



# 青岛创梦仪器有限公司

Qingdao Chuangmeng Instrument Co. Ltd.

## 高速搅拌机 High speed mixers



## 使用手册

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。

Please read the Instruction Manual carefully, for correctly grasping the installation and using method of this product. Please keep properly this Instruction Manual after reading, for the usage during troubleshooting and maintenance in the future.

联系方式 Contact:

邮编 Zip code: 266100

网址 Website: [www.qdcmyq.com](http://www.qdcmyq.com)

电话 Tel: 86-0532-66993768

传真 Fax: 86-0532-66993744

邮箱 E-mail: [cmtech@sina.com](mailto:cmtech@sina.com)

公司地址: 中国·青岛市市北区温州路 7 号

生产基地: 青岛市城阳区流亭街道兴海路 3 号

Address: No. 7 Wenzhou Road, City Northern District, Qingdao City, China

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

## 一、概述

1611 高速搅拌是由青岛创梦仪器有限公司生产，是石油勘探、钻井业的专用实验设备。主要用于钻井液基浆的配置。采用无级调速，由电源调速器面板处数字显示实际搅拌转速。搅拌叶片采用 API 标准制作。结构简单合理可靠，具有启动力矩大，调速方便、可靠等特点。

## 二、参数

名称	高速搅拌机
型号	1611 (GJ-3S)
电源	220V AC 50/60Hz
功率	180W
调速范围	1000~11000r/min±15%
搅拌体积	500ml
环境温度	~40℃
环境湿度	10~85RH%
外形尺寸	280×220×430mm

## 三、面板分布图

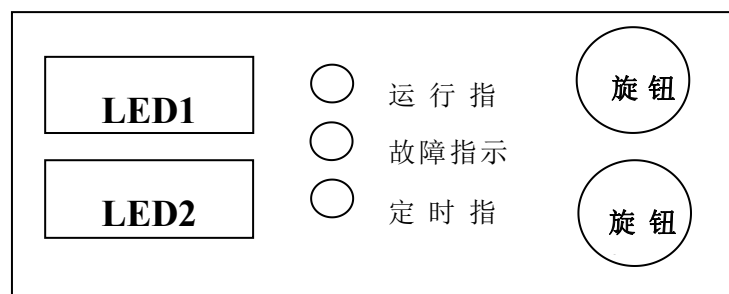


图 1

## 四、操作

定时模式

- 1)接 220V 电源。
- 2)在设备停止状态下按下旋钮 2（白色旋钮向前按下），定时指示灯常亮，进入定时模式，定时范围：0.5min 至 20min。最小调整跨度为 1s。
- 3)旋转旋钮 2 设定定时时间，LED2 中显示运行时间设定值，向右旋转为增大，向左旋转为减小。当缓慢旋转旋钮时，每次增/减 1s；当快速旋转旋钮时，每次增/减 10s。
- 4)旋转旋钮 1 设定工作转速，LED1 中显示工作转速设定值，向右旋转为增大，向左旋转为减小，当缓慢旋转旋钮时，每次增/减 10r/min；当快速旋转旋钮时，每次增/减 100r/min。
- 5)按下旋钮 1 启动，运行指示灯常亮，设备开始运行，3-5 秒达到设定的工作转速。
- 6)搅拌器开始旋转时，LED2 中显示的运行时间按秒减少，当运行时间减少至 0 时，设备自动停止运行，运行指示灯熄灭。
- 7)运行过程中按下旋钮 1 可使设备进入暂停状态，此时设备停止运行，LED2 中显示的运行时间停止减少，保持当前值；再次按下旋钮 1 可使设备继续按照原先设定的工作转速运行，当设备运行至设定的工作转速后，LED2 中显示的运行时间继续按秒减少。
- 8)运行过程中旋转旋钮 1 可修改工作转速设定值。
- 9)当信号线未插上时或松动时，故障报警指示灯亮，搅拌器停止旋转。关闭搅拌器电源，插上航空插头，重新上电。

