



# 非洲的稻米加工适用技术

APPLICABLE RICE PROCESSING TECHNOLOGY IN AFRICA

浙江齐鲤机械有限公司  
ZHEJIANG QILI MACHINERY CO., LTD.





稻米加工工艺

Rice Processing Technology

非洲稻米加工现状与适用技术

Current Situation and Applicable Technology of  
Rice Processing in Africa

愿景

Prospect

浙江齐鲤机械有限公司是稻谷、小米等谷类加工设备专业制造企业。产品遍布全国各地，并出口东南亚、南亚、西亚、东欧、非洲、中美洲、南美洲等五十多个国家和地区。

Zhejiang Qili Machinery Co., Ltd. is a professional manufacturer of cereal process equipment such as rice, millet and corn. The company's products throughout China, and exported to Southeast Asia, South Asia, West Asia, Eastern Europe, Africa, Central America, South America and other more than 50 countries and regions.



# 稻米加工工艺 - 蒸谷米加工工艺流程

Rice Processing Technology

---Parboiled Rice Processing Process Flow

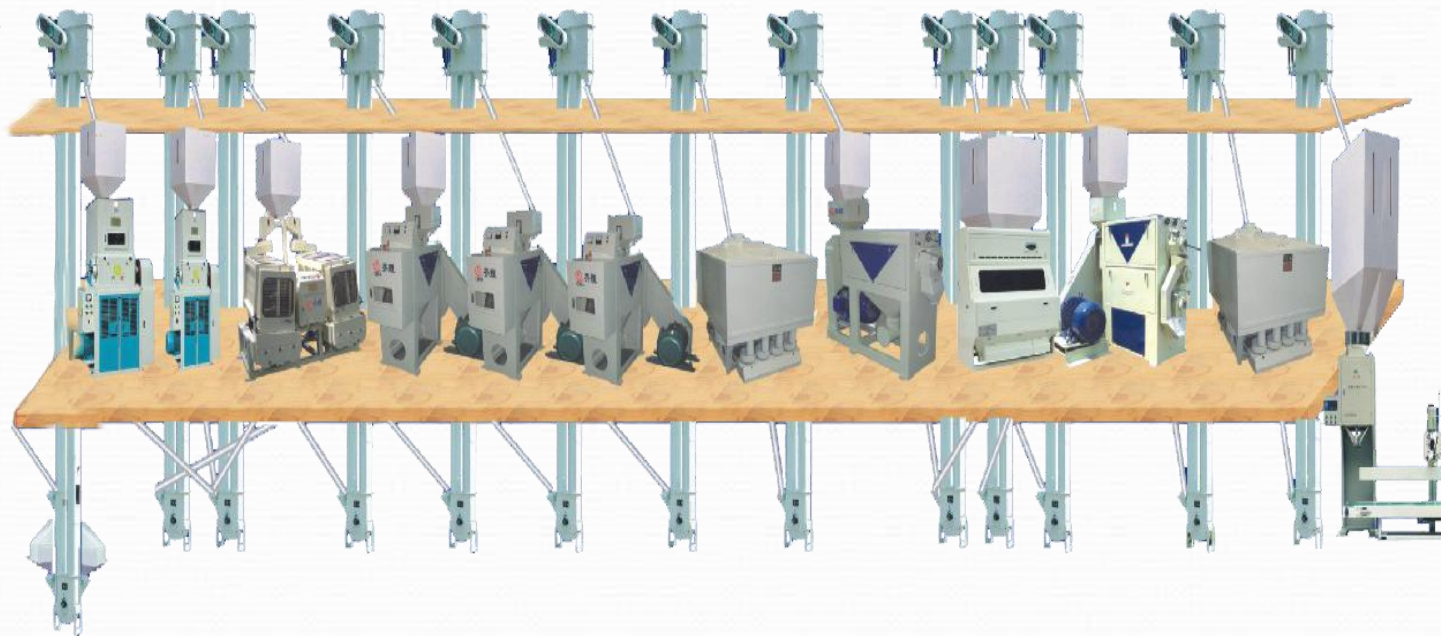
清理 Paddy cleaning → 浸泡 soaking → 蒸煮 boiling → 烘干 drying → 冷却 cooling

砻谷 paddy hulling → 谷糙分离 paddy separating → 未成熟粒分离 immature grain separating → 碾白 brown rice whitening

分级 rice grading → 抛光 rice polishing → 色选 different color grain separating → 称重包装 Quantitative packaging



