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Think Positive, Make Better

India's Top Leading Brand in Color Technology



Next Generation **DCS Series**

**INTELLIGENT FULL
COLOR SORTER**

- High Speed
- High Efficiency
- High Definition
- High Precision

INTELLIGENT FULL COLOR SORTER



DCS-2T



DCS-8T



High speed RGBW linear CCD sensor of TOSHIBA Co, 5400 pixels with excellent scanning rate, able to detect the slightest differences upto 0.02mm.



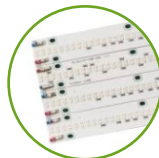
Innovative high-speed GOWIN FPGA processing platformed architecture supporting reverse sorting, re-sorting and size recognition methodology.



SMC or Korean ARK Filter and air cylinder with excellent durability and accuracy. Filtration 0.1um mm/s, fend off mist, oil tinny particles, giving ejector best protection.



12 inches HMI, resolution 1024x768, imbedded Windows 7 operating system, capable of online support and image capturing. More than 300 setting profiles storage, enable machine quick to read preset programmes.



Customized LED strips with prism configuration, making the light bright and even. The best brightness providing the best defects analysis.



SMC or Matrix High-frequency ejectors, Intelligent algorithm tracking, precise rejection 0.9ms response time.

Technical Features



Micron Camera

High resolution ultra-low distortion micro camera imaging system, with electrodeless LED light source, brings unprecedented precision recognition.



5G Architecture

Reserved 5G interface, AR/VR coordination, high bandwidth low delay, wide connection



Intelligent magnetic control high frequency solenoid valve

High frequency low air consumption ejector, flexible contact, wear-resistant super alloy material, matching with lifetime.



Intelligent operating system

Firstly applied Window 7 operating system based user interface that can be upgraded to Windows 8 and Windows 10 according to different applications.



Full core upgrade

Gowing FPGA has the advantages of faster processing speed, lower power consumption and more stable operation.



Intelligent dimming

Digital stepless dimming, automatically matching brightness according to material change.



Human-computer interaction

Automatic acquisition of temperature, humidity, air pressure, differential pressure and other related working environment parameters to achieve monitoring and early warning.



High speed feeding system

Patented high-frequency vibrator and antioxidant anode treatment chute greatly increased throughput by 20% ~ 30% compared with other competitors.

Complete Range of Intelligent Color Sorter



DCS-1T96



DCS-1T64



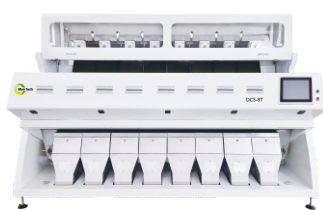
DCS-1T80



DCS-2T



DCS-6T



DCS-8T



DCS-10T



DCS-300S • DCS-600S
• DCS-1200S



DCS-300S-S • DCS-600S-S
• DCS-1200S-S



DCS-1200S-M



DCS-1200D

Product Parameters

Model	Ejector	Capacity	Optimized Carryover	Voltage (V)	Power	Weight (Kg)	Dimension (LxWxH mm)
DCS-1T64	64	0.9~1.5	≥100:1	AC220V / 50Hz	≤ 1.5	350 (±5%)	955x1630x1550
DCS-1T80	80	1.0~2.0	≥100:1	AC220V / 50Hz	≤ 1.8	400 (±5%)	1045x1630x1550
DCS-1T96	96	1.1~2.2	≥100:1	AC220V / 50Hz	≤ 2.0	420 (±5%)	1045x1630x1550
DCS-2T160	160	1.5~3.2	≥100:1	AC220V / 50Hz	≤ 2.5	570 (±5%)	1330x1630x1550
DCS-3T	192	2.0~5.0	≥100:1	AC220V / 50Hz	≤ 3.0	820 (±5%)	1717x1619x2042
DCS-4T	256	3.0~6.0	≥100:1	AC220V / 50Hz	≤ 4.0	1121 (±5%)	2030x1619x2042
DCS-5T	320	4.0~7.0	≥100:1	AC220V / 50Hz	≤ 4.8	1135 (±5%)	2343x1619x2042
DCS-6T	384	5.0~8.0	≥100:1	AC220V / 50Hz	≤ 5.2	1246 (±5%)	2656x1619x2042
DCS-7T	448	6.0~10.0	≥100:1	AC220V / 50Hz	≤ 5.8	1539 (±5%)	3149x1620x2032
DCS-8T	512	7.0~11.0	≥100:1	AC220V / 50Hz	≤ 6.5	1852 (±5%)	3462x1620x2032
DCS-10T	640	8.0~15.0	≥100:1	AC220V / 50Hz	≤ 8.0	2335 (±5%)	4128x1618x2032
DCS-12T	768	10.~19.0	≥100:1	AC220V / 50Hz	≤ 11.0	2670 (±5%)	4698x1618x2032
DCS-300S	64	/	/	AC220V / 50Hz	≤ 3.0	500 (±10%)	3098x820x1660
DCS-600S	128	/	/	AC220V / 50Hz	≤ 3.5	650 (±10%)	3098x1130x1660
DCS-1200S	256	/	/	AC220V / 50Hz	≤ 5.5	1250 (±10%)	3398x1750x1715
DCS-1200S-M	120	/	/	AC380V / 50Hz	≤ 5.5	1800 (±10%)	4392x1928x2501
DCS-1200D	240	/	/	AC380V / 50Hz	≤ 9.5	3000 (±10%)	5215x1928x3093

**Above mentioned production data is based on rice at 2% contamination level with maximum broken less than 12% and all chutes are on primary so, it may be different on other materials as well as on impurity percentage, type, shape and size.

Our Domestic Network



MANITECH INSTRUMENTS PRIVATE LIMITED

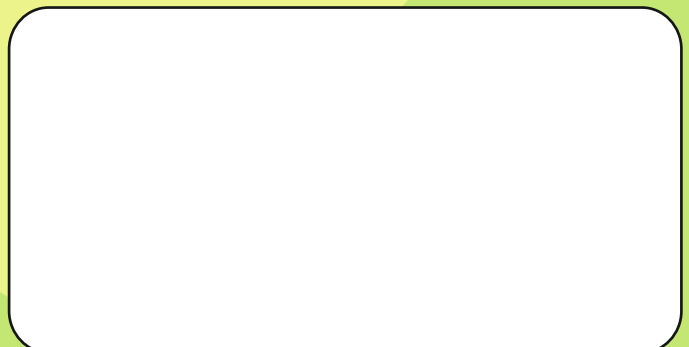
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Authorised Dealer



Also Available in: **Punjab:** Sangrur, Muktsar, Moga, Sirhind, Bathinda, Talwandi Bhai, Gurdaspur • **Haryana:** Karnal, Kaithal, Kurukshetra, Cheeka, Fatehabad • **Uttar Pradesh:** Brailey, Mainpuri, Lucknow, Gorakhpur • **Rajasthan:** Bikaner, Jaipur, Kota • **Other States:** Delhi, Uttarakhand, Madhya Pradesh, Maharastra, Odisha, Assam, Chhattisgarh & Nepal