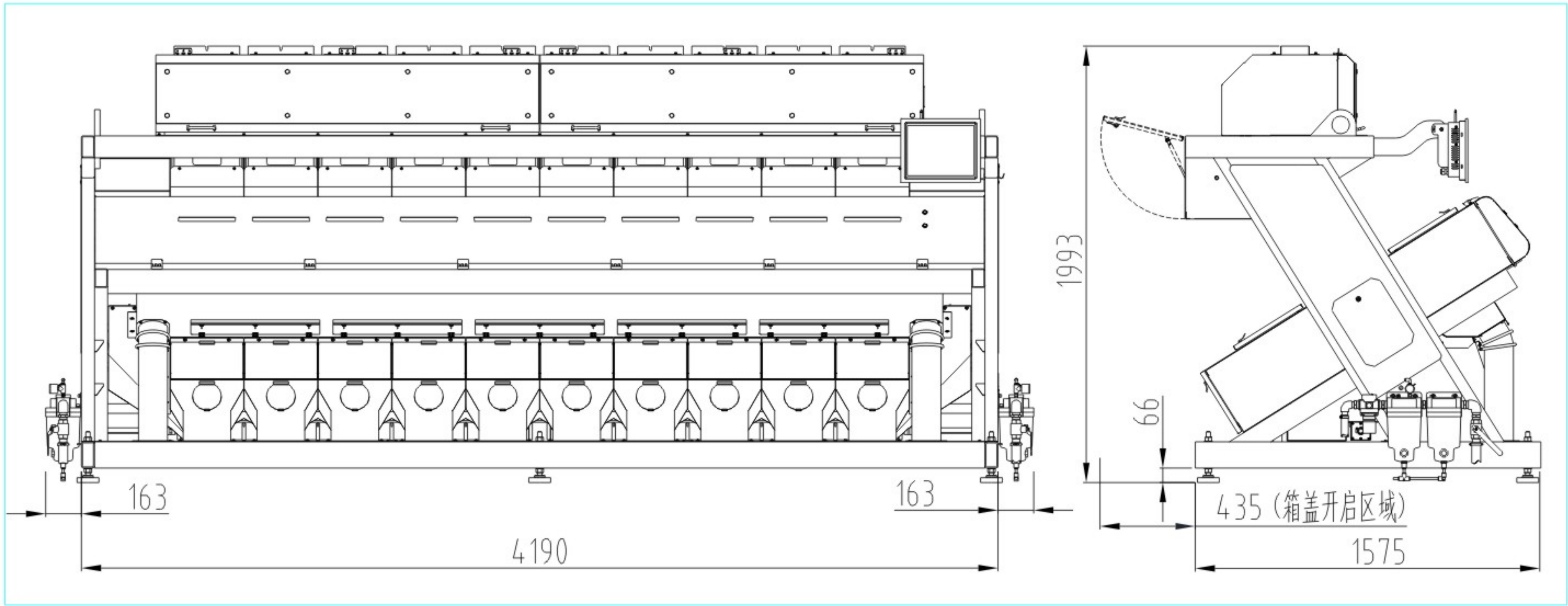
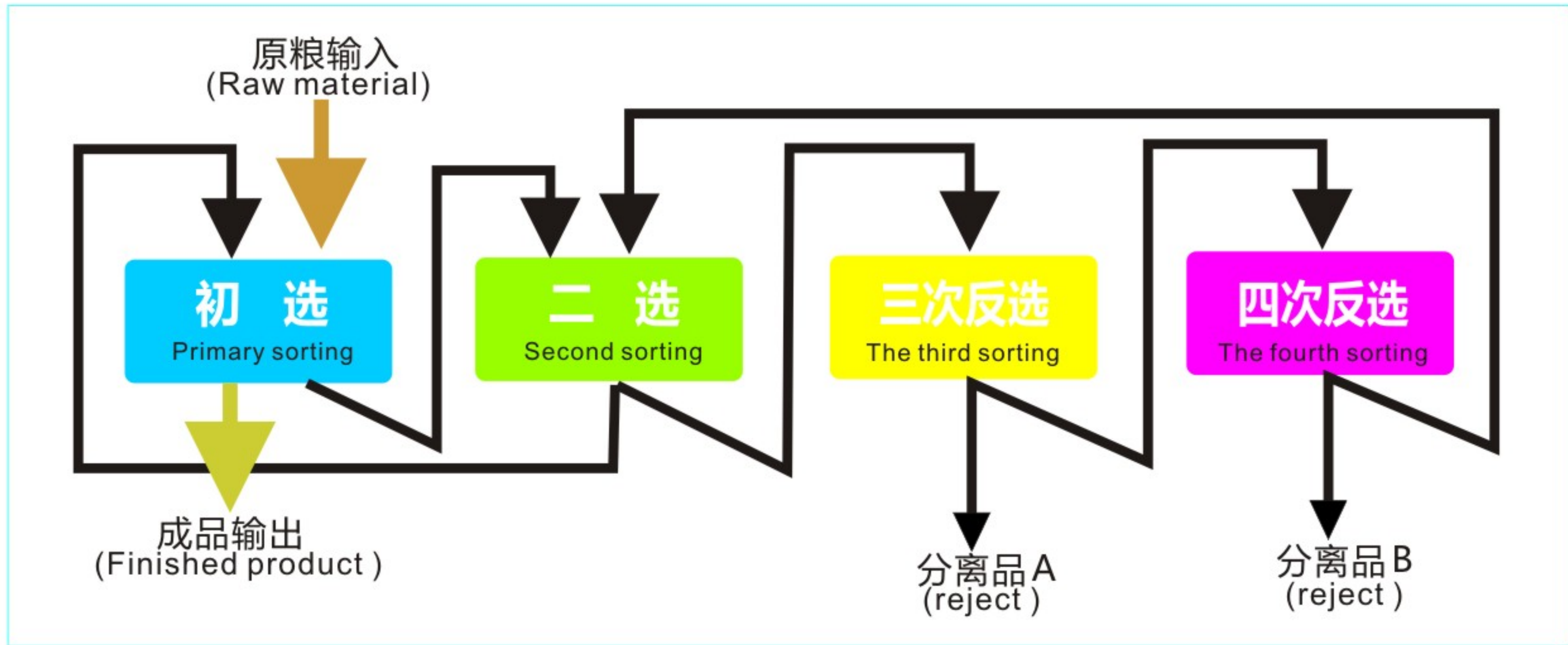




