

ARTIFICIAL INTELLIGENCE POWERS
THE WORLD'S SMARTEST COLOR SORTERS

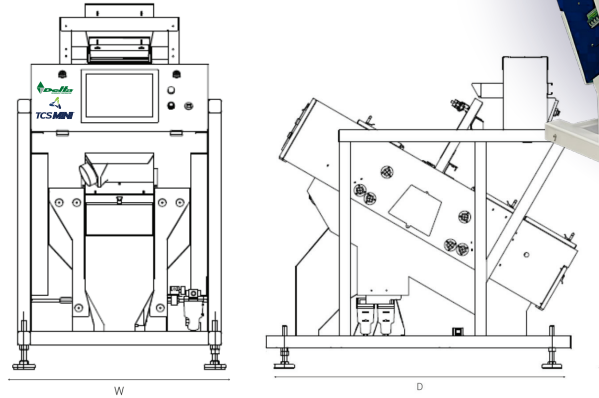
For Delta reliability and single-lane economics, ASK FOR TCS MINI™

Specially designed for:

- Small processing plants.
- Micro lots processing.
- Specialty coffee preparations.
- Reprocessing

Versatile

- Capable of processing small batches of product at a time.
- Small footprint.



TCS sorters can be accessed and operated remotely using any smartphone, tablet, or PC.

Model	Electrical	Air	Operation Temperature	Net Weight	W-Width	D-Dept	H-Height
TCS MINI-1	110 or 220 VAC 50 or 60 Hz 1.3 KW	26 CFM @ 100 PSI 0.7m³ /minute @ 7 Bar	32°F - 104 °F 0°C - 40°C	355Kg /783Lbs	930mm / 37in	1574mm / 62in	1668mm / 66in
TCS MINI-2	110 or 220 VAC 50 or 60 Hz 1.5 KW	52 CFM @ 100 PSI 0.7m³ /minute @ 7 Bar	32°F - 104 °F 0°C - 40°C	550Kg / 1213Lbs	1244mm / 49in	1574mm / 62in	1668mm / 66in

Available in these configurations to meet your throughput and resort requirements:63 and 126 channels.

WORLD-WIDE ACCEPTANCE



THE DELTA STORY

In business for more than 40 years under the same ownership, Delta color sorters offer greater accuracy, optimal product yields, and continual technological innovation. In 2018, we started incorporating artificial intelligence into our color sorters, allowing operational adjustments and performance tracking in real time.

Delta's "IntelliMax™" technology eliminates time-consuming manual calibration, with a fully automated user interface and immediate statistics on color defect recognition by type. Plus, our cloud-integrated platform allows both users and Delta technicians to remotely access, analyze, and adjust any of the world's most intelligent color sorters.



Always
A STEP AHEAD!



deltatechnology.com • 1602 Townhurst • Houston,Texas 77043 USA
T 713.464.7407 • F 713.461.6753 • info@deltatechnology.com

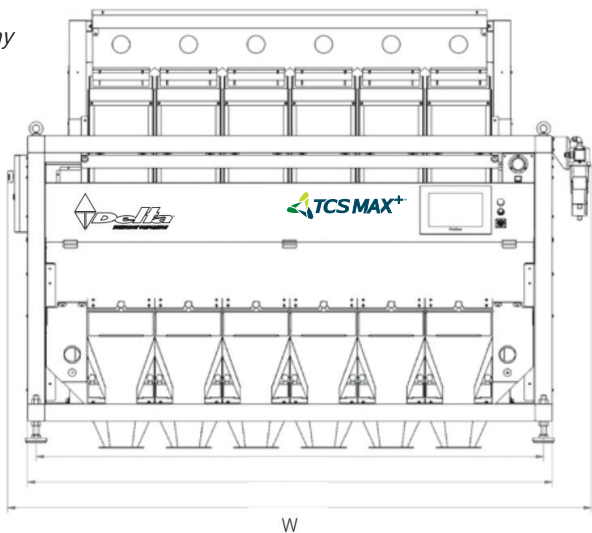
©2024 Delta Technology Corporation. Manufactured under one or more USA and foreign patents pending or issued. Product specifications may change without notice.



