



KMC Series
**Colour
Sorter**

SORTING SOLUTION

Intelligent Tricromatic Color Sorter with HD Scanning.
Ultra Low air Consumption.
Intelligent Fault Detection.
Intelligent Light control Technology
and Cloud Brain.



**KINETIC PROCESS
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KMC Series Colour Sorter



HITECH COMPONENTS

- ▶ LED from OSRAM Germany
- ▶ Ejector from FESTO
- ▶ CCD from ADI, US
- ▶ CPU from ARM, UK
- ▶ Touch Screen from WEILUN Taiwan
- ▶ FPGA chips & main boards from ALTETA, Gemany
- ▶ Camera Boards Toshiba Japan, Camera Lens from Nikon Japan
- ▶ Cylinder & Filters from SMC Japan

- ▶ The leading intelligent CCD chip and HD-wide angle camera lens shows perfect functions of intelligent HD scanning, accurate clarification & high computing.
- ▶ The top-level ARM+FPGA dual core processing system with incorporative arithmetic capability and perfect program design creates a new intelligent masterpiece.
- ▶ The new high frequency solenoid valve exclusive to color sorter with ultra low air consumption ensure high sorting accuracy nearly to zero error.
- ▶ The industry top leading configuration and unique innovative unpolished rice sorting technology shows our strong power in color sorting industry.
- ▶ LED optical design system and international top-level exclusive LED tube cooperate with intelligent light control technology to recognize tiny spot, light yellow, black points, chalky and tiny white point defects.
- ▶ The double air structure design in ejector block ensures long time efficient and stable air supply.
- ▶ The intelligent self diagnostic system has more intelligent fault detection functions and more excellent intelligent control to make customer enjoy, the beauty of scientific innovation.
- ▶ Intelligent feed control system can adjust automatically according to different input material so as to achieve the intelligent real control of input material.
- ▶ The world leading intelligent control of technology of grid voltage alteration can reduce adverse effect on color sorter caused by grid voltage alteration and ensure stable and reliable sorting performance.
- ▶ The self initiated yellow and chalky sorting technology realizes that one machine can not only reject yellow and chalky at the same time but also separate yellow and chalky in the final rejection. This new technology breaks all the rules and standar ds of color selection (For customer's choice)
- ▶ The intelligent time selection function ensures high precision and perfect carry over ratio without any waste of raw material.



SALIENT
FEATURES

TECHNICAL PARAMETERS

| MODEL | Capacity* (Ton/H) | Power (kw) | Dimension LxBxH (MM) | Weight (kg) |
|-------|----------------------|---------------|----------------------|-------------|
| KMC 4 | up to 4 | 1.5 | 1860 x 1491 x 1860 | 950 |
| KMC 5 | up to 6 | 2.0 | 2100 x 1491 x 1860 | 1050 |
| KMC 7 | up to 8 | 2.0 | 2700 x 1491 x 1930 | 1200 |

Remarks: * ±20mm Tolerance is acceptable by real calculation.

*Figures will vary based on through put & input contamination level.