主要技术参数 MAIN TECHNICAL DATA

机型 Model	AS4	AS5	AS6	AS7	AS8	AS9	AS10
通道数 Number of channels	320	400	480	560	640	720	800
二次选加工量 Throughput(t/h)(two group)	3.6-9 (3:1)		6-12 (4:2)	6-15 (5:2)	7.2-18 (6:2)	8.4-21 (7:2)	9.6-24 (8:2)
三次选加工量 Throughput(t/h)(three group)	3-6 (2:1:1)	4.5-9 (3:1:1)	4.8-12 (4:1:1)	6-12 (4:2:1)	6.5-15 (5:2:1)	7.2-18 (6:2:1)	8.4-21 (7:2:1)
四次选加工量 Throughput(t/h)(four group)				4.8-12 (4:1:1:1)	5.5-15 (5:1:1:1)	6.5-15 (5:2:1:1)	7.2-18 (6:2:1:1)
主机功率 Main power(kw)	1.8	2.2	2.6	3.0	3.4	3.8	4.3
加热膜功率 Heater power(kw)	1.0	1.3	1.5	1.8	2.0	2.3	2.5
电源 Power supply	220V AC(±10%)						
气源 Air supply(Mpa)	0.6—0.8						
气源消耗 Air consumption(m³/min)	<2.0	<2.4	<2.9	<3.4	<3.9	<4.4	<4.8
色选精度 Accuracy(%)	>99.99						
最优带出 Rejected fraction(%)	>99.8						
机器重量 Weight(kg)	1452	1638	1857	2107	2274	2477	2609
外形尺寸 长 Dimensions(mm) L	2325	2663	3001	3339	3840	4178	4516
外形尺寸 宽*高Dimensions(mm) WxH	1666x1997						

