

Colour Sorter

IPMA INDUSTRY SDN. BHD.

益马工业有限公司

198801004398 (13E837-P)



Model : ICGA Series



ICGA Series



Vibrator sensing hopper sensors



Brand new integrated large touch screen



New ejector assembly



High brightness & low temperature rise LED light source



Automatic background adjustment function



Wide chute design can fit high capacity 8-15t/h production line



Super high definition Toshiba 5400 pixel CCD camera sensor.



Rice shape sorting function, provide picture result preview

Thru vision sorting

ACCEPT



Thru vision good grain

REJECT



Thru vision bad grains

Length grading

ACCEPT

Long grain



Short grain



REJECT

Colour sorting

ACCEPT



Good Seed

REJECT



Green



Damage Grains



Chalky



Short Grains



Ripe but Chalky



Red Rice

www.ipmaindustry.com

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered and services performed is determined by the subject matter of the specific contract. No liability accepted for errors or omissions.

IPMA

Your One Stop Rice Processing And Solution Centre!



Technical Specification

Colour Sorter Model : ICGA Series

| Model | Channels | Power of Main Machine | Capacity | Voltage | Air Pressure | Air Consumption | Dimension | Weight |
|----------|----------|-----------------------|------------|-----------|--------------|-------------------------|-----------------------|--------|
| ICGA 480 | 480 | 3.6kw | 1-3 ton/hr | 220V 50Hz | 0.6-0.8MPa | <4.0m ³ /min | 3333 x 1580 x 2020 mm | 2070kg |

Colour Sorter Main Components Details

| NO. | Parts | Brand | Country | Specification |
|-----|---------------------|---|---------|--|
| 1 | CAMERA CCD SENSOR | TOSHIBA 5400 pixel, industrial level RGB sensor | JAPAN | High sensitivity : 12V / (lx.s) Dynamic range : 2800:1 Low noise factor : < 0.6 mv Pixel Size : 14um x 14um Resolvable spot : 0.03 mm ² |
| 2 | CAMERA LENS | Specially oem from NIKON for colour sorter use | JAPAN | Resolution : 150 line pair Low distortion : < 0.3 % |
| 3 | CPU | USA ALTERA 4ht Genration CYCLONE FPGA | USA | Data Processing speed : > 2340 K bits CPU Speed : > 200 MHZ Data Transmission speed : > 3.125 Gbps |
| 4 | LED | Germany OSRAM | GERMANY | Life Time : > 50000 HOURS |
| 5 | EJECTOR | MEYER patented special alloy high speed ejector, designed for color sorter,with switching frequency action up to 1200/s | CHINA | Lowest switch time : < 0.05 ms Long life time : > 10 billion times |
| 6 | LCD SCREEN | NEC | JAPAN | Chromatic touch screen, 15 inch, 24k colour, Resolution : 1024 x 768 |
| 7 | COMPRESS AIR FILTER | SMC | JAPAN | filter for 0.3um size min. oil |

Parameters above are tested on the environment of 25°C and 2% impurities rate and may change in different conditions.

