



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	<4.0m³/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 mm²
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.



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