产品技术参数如有变更恕不另行通知 If technologic data has been changed without further information

E-mail:yongxiangmiji@sohu.com http://www.hbyxlj.com

地址：湖北省安陆市府河大道2号

ADD: 2 FUHE AVE.,ANLU CITY,HUBEI,CHINA

电话(TEL): 0712-5254443 5254445 5258762 传真(FAX):0712-5254443 邮编(POSTCODE): 432600



永祥官网



微信公众号

永祥®
YONGXIANG

新一代高级精细分选解决方案

A NEW GENERATION OF ADVANCED
FINE SORTING SOLUTIONS

AS系列精选色选机

SERIES PREMIUM COLOR SORTER



精确识别
Accurate recognition

精准打击
Precision strike

精细分选
Fine sorting

精选

Premium sorting

湖北永祥粮食机械股份有限公司

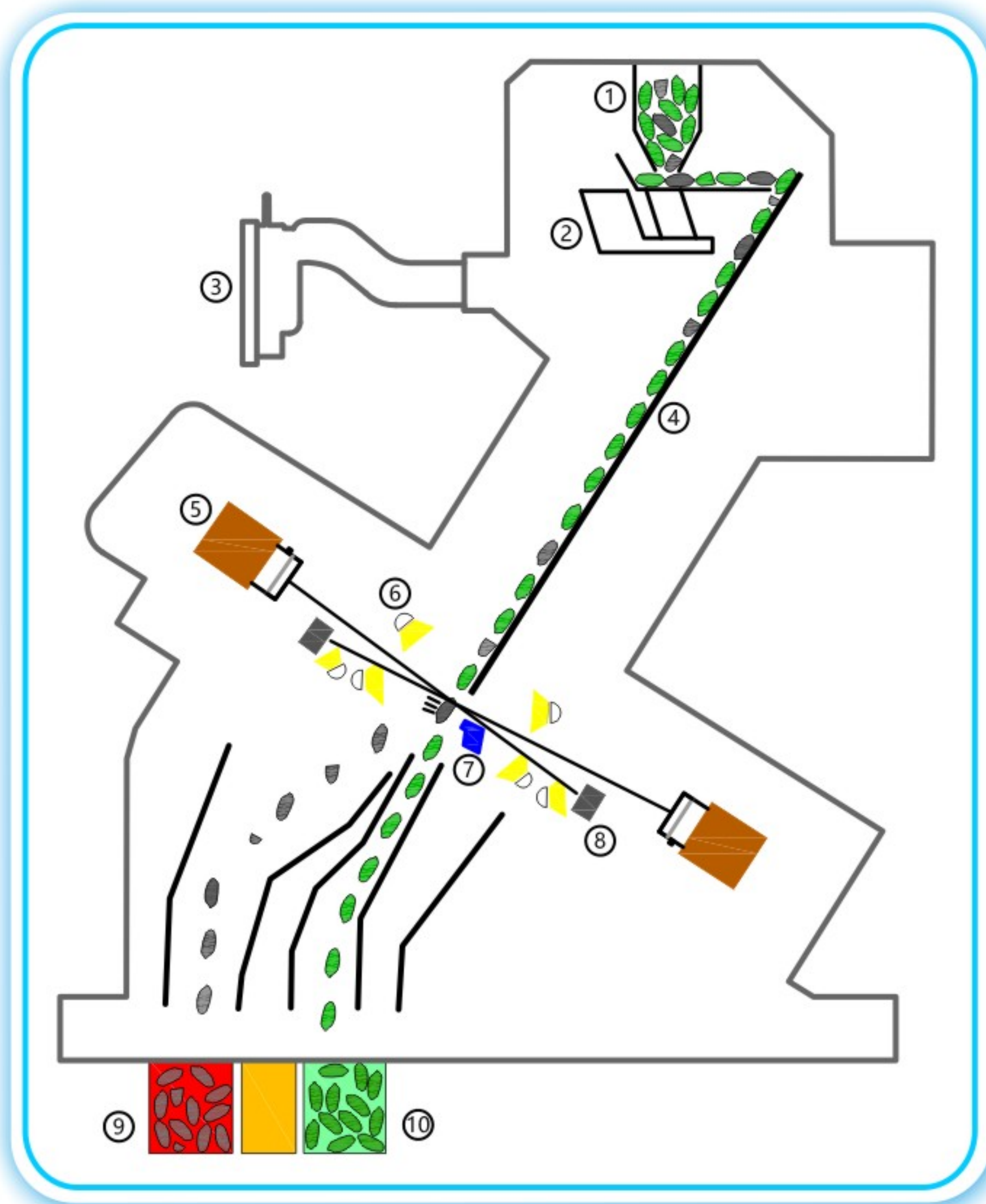
HUBEI YONGXIANG FOOD PROCESSING MACHINE CO.,LTD.

