



ENG Ver.

World's 1st & No.1 technology

# Spectral Color Sorter SPK+R



Excellent Sensor Sorting Technology



## Artificial Intelligence(AI) Color Sorter

- Measurement of whiteness
- Sorting double performance of light yellow&chalky rice at both side camera

### CAMERA PART

- Auto image tracing function
- Color, shape sorting
  - spectral camera
- Impurities
  - NIR /Ingaas camera



### LIGHTING PART

- Automatic lighting adjustment system

### REJECTION PART

- High speed/accuracy air valve applied
- Ejector operation and change time function



### 2 Stages Flat/Channel Type Chute

- Improved feeding arrangement of material feeding increasing
- High sorting with camera resolution even if material feeds lots of volume



### MATERIAL FEEDING PART

- Automatic feeding control

### TOUCH PANEL

- World NO.1 adapted android system
- Connecting mobile phone and control function

Display monitor



Monitor display with smart phone



### DUST COLLECTION PART

- Easy clean, high-capacity dust collection

### OUTLET PART

- HACCP, reduce good material loss and best reject outlet structure



### Spectral Camera

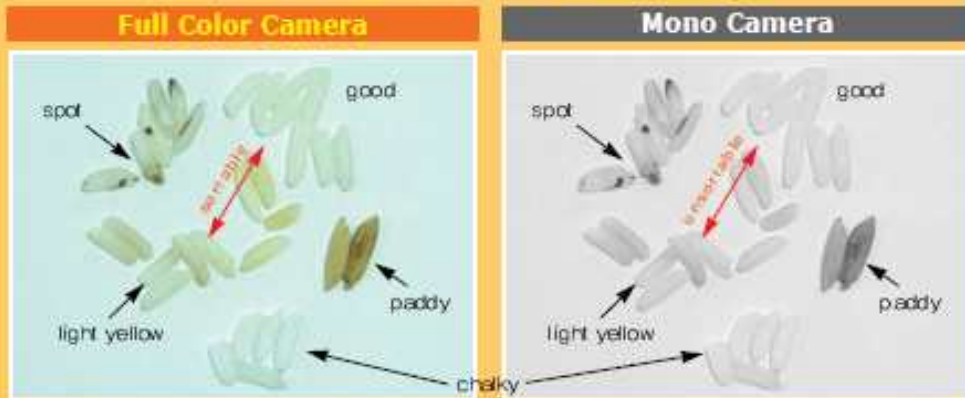
- Spectral sensor, full color
- High-resolution camera
- 0.05mm small defect-sort clearly (2 times better than others)



### RED&BLUE Color LED

- Semi permanent life with high luminence LED
- 30% height lighting LED then other product
- High-power LED made in USA-CREE company
- High-durability and stability

## Camera Capacity Comparison

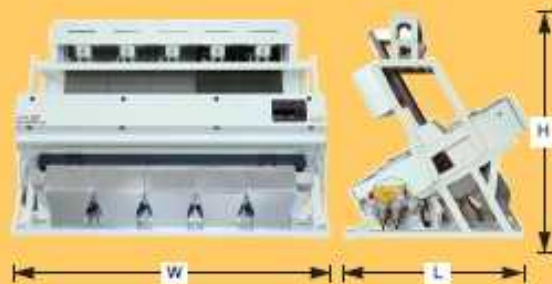


## Only SPK+R Technology



Double performance improvement than before in sorting normal rice and sticky rice  
 Improved 30% light yellow rice sorting than before final reject made 0% good rice  
 Same sorting method made double working efficiency

| Model                 | SPK+R1        | SPK+R3         | SPK+R5         |
|-----------------------|---------------|----------------|----------------|
| Dimensions (W×L×H mm) | 900×1400×1770 | 1600×1400×1770 | 2100×1400×1770 |
| Input to M/C (ton/hr) | 1.5~4.0       | 4.0~12.0       | 7.0~20.0       |
| Power (kw)            | 2.0           | 3.0            | 4.0            |
| Comp.Power (hp)       | 10            | 20             | 30             |



※ The specifications and designs can be changed without any notice. The capacity depends on impurity ratio.  
 ※ Compressor, Air dryer, Cooler (Option)



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