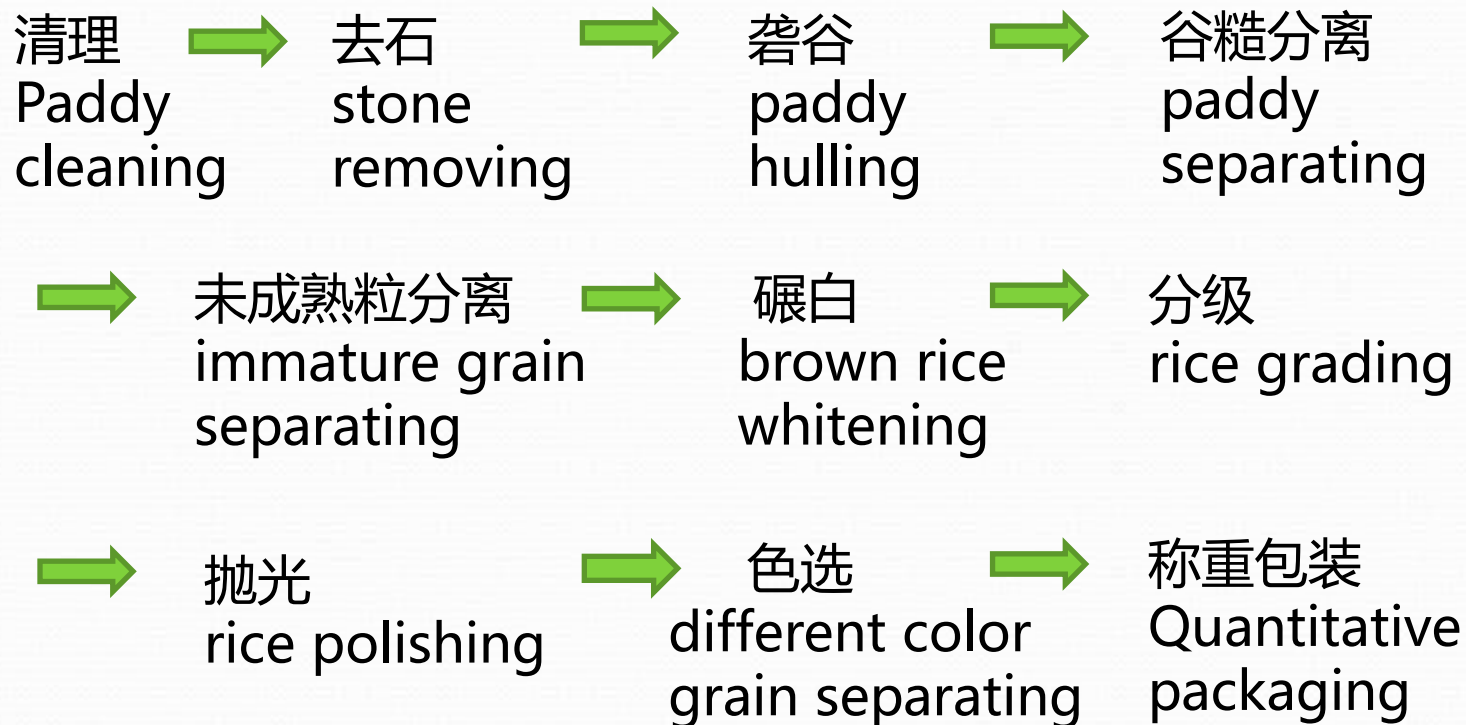
蒸煮工段  
Parboiling  
Section

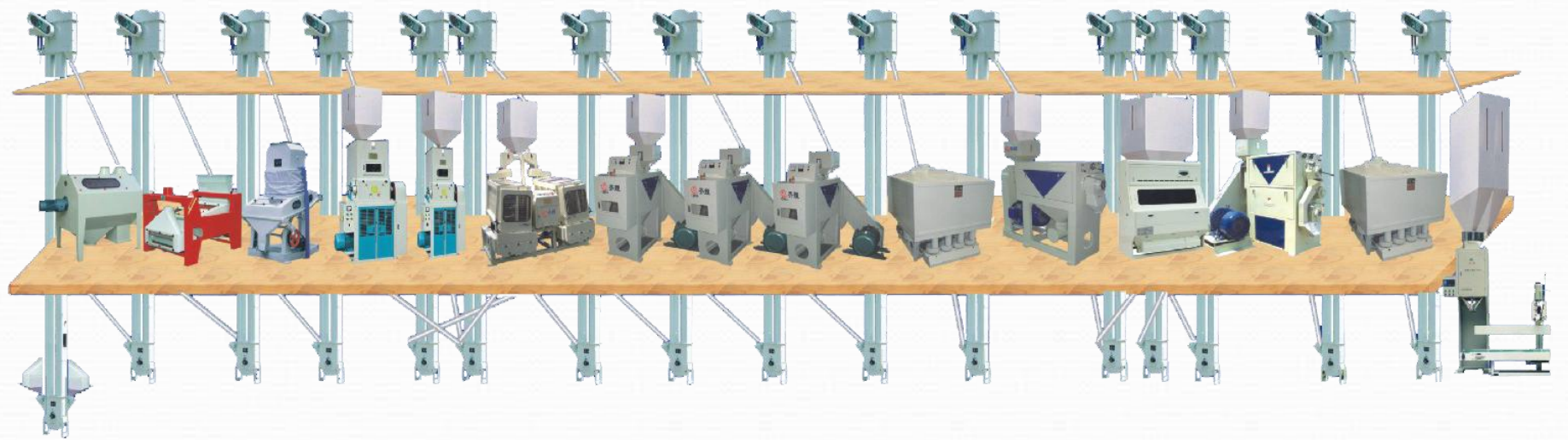


# 稻米加工工艺 - 稻米 (非蒸谷米) 加工工艺流程

Rice Processing Technology

---(Non-Parboiled Rice) Processing Process Flow







# 非洲稻米加工现状与适用技术

## Current Situation and Applicable Technology of Rice Processing in Africa

### 稻米加工现状：

非洲大陆各个区域稻米加工差异较大，以非洲西部为例，主要有以下四种加工工艺：

Current situation of rice processing: There are a big differences in rice processing in various regions of the African continent. taking West Africa as an example, there are four main processing technologies:

#### 1、用研钵与臼打击的方式：

manner to use a mortar & pestle striking

The

加工费时，成品破碎比例较大，含杂质较多。

low efficiency, almost broken for finished rice and with more impurities contained.

## 2、砉碾组合米机

Combined hulling and milling machine

砉谷碾米一次完成，加工效率偏低，成品破碎比例较大，含杂质较多。

One time to finish paddy hulling & brown rice milling, low efficiency, high broken rate with more impurities in finished rice.





### 3、小型碾米组合设备

#### Small rice milling combined equipment

这种小型组合设备，生产大米每小时产量在800-1500公斤，设备对厂房高度要求不高，占用空间较小，使用动力较低，操作简单，且出米率明显高于前两种加工方式。大米的品质相应提高。

the small combined equipment with an output from 800kg/h to 1500 kg/h, a low required for the workshop, small space taking up, low power using, operating simply, and the rice yield is obviously higher than the previous two processing methods. The quality of rice has improved accordingly.













## 4、中大型加工生产线

### Medium and large scale rice milling line

中大型加工生产线一般指生产大米每小时在3000公斤以上的成套碾米设备，这种稻米加工线工艺比较完整，出米率高，品质好。当然，资金投入、占地面积、用电总功率较大，需要专业的操作工人。

the medium and large scale rice milling line refers to a complete set of rice milling equipment that processing capacity is more than 3000 kg per hour. This kind of rice milling line has a complete technology with a large yield and a high finished rice quality.