用途简介 APPLICATION INTRODUCTION

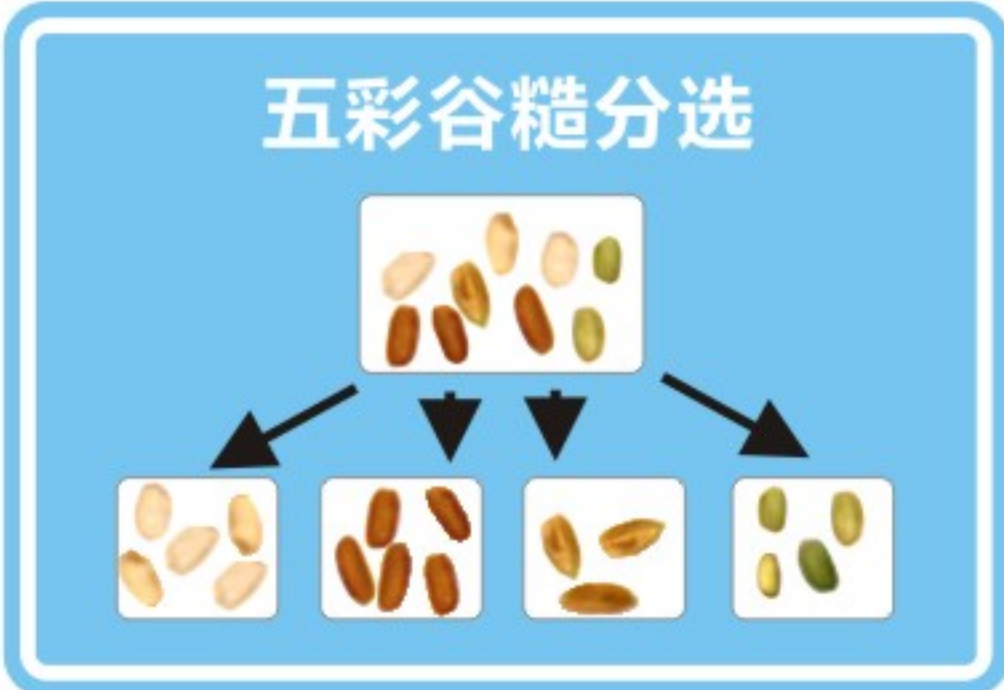
- AS 系列精选色选机作为新一代色选机产品，以其卓越的技术特点和出色的性能，为粮食加工行业带来了革命性的变革。其新一代的HDR相机、高频喂料技术、图像分析引擎和轮廓识别算法、物联网功能等多项技术特点，为粮食分选行业带来了前所未有的高效、精准的解决方案，助力生产企业提升产品质量和市场竞争能力。
- AS Premium Color Sorter brings unprecedented efficient and accurate solutions to the grain sorting industry with its many technical features such as new generation HDR camera, high frequency feeding technology, image analysis engine and contour recognition algorithm, and Internet of Things function. It helps enterprises improve their product quality and market competitiveness.



