阅读《使用手册》，正确掌握本产品的安装和使用方法。阅读后请将本《使用手册》妥善保管，以备今后进行检修和维护时使用。

Carefully read this User Manual to learn how to install and use the product correctly. After reading, properly keep the User Manual as a reference for future maintenance and repair.

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1、概述 Summary

钻井液的性能不但与它的组份及其相互作用有关。而且与配浆装置，配浆方法及条件有关。因此要得到一个正确的检验结果必须将配浆设备，配浆方法及条件全部标准化。

创梦仪器生产的翻转式配浆机是一种广泛应用于油田实验室、地质、冶金、及大专院校、科研院所的标准化配浆仪器。

采用翻转式结构设计，使用灵活方便，主轴转速采用无极调速、转速稳定、起动力矩大。控制部分采用先进数字控制电路，保证了其特性工作曲线的平稳，并使其受搅拌介质的影响降至了最低。

The performance of drilling fluid is not only related to its components and their interactions. And it is related to the mixing device, mixing method, and conditions. Therefore, in order to obtain a correct inspection result, it is necessary to standardize all the mixing equipment, mixing methods, and conditions.

The flip type slurry mixing machine produced by Chuangmeng Instrument is a standardized slurry mixing instrument widely used in oilfield laboratories, geology, metallurgy, as well as universities and research institutes.

Adopting a flip structure design, it is flexible and convenient to use. The spindle speed adopts stepless speed regulation, with stable speed and large starting torque. The control part adopts advanced digital control circuits to ensure the smoothness of its characteristic working curve and minimize its influence from the stirring medium.



2、型号及规格 Model and Specs

型 号	名 称	配 置
1630	翻转式配浆机	10L

3、技术参数 Technical Parameter

序号	名 称	技术参数
1	额定电源 power supply	220V 50Hz
2	搅拌功率 Mixing power	0.6KW
3	转速 Speed	0~3000r/min （无极调速）
4	外形尺寸 Outer Dimensions	360×270×595mm

4、结构及原理 Structure and principle

（一）仪器结构 Instrument structure：：

采用翻转式设计，为无极调速，体积小、搬运方便。外壳及整套系统选用优质不锈钢材料制成耐用，抗腐蚀。

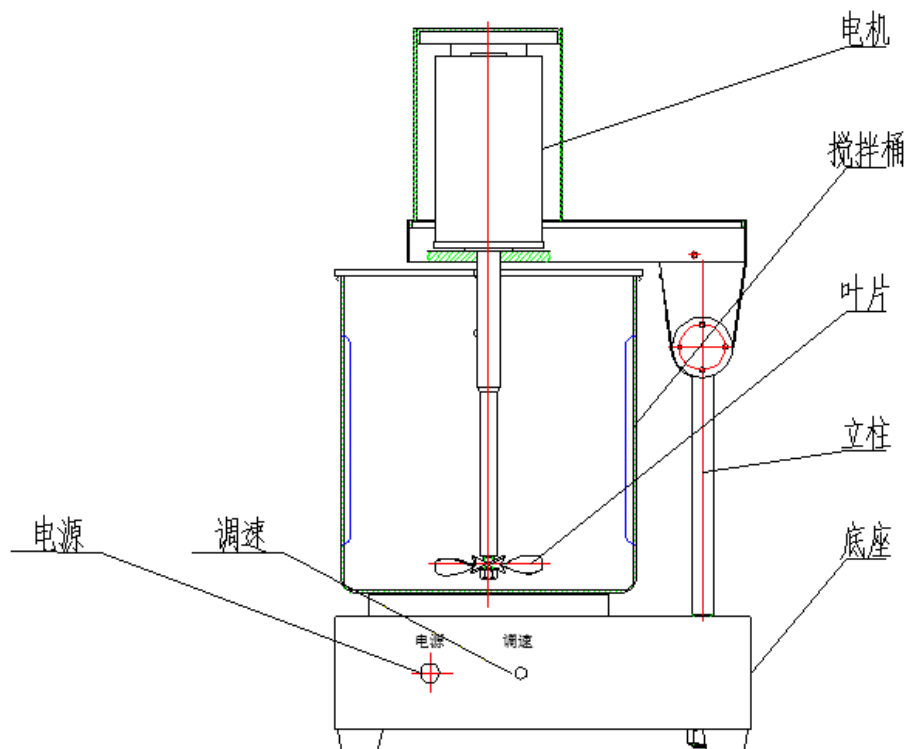
Adopting a flip design for infinite speed regulation, it has a small size and is easy to transport. The shell and the entire system are made of high-quality stainless steel materials that are durable and

corrosion-resistant.

（二）工作原理 Working principle:

将样品按规定比例倒入桶内，通过搅拌桶进行搅拌，同时，可调节搅拌速度，在充分搅拌状态下，使液体各部密度相同。

Pour the sample into the bucket according to the specified ratio, stir it through the mixing bucket, and adjust the stirring speed to ensure that the density of each part of the liquid is the same while fully stirring.