生产大米4000公斤/小时  
Capacity 4000kg/h Rice Milling Line



生产大米5000公斤/小时  
Capacity 5000kg/h Rice Milling Line





生产大米6000公斤/小时  
Capacity 6000kg/h Rice Milling Line



生产大米6000公斤/小时  
Capacity 6000kg/h Rice Milling Line

## 稻米加工适用技术（西部非洲为例）

Applicable technology for rice processing (West Africa)

小型碾米组合设备之一

one of the small rice milling combined equipment

小型碾米组合设备包括清理、去石、砻谷、谷糙分离、碾白、分级六道工序，结构紧凑，布局合理，适应性强，大米品质能够满足居民的需求。

have six process steps for the small combined equipment , namely, paddy cleaning, stone removing, paddy hulling, separating for paddy & brown rice, brown rice whitening and rice grading. It has compact structure, reasonable layout and strong adaptability



## 谷糙分离

Separating for Paddy&Brownrice

碾白

Brown Rice Whitening



分级

Rice Grading

砻谷

Paddy Hulling

清理去石

Paddy Cleaning&Stone Removing

砻谷

谷糙分离

碾白

Paddy Hulling

Separating for  
Paddy&Brownrice

Brown Rice Whitening



清理去石

碾白

分级

Paddy Cleaning&Stone Removing

Brown Rice Whitening

Rice Grading

## 小型碾米组合设备之二

The second of the small rice milling combined equipment

小型碾米组合设备之一的配置上，增加了色选、抛光，定量包装三道工序。工艺更加完善。

On the basis one of the small combined equipment, to add three processes which namely rice polishing, color sorting and quantitative packaging, and the the process is more complete.

性能与优点：

Performance and Advantages:

1. 大幅提高大米成品的品质 保质期更长久。

Have a higher quality for finished rice

2. 提高生产效率

Improve processing efficiency

定量包装

抛光

色选

quantitative packing

polisher

color sorter





# 愿景： Prospect

交流、合作、创新、共进！

Exchange Cooperation Innovation Common Progress!





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**谢谢**

**THANKS**