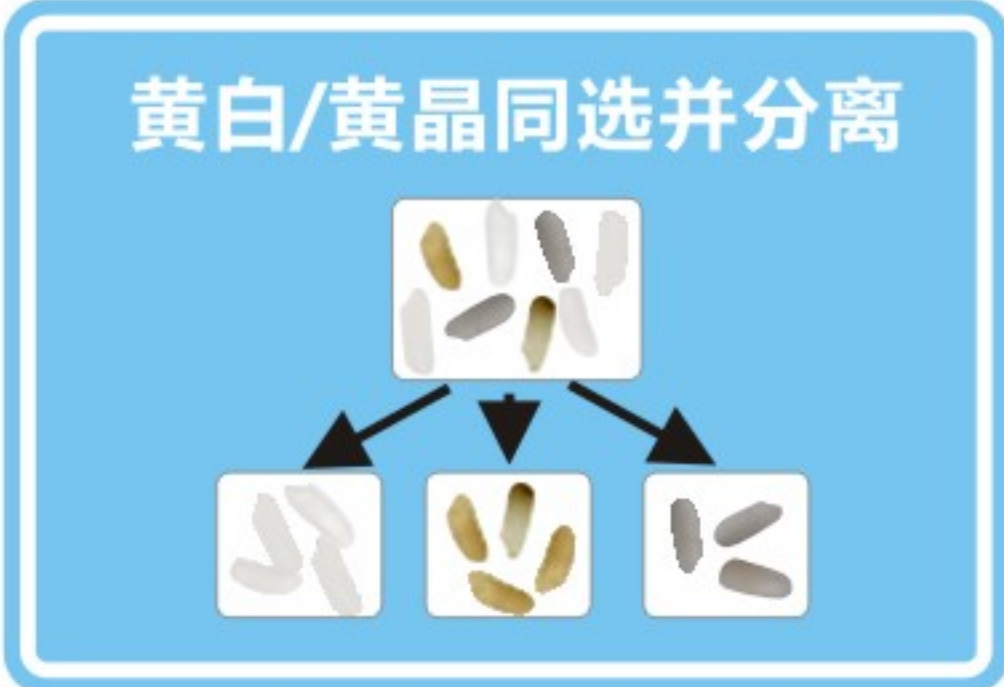
工作原理示意图 SCHEMATIC DIAGRAM OF WORKING PRINCIPLE