DELTA’S SIGNATURE COLOR SORTER with a fully automated calibration process powered by INTELLI-MAX™



TCS Sorters can be remotely accessed and controlled from any smartphone, tablet, or PC.

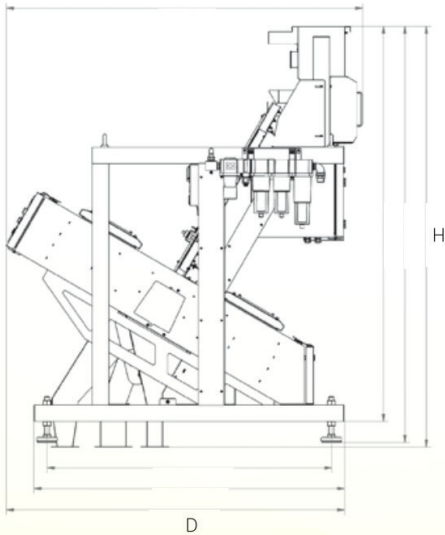


- Cameras**
- Full-color RGB – multispectral configuration.
 - Up to 20,000 scans per RGB color line / 2,048 pixels.
 - Two cameras per chute, one positioned at the front and the other at the rear.
 - 0.05 mm optical resolution.

- Illumination System**
- High-intensity LED lighting with variable spectrum and long service life.
 - Electronic RGB LED reference background with 16 million color combinations, automatically adjusted to match the product being sorted.

- High-speed CMOS sensors with Near Infrared (NIR) capability up to 1,100 nm.
- Automatic adjustment to the incoming product and defects to be identified and removed through the IntelliMax™ system and Delta Technology’s proprietary mathematical algorithms.

- Shape and Size Sorting**
- Sorting algorithms can be customized to meet specific product recognition and sorting requirements or generated through automated image acquisition.



Model	MAX-1	MAX-2	MAX-3	MAX-4	MAX-5	MAX-6	MAX-7
Electrical	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz
	1.3 KW	1.5 KW	2.0 KW	2.5 KW	3.0 KW	3.5KW	4.2 KW
Air	26 CFM @ 100 PSI 0.7m³ /minute @ 7 Bar	52 CFM @ 100 PSI 1.4m³ /minute @ 7 Bar	78 CFM @ 100 PSI 2.2m³ /minute @ 7 Bar	104 CFM @ 100 PSI 2.9m³ /minute @ 7 Bar	130 CFM @ 100 PSI 3.7m³ /minute @ 7 Bar	156 CFM @ 100 PSI 4.4m³ /minute @ 7 Bar	182 CFM @ 100 PSI 5.1m³ /minute @ 7 Bar
Operation Temperature	32°F - 104°F 0°C - 40° ™ C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C
Net Weight	500Kg / 1103Lbs	690Kg / 1522Lbs	880Kg / 1940Lbs	1050Kg / 2315Lbs	1150Kg / 2536Lbs	1270Kg / 2756Lbs	1430Kg / 3553Lbs
W-Width	930mm / 37in	1244mm / 49in	1558mm / 62in	1872mm / 74in	2186mm / 87in	2500mm / 99in	2814mm / 111in
D-Depth	1784mm / 71in	1784mm / 71in	1784mm / 71in	1784mm / 71in	1784mm / 71in	1784mm / 71in	1784mm / 71in
H-Height	2182mm / 86in	2182mm / 86in	2182mm / 86in	2182mm / 86in	2182mm / 86in	2182mm / 86in	2182mm / 86in

Available in these configurations to meet your throughput and resort requirements: 63, 126, 189, 252, 315, 378 y 441 channels.

