领先，因为不断向前
Keep ahead, as constantly move forward
2002 years
We devoted ourselves to the R&D and production of the first-generation CMOS color sorter in China mainland.

2005 years
We devoted to the research and development of control system based on DSP chip, applied the Fuzzy Control Theory to the color sorter industry, and successfully developed the first-generation CMOS color sorter with control system based on DSP chip in China.

2011 years
We had the good fortune to work with the most advanced color sorter supplier in the world, participated in the R&D, production, sales and management, mastered core technology of the most advanced color sorter in the world and management concept.

2014 years
We assembled a passionate, innovative, ideal team which mastered the advanced technology of color sorter and set up Hefei Longbow Optoelectronic Technology Co., Ltd. in Hefei, China.

2014 years
Registered the “LONGBOW” trademark.

2015 years
Launched Longbow US series rice color sorter.

2016 years
Launched Longbow CS series multi-function color sorter.

2017 years
Launched Longbow CCS series multi-function color sorter.

2018 years
Launched Longbow CR series rice color sorter.

2019 years
Launched Longbow MINI series intelligent multi-function color sorter.
智慧服务体系
Intelligent service system

系统卫士 System Guard
智能算法 Intelligent algorithm
自动校正 Automatic rectification
定点除尘 Targeted dedusting

全彩高精相机
High resolution full color camera
5400CCD传感器
5400 CCD sensor
高清工业镜头
High definition industrial lens

人机交互系统 Human–computer interaction
系统自检 Automatic System Check
图像抓取 Image Capture
全息影像 Holographic Imaging
一键智能 One–key Automation

识别专家 Identification expert
大小识别 Size identification
边缘识别 Edge identification
纹理识别 Texture identification
形状识别 Shape identification
色选精度极高100%
Sorting accuracy infinitely close to 100%

分选大师 Sorting master
高强喷嘴
High quality ejector
靶向定位
Target orientation
智慧光源
Intelligent lighting source
### Product Parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>Throughput (T/h)</th>
<th>Sorting Accuracy (%)</th>
<th>Impurities</th>
<th>Voltage (V)</th>
<th>Dimensions (W<em>H</em>D) (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINI1</td>
<td>64</td>
<td>&gt;99.9</td>
<td>&gt;30.1</td>
<td>220/380</td>
<td>922<em>135</em>1675</td>
<td>260</td>
</tr>
<tr>
<td>MINI2</td>
<td>128</td>
<td>&gt;99.9</td>
<td>&gt;30.1</td>
<td>220/380</td>
<td>1232<em>853</em>1625</td>
<td>450</td>
</tr>
</tbody>
</table>

The parameters are determined by test of mung beans (contamination rate under 3%). Specific parameters will be altered according to specific material and contamination rate on site of customers.

### Product Parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>Throughput (T/h)</th>
<th>Sorting Accuracy (%)</th>
<th>Impurities</th>
<th>Voltage (V)</th>
<th>Dimensions (W<em>H</em>D) (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCS5</td>
<td>192</td>
<td>&gt;99.9</td>
<td>&gt;35.1</td>
<td>220/500</td>
<td>174<em>164</em>2030</td>
<td>1000</td>
</tr>
<tr>
<td>CCS4</td>
<td>256</td>
<td>&gt;99.9</td>
<td>&gt;35.1</td>
<td>220/500</td>
<td>216<em>164</em>2030</td>
<td>1200</td>
</tr>
<tr>
<td>CCS6</td>
<td>300</td>
<td>&gt;99.9</td>
<td>&gt;35.1</td>
<td>220/500</td>
<td>248<em>164</em>2030</td>
<td>1350</td>
</tr>
<tr>
<td>CCS5</td>
<td>384</td>
<td>&gt;99.9</td>
<td>&gt;35.1</td>
<td>220/500</td>
<td>280<em>164</em>2030</td>
<td>1500</td>
</tr>
<tr>
<td>CCS7</td>
<td>440</td>
<td>&gt;99.9</td>
<td>&gt;35.1</td>
<td>220/500</td>
<td>312<em>164</em>2030</td>
<td>1650</td>
</tr>
<tr>
<td>CCS8</td>
<td>512</td>
<td>&gt;99.9</td>
<td>&gt;35.1</td>
<td>220/500</td>
<td>343<em>164</em>2030</td>
<td>1750</td>
</tr>
<tr>
<td>CCSB</td>
<td>640</td>
<td>&gt;99.9</td>
<td>&gt;35.1</td>
<td>220/500</td>
<td>392<em>164</em>2030</td>
<td>1950</td>
</tr>
</tbody>
</table>

The parameters are determined by test of peanuts (contamination rate under 3%). Specific parameters will be altered according to specific material and contamination rate on site of customers.
产品参数

<table>
<thead>
<tr>
<th>型号</th>
<th>电流</th>
<th>处理量（kg/h）</th>
<th>选准精度（%）</th>
<th>精度</th>
<th>电源频率（V）</th>
<th>电压（kV）</th>
<th>尺寸（W×D×H，mm）</th>
<th>重量（Kg）</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR3</td>
<td>192</td>
<td>2~5</td>
<td>≧99.99</td>
<td>2</td>
<td>220/380 V</td>
<td>1795×644×2013</td>
<td>1009</td>
<td></td>
</tr>
<tr>
<td>CR4</td>
<td>256</td>
<td>3~6</td>
<td>≧99.99</td>
<td>2.5</td>
<td>220/380 V</td>
<td>2168×644×2013</td>
<td>1209</td>
<td></td>
</tr>
<tr>
<td>CR5</td>
<td>320</td>
<td>4~7</td>
<td>≧99.99</td>
<td>3</td>
<td>220/380 V</td>
<td>2448×644×2013</td>
<td>1359</td>
<td></td>
</tr>
<tr>
<td>CR6</td>
<td>384</td>
<td>5~8</td>
<td>≧99.99</td>
<td>3.5</td>
<td>220/380 V</td>
<td>2830×644×2013</td>
<td>1500</td>
<td></td>
</tr>
<tr>
<td>CR7</td>
<td>448</td>
<td>6~10</td>
<td>≧99.99</td>
<td>4</td>
<td>220/380 V</td>
<td>3132×644×2013</td>
<td>1659</td>
<td></td>
</tr>
<tr>
<td>CR8</td>
<td>512</td>
<td>7~12</td>
<td>≧99.99</td>
<td>4.5</td>
<td>220/380 V</td>
<td>3452×644×2013</td>
<td>1750</td>
<td></td>
</tr>
</tbody>
</table>

产品参数是根据更换含杂率3%的条件下测定，具体指标会因环境不同，材料及其含杂情况不同而变化。

The parameters are determined by test of raw material contamination rate under 3%. Specific parameters will be allowed according to specific material and contamination rate on site of customers.
Marketing all over the world

Climbing to the peak, never be intoxicated with the scenery along the way.
Travelling far, never step in the past footprints.
—It is endless for a walking man, only think deeply, we can go further.