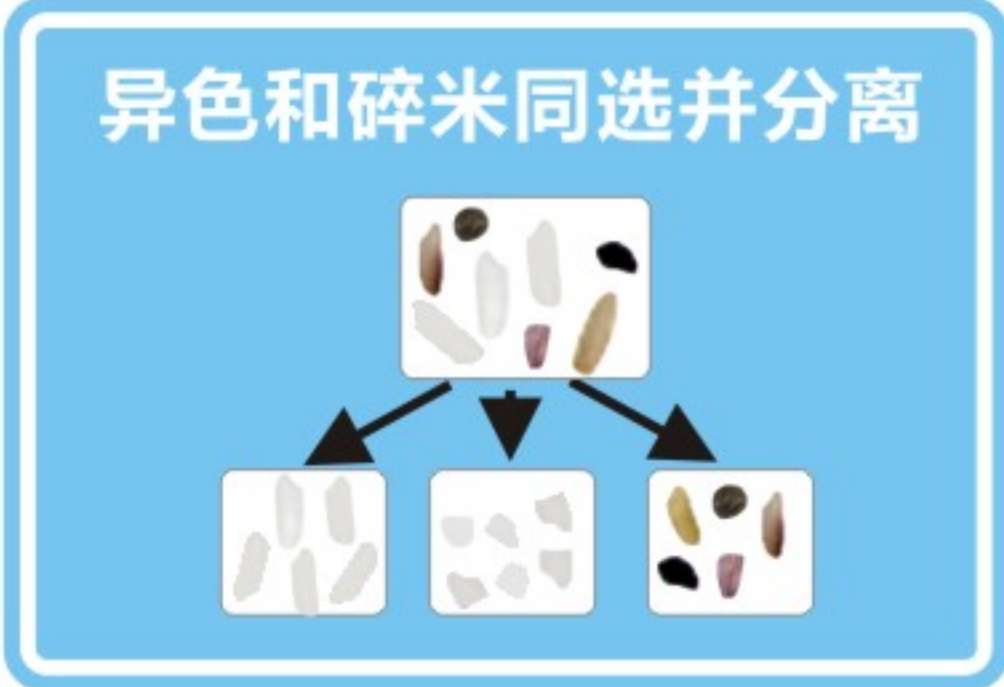
- 1 进料斗
Feed hopper
- 2 喂料器
Feeder
- 3 工控PC
Industrial control PC
- 4 滑板
skateboard
- 5 相机
camera
- 6 灯光
lamplight
- 7 喷阀
Spray valve
- 8 背景板
backboard
- 9 剔除品
ejector
- 10 保留品
retention



separation of multi-color grains and brown rice



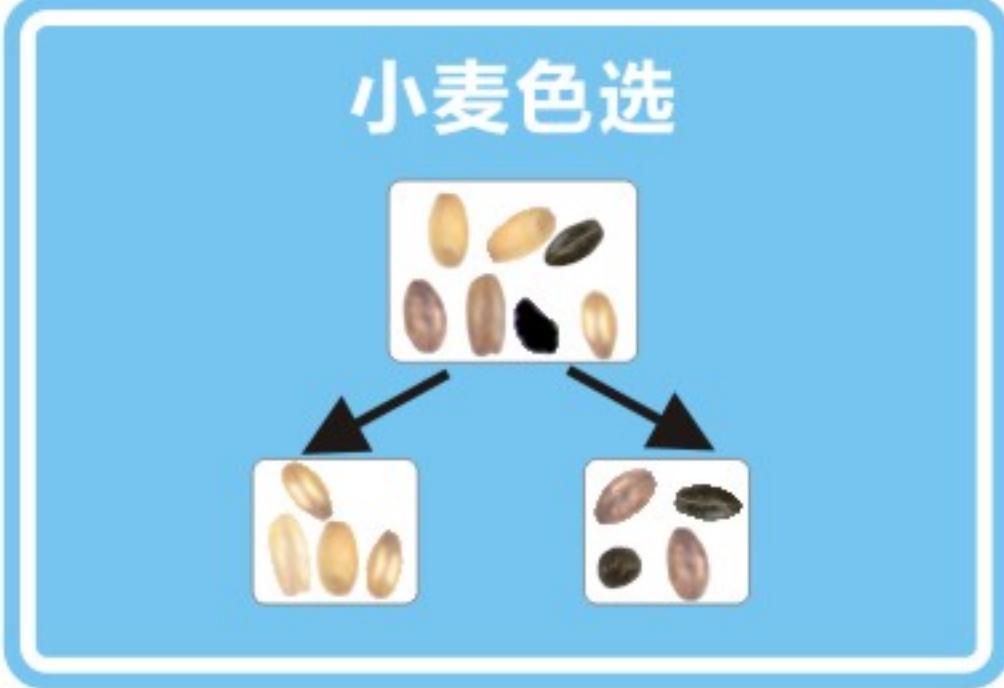
separation of yellow rice and white rice/yellow rice and crystal rice



separation of different colors and broken rice



sorting of black rice



sorting of wheat

技术特点 FEATURES

- 新一代HDR相机**：AS精选色选机配备了新一代的 HDR相机，呈现每一个细节，能够以卓越的细节捕捉能力，展现出谷物表面的每一个微小差异。无论是阴米、糙米还是陈化粮，都能够轻松应对，让每一粒谷物都得到精彩呈现。
- 高频喂料技术**：AS精选色选机采用高频喂料器和高频驱动技术，实现了喂料的平稳流动，从而确保了稳定的产量和分选精度。不仅提高了工作效率，还减少了品质波动，为生产高品质粮食提供了可靠的保障。
- 新一代图像分析引擎**：精确分析多色度空间，AS精选色选机引入了新一代的图像分析引擎，支持多种色度空间，如 RGB、HSV等，以实现更精确的图像分析。这种技术使得色选机可以轻松应对谷糙分离、大米分级等高识别度分选。
- 新一代轮廓识别算法**：精准识别与分选，AS精选色选机引入了全新的轮廓识别算法，能够精准地识别每一粒谷物的外形，并获取其面积和物料中心等信息。该算法让色选机能够实现从0%到100%的碎米精细分选，并实时在线监测原粮中的碎米含量。同时，算法获得物料中心作为打击点，使得分选的执行非常精准，几乎做到没有带出。
- 物联网功能**：用户可通过扫二维码进入微信小程序，远程查看和操控 AS 精选色选机。在联网状态下，AS 精选色选机自动联机云服务器，实时监控工作状态，可申请远程技术支持，对机器远程诊断，远程调试。
- 多种分选应用**：AS 精选色选机不仅可以实现精确识别和打击，还能够实现黄白/黄晶同选分离、五彩谷糙分选、异色和碎米同选分离、小麦黑米色选等多种应用。无论是谷物的种类还是多特征的分选需求，都能够得到满足。
- New generation HDR camera**: AS Premium Color Sorter is equipped with new generation of HDR cameras, which can present every detail and capture the smallest differences in the grains with excellent detail capture ability. Whether it is yin rice, brown rice or aged grain, it can easily deal with it and present every grain brilliantly.
- High frequency feeding technology**: With high frequency vibrator and high frequency drive technology, AS Premium Color Sorter achieves smooth feeding flow, ensuring stable production and sorting accuracy. High frequency feeding technology not only improves work efficiency, but also reduces quality fluctuations, providing reliable protection for the production of high-quality grain.
- New generation image analysis engine**: accurate analysis of multiple color space. AS Premium Color Sorter introduces a new generation of image analysis engine, which supports multiple color spaces such as RGB and HSV to achieve more accurate image analysis. This technology enables the color sorter to easily deal with high recognition sorting tasks such as separation of grains and rice grading.
- New generation contour recognition algorithm**: accurate recognition and sorting. AS Premium Color Sorter introduces a new contour recognition algorithm that can accurately recognize the shape of each grain and obtain its area and material center information. This algorithm enables the color sorter to achieve fine sorting of broken rice from 0% to 100% and real-time online monitoring of broken rice rate in raw grain. At the same time, the algorithm obtains the material center as the strike point, making the sorting execution very accurate and almost without carry-out.
- Multiple sorting applications**: AS Premium Color Sorter not only achieves accurate recognition and sorting, but also establishes multiple sorting applications such as separation of yellow rice and white rice/yellow rice and crystal rice, separation of multi-color grains and brown rice, separation of different colors and broken rice, and sorting of wheat and black rice. Both the type of grains and the requirement for multi-feature sorting can be met.
- Internet of Things function**: Users can enter the WeChat mini program by scanning the QR code to remotely view and control AS Premium Color Sorter. When network available, AS Premium Color Sorter automatically connects to the cloud server, monitors the working status in real time, and user can apply for remote technical support, remote diagnosis of the machine, and remote debugging.