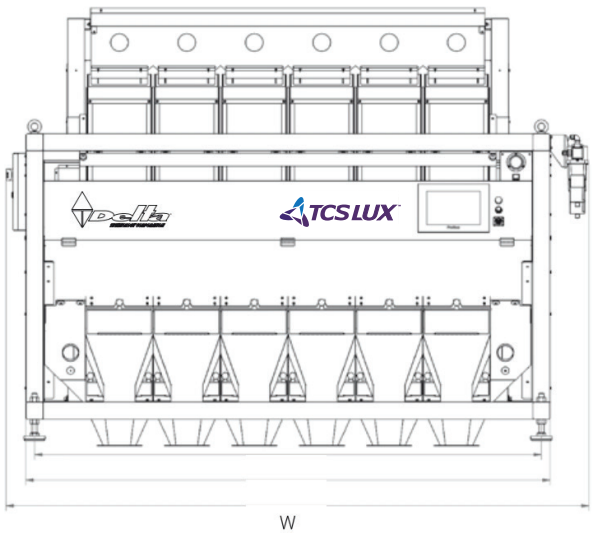


TCS LUX™ COMBINES SPEED AND ACCURACY for a wide variety of products.

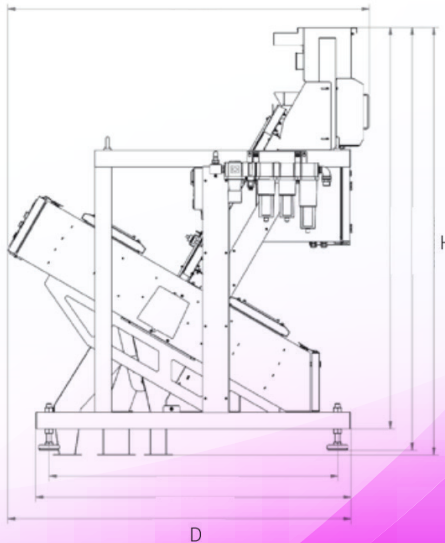
- Cameras**
- High-definition full-color RGB cameras.
 - 24,000 frames per second (8,000 per RGB color line / 4,096 pixels).
 - Two cameras per chute, one positioned at the rear and the other at the front.
 - 0.07 mm optical resolution.

- Illumination System**
- Electronic reference background with 16 million colors.
 - Chromatic system with automatically adjustable color combinations: Red & Blue, Green & Red, and Blue & Green.
 - HSV image capture and calibration option to remove specific defects, such as insect bite (“broca”) from coffee beans and other products
 - Monochromatic: light and dark trip.

- Shape & Size Sorting**
- Delta algorithms can be customized for specific requirements.



TCS Sorters can be remotely accessed and controlled from any smartphone, tablet, or PC.



Model	LUX-1	LUX-2	LUX-3	LUX-4	LUX-5	LUX-6	LUX-7
Electrical	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz	110 or 220 VAC 50 or 60 Hz
	1.3 KW	1.5 KW	2.0 KW	2.5 KW	3.0 KW	3.5KW	4.2 KW
Air	26 CFM @ 100 PSI 0.7m³ /minute @ 7 Bar	52 CFM @ 100 PSI 1.4m³ /minute @ 7 Bar	78 CFM @ 100 PSI 2.2m³ /minute @ 7 Bar	104 CFM @ 100 PSI 2.9m³ /minute @ 7 Bar	130 CFM @ 100 PSI 3.7m³ /minute @ 7 Bar	156 CFM @ 100 PSI 4.4m³ /minute @ 7 Bar	182 CFM @ 100 PSI 5.1m³ /minute @ 7 Bar
Operation Temperature	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C	32°F - 104°F 0°C - 40°C
Net Weight	500Kg / 1103Lbs	690Kg / 1522Lbs	880Kg / 1940Lbs	1050Kg / 2315Lbs	1150Kg / 2536Lbs	1270Kg / 2756Lbs	1430Kg / 3553Lbs
W-Width	930mm / 37in	1244mm / 49in	1558mm / 62in	1872mm / 74in	2186mm / 87in	2500mm / 99in	2814mm / 111in
D-Depth	1784mm / 71in	1784mm / 71in	1784mm / 71in	1784mm / 71in	1784mm / 71in	1784mm / 71in	1784mm / 71in
H-Height	2182mm / 86in	2182mm / 86in	2182mm / 86in	2182mm / 86in	2182mm / 86in	2182mm / 86in	2182mm / 86in

Available in these configurations to meet your throughput and resort requirements: 63, 126, 189, 252, 315, 378 y 441 channels.