注：仪器运行时严禁用手触碰搅拌叶片

## 五、维护

- 1)清洗各部件并干燥待用，仪器置于干燥环境中。
- 2)移动、维修或保养仪器时。要轻拿、轻放，以免造成部件变形影响精度和使用。
- 3)搅拌轴不得碰撞，以免弯曲变形，损坏仪器。
- 4)电动机和调速器要定期检查，严禁将腐蚀性化学药品与本机同存放。
- 5)搅拌叶片重量低于 5.1 克需更换。
- 6)故障灯亮时，检查线路、传感线是否连接上，如没连接上重新插接，还不运转请专业人员维修。

## I . Summary

The high-speed mixer produced by Qingdao Chuangmeng Instrument Co., Ltd. is mainly used for the allocation of drilling fluid-based slurry. Stepless speed regulation is adopted, and the actual stirring speed is displayed by the digital display of the power governor panel. Mixing blades are made according to API standard. The structure is simple, reasonable and reliable. It has the characteristics of large starting moment, convenient speed regulation and reliability.

## II . Parameter

Name	High speed mixers
Model	1611 (GJ-3S)
Power Supply	220V AC 50/60Hz
Power	180W
Speed range	4000~11000r/min±15%
Stirring volume	500ml
Ambient temperature	~40℃
Ambient humidity	10~85RH%
Shape size	280×220×430mm

## III. Panel distribution diagram



(Figure 1)

## IV. Operation

Timer mode:

1) Connect 220V power supply.

2) Press knob 2 (white knob press forward) when the equipment is stopped. The timing indicator light is always on and enters the timing mode. The timing range is 0.5 minutes to 20 minutes. The minimum adjustment span is 1 s.

3) Rotating knob 2 sets the timing time, LED 2 shows the running time setting value, rotating to the right increases, rotating to the left decreases. When the knob is rotated slowly, it increases/decreases by 1s each time; when the knob is rotated rapidly, it increases/decreases by 10s each time.

4) Rotating knob 1 sets the working speed, LED 1 shows the setting value of the working speed. Rotating to the right increases and to the left decreases. When rotating knob slowly, it increases/decreases by 10 r/min each time; when rotating knob rapidly, it increases/decreases by 100 r/min each time.

5) Press the knob 1 to start, the running indicator is always on, the equipment starts to run, and achieves the set working speed in 3-5 seconds.

6) When the mixer starts to rotate, the running time shown in LED 2 decreases by seconds. When the running time decreases to 0, the equipment automatically stops running and the running indicator lights go out.

7) Pressing knob 1 during operation can make the device enter a suspension state, when the device stops running, the running time shown in LED 2 will stop decreasing and keep the current value; Pressing knob 1 again can make the device continue to operate at the original set working speed, and when the device runs to the set working speed, the running time shown in LED 2 will continue to decrease by seconds.

8) Rotating knob 1 during operation can modify the working speed setting value.

9) When the signal line is not inserted or loosened, the fault alarm indicator lights up and the agitator stops rotating. Turn off the power supply of the agitator, plug in the air plug and re-energize.

Note: It is strictly forbidden to touch the agitating blade with hand when the instrument is running.

## **V.Maintenance**

- 1)Clean all parts and dry.The instrument is placed in a dry environment.
- 2)When moving, repairing, or maintaining the instrument.Be careful so as not to cause parts distortion, affect accuracy and use.
- 3)The mixing shaft is not collided.So as not to bend the deformation and damage the instrument.
- 4)The motor and governor should be checked regularly.It is forbidden to put corrosive chemicals together with mixers.
- 5)The weight of the mixing blade is less than 5.1 grams and needs to be replaced.
- 6)When the fault lights are on, check whether the line and sensor line are connected.If there is no connection to re insert,It is not working yet. Please repair it by professional.

**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 of the main motor:

出厂编号：

Manufacturing No:

序号 NO	编号	名称及规格 Name and specification	单位	数量 Quantity	备注 Remarks
1		整机 Complete machine	台	1	
2		调速装置 Speed regulating device	台	1	
3		皮带 Belt	根	2	
4		盛液杯 Liquid cup	只	1	
5		使用说明书 Instruction Manual	份	1	
6		合格证 Certificate	份	1	
7		装箱单 Packing list	份	1	