（图一）翻转式配浆机结构图

5、操作 Operate

1、 将配制的样品倒入（图一）搅拌桶内。

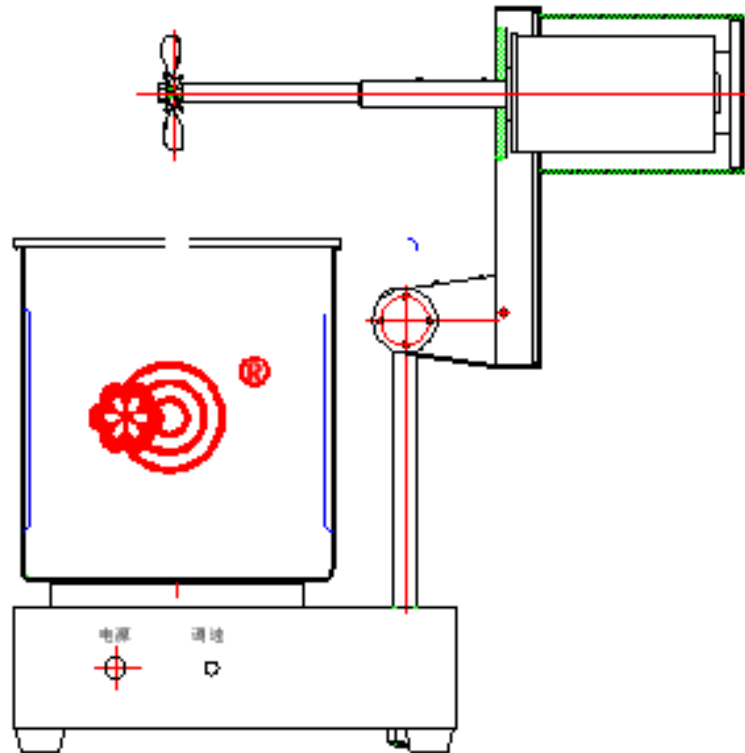
Pour the prepared sample into the mixing bucket (as shown in Fig 1).

2、 电机向上翻转至止动位置，把搅拌筒放入底座旋转固定，再把电机按翻转方向逆向恢复原位，连接电源后按动开关，转动调速旋钮，再按下此开关，搅拌电机停止工作。搅拌电机工作时可根据需要随时调整搅拌速度。

Flip the motor up to the stop position, place the mixing drum in the base for rotation and fixation, then reverse the direction of rotation to restore the motor to its original position, connect the power supply, press the switch, rotate the speed control knob, and press the switch again to stop the mixing motor from working. The mixing motor can adjust the mixing speed as needed at any time during operation.

3、 搅拌结束，待搅拌轴完全停止后关闭电源，翻转电机至止定位置，拿下搅拌筒然后翻转电机复位。（图三）

After the mixing is completed, turn off the power after the mixing shaft has completely stopped, flip the motor to the stop position, remove the mixing drum, and reset the flipping motor. (Fig 3)



(图三) 操作示意图

- 4、 搅拌结束后。应及时拔掉电源并擦拭机器。

After the mixing is completed. The power should be unplugged and the machine should be wiped in a timely manner.

- 5、 定期检查电器元件是否正常。

Regularly check if electrical components are functioning properly.

6、 维护与保养 Maintenance

操作步骤如下 The operation steps are as follows:

- 1、 实验员熟悉全部操作过程和操作时可能出现的情况。

The experimenter is familiar with the entire operation process and the possible situations that may occur during the operation.

- 2、 打开固定搅拌筒的底座，检查电器元件是否正常。



Open the base of the fixed mixing drum and check if the electrical components are functioning properly.

3、 打开电机护罩检查电机及线路是否正常。

Open the motor cover and check if the motor and wiring are normal.

4、 检查（图一）中联接螺帽是否松动。

Check if the connecting nut in Fig 1 is loose.

5、 维修和移动仪器时应切断电源，方能排除故障和移动。

When repairing and moving instruments, the power should be cut off in order to troubleshoot and move them.

6、 搅拌轴不得碰撞，以免弯曲变形，损坏仪器。

The mixing shaft must not collide to avoid bending and deformation, which may damage the instrument.

7、 每次使用完毕后，应及时将仪器擦拭干净，放置干燥环境内。

After each use, the instrument should be promptly wiped clean and placed in a dry environment.

7、故障的判定与排除 Troubleshooting procedures

故障	原因	排除方法
电机不转	①电源插头接触不良。 ②按键开关故障。 ③电机部分故障	①检查电源是否正常，插头压线是否牢靠，接插金属簧片弹性是否有效，重新按装电源插头。 ②检查按键开关触点是否接触，接线片有无松脱，线头有无齐根折断。 ③检查电机压线头是否接触良好，电机的电容是否正常。



青岛创梦仪器有限公司 装箱单

Qingdao Chuangmeng Instrument Co., Ltd. Packing list

生产企业：青岛创梦仪器有限公司

Manufacturing enterprise: Qingdao Chuangmeng Instrument Co.,Ltd.

生产地址：青岛市城阳区流亭街道兴海路 3 号

Production address: No. 3 Xinghai Road, Liuting Street, Chengyang District, Qingdao

主机型号：

Model :

出厂编号：

Manufacturing No:

序号	编号	名称	单位	数量
1		主机	台	1
2		料桶	个	1
3		电源线	根	1



产品合格证

Product Quality Certificate

出厂编号:

Manufacturing No:

产品名称: Description:	
产品型号: Model:	
检验标准: Standard:	
生产日期: Date of Manufacture:	
产品编号: Product Code:	

结论: Conclusion:

经检验, 青岛创梦仪器有限公司生产的产品符合上述标准的要求。准予出厂。
After inspection, Qingdao Chuangmeng Instrument Co., Ltd The products produced meet the requirements of the above standards. Approved for delivery.

本企业通过: IS0014004 环境管理体系认证;
IS09001:2015 质量管理体系认证;
IS018000 职业健康安全管理体系认证质检科;

QC Department: