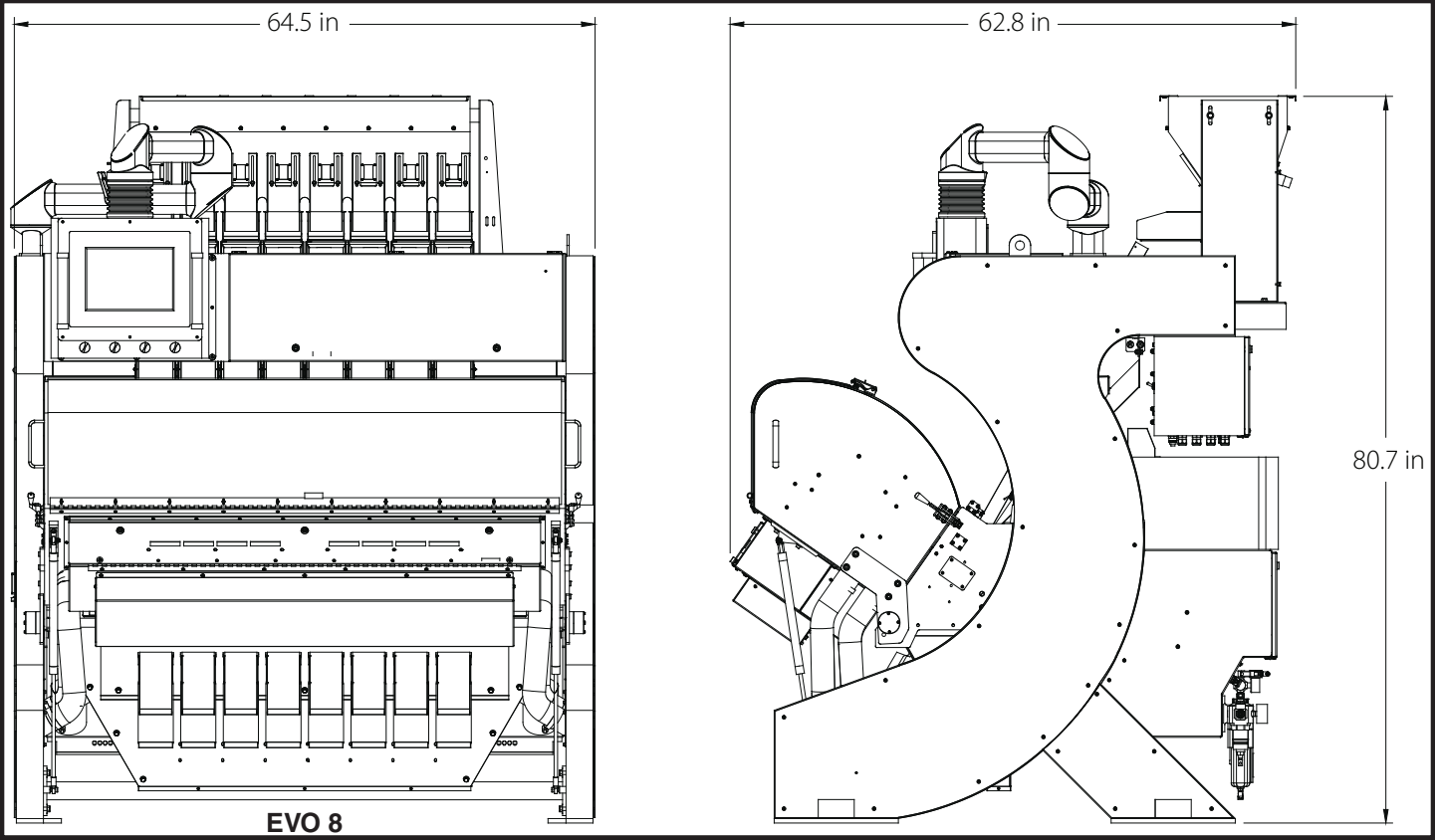


EVOLUTION® Series Technical Specifications

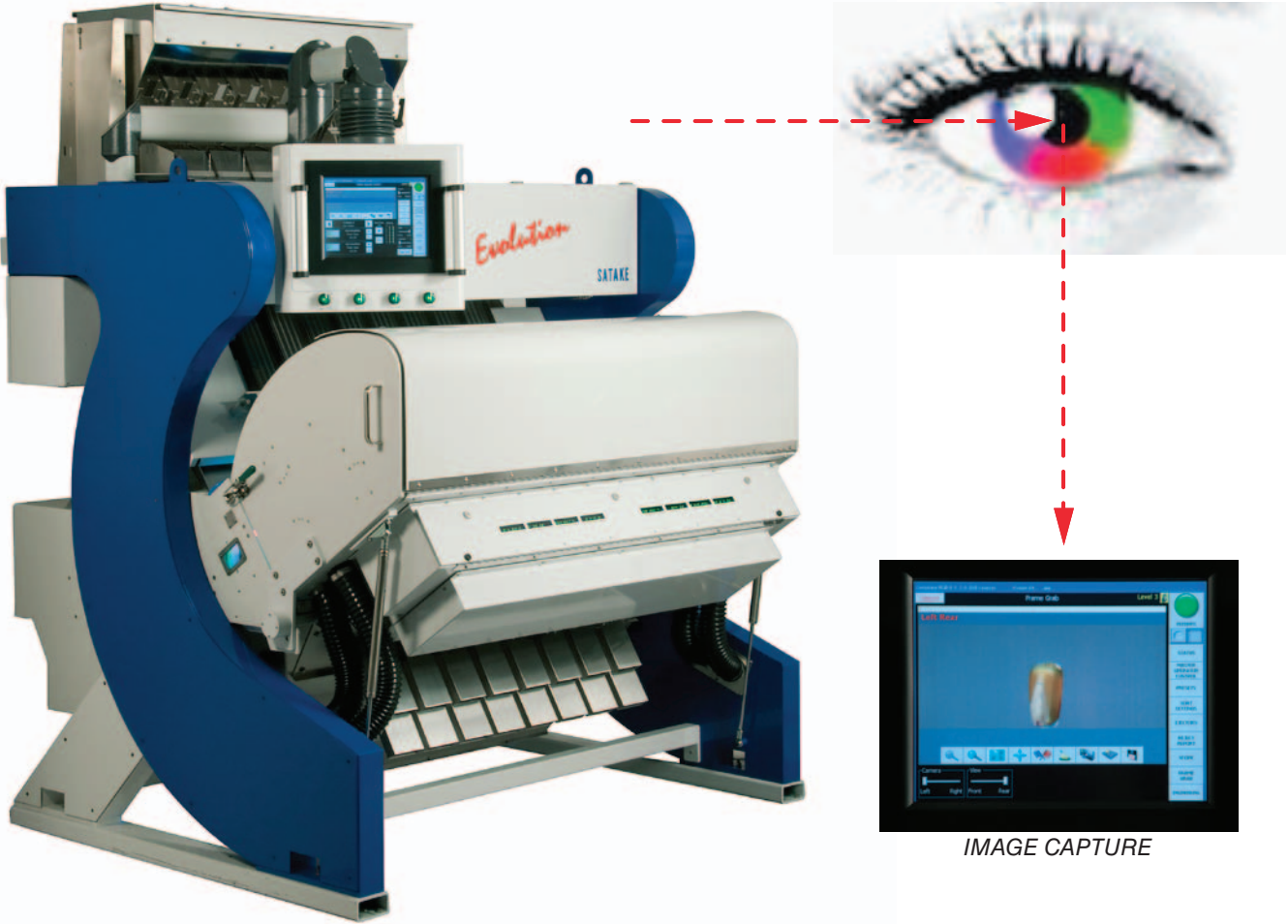


	EVO 4	EVO 8
NUMBER OF CHUTES	4	8
WIDTH	53 IN	65 IN
DEPTH	63 IN	63 IN
HEIGHT	81 IN	81 IN
WEIGHT	1298 LBS	1540 LBS
POWER CONSUMPTION	4600 watts	7000 watts
COMPRESSED AIR SUPPLY (ACTUAL USAGE DEPENDS ON PRODUCT AND DEFECT LEVEL)	40 CFM @ 90 PSI	60 CFM @ 90 PSI
AIR KNIFE AIR CONSUMPTION, CFM	40 CFM	46 CFM
EXHAUST DUST EXTRACTION	1000 CFM	1200 CFM
AMBIENT TEMPERATURE MAXIMUM	105 °F	105 °F

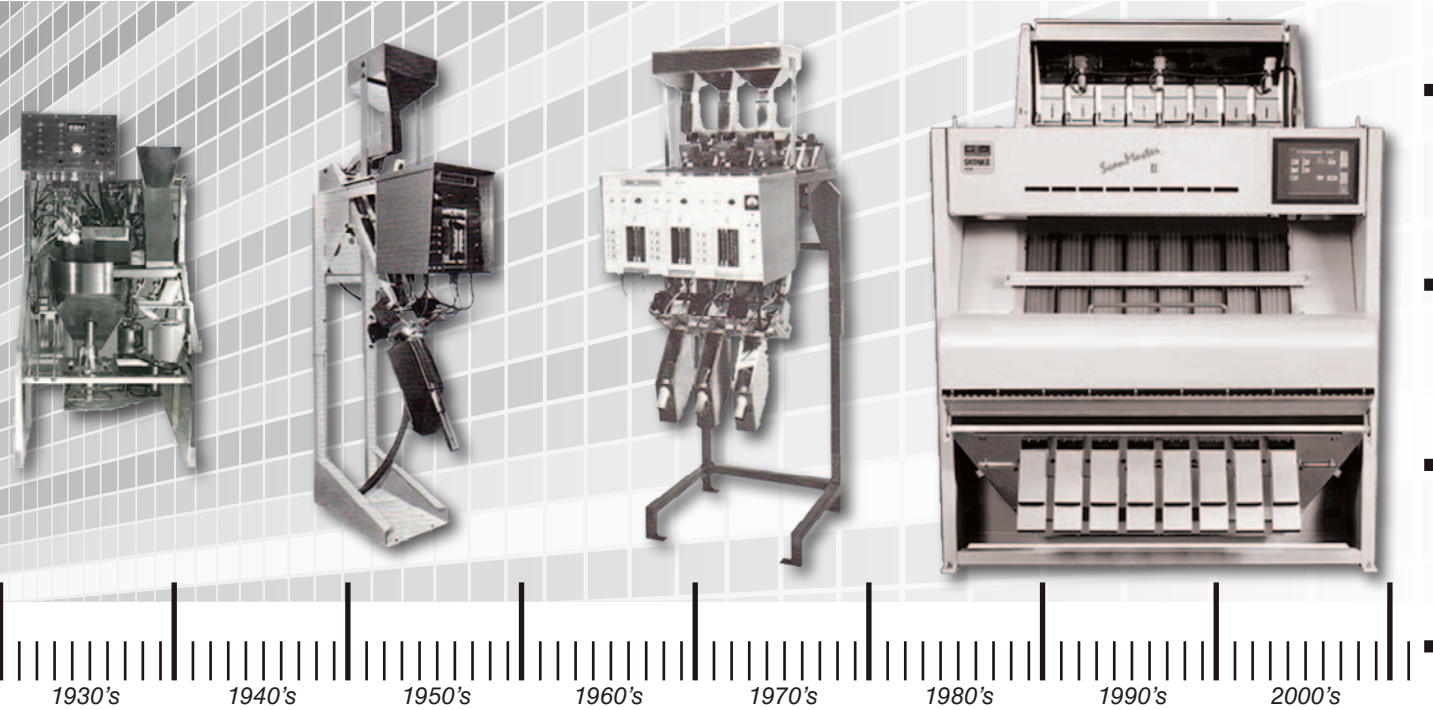
Satake reserves the right to change specifications without prior notice.

Creating the Future
SATAKE

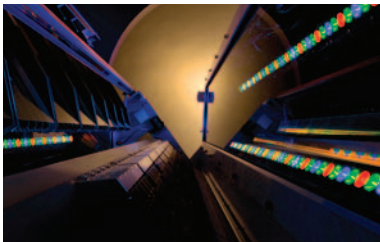
Optical Sorting to the Highest Standards
EVOLUTION®



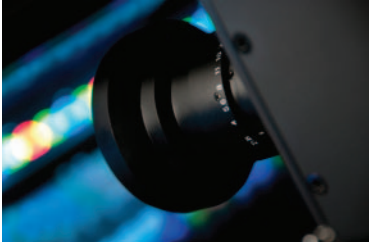
Creating the Future
SATAKE



CONSTANTLY EVOLVING SORTING TECHNOLOGY SINCE INTRODUCING THE VERY FIRST COLOR SORTER IN 1931.



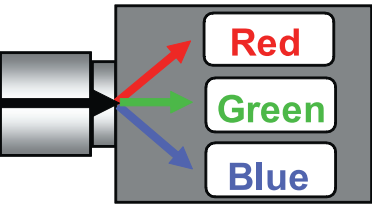
PATENTED, LONG LIFE, FOCUSED LED ILLUMINATION SYSTEM



HIGH RESOLUTION FULL COLOR CAMERA



SELECT TRUE COLORS FROM THE OFFICIAL RGB COLOR CHART



Camera info



Eye info

Both the human eye and the EVOLUTION detect color through three colors (red, green, blue), allowing the sorter to match the eye's ability to see true color.

Good

Bad



The new Evolution is a Revolution in optical sorting

Both the human eye and the Evolution detect color through three wavelengths (Red, Green and Blue), allowing the sorter to match the eye's ability to see true color. This full color sorting machine uses 16 million colors, high-resolution cameras and long lasting LED lighting to detect and remove defects. It works like the human eye – the smallest color deviations are identified and rejected. This machine has the ability to see true color and precisely sort a wide range of products, even those with small shade differences.

Applications:

Tree Nuts, Peanuts, Edible Beans, Coffee Beans, Corn, Soybeans, Pulses, Vegetable Seeds, Plastics, etc.

Rejects:

Minor color differences, speck defects, foreign material, insect damage, mold, decaying product, etc.

Sizes:

4 or 8 chutes

Evolution Specifications:

- Multilingual Touch Screen with a user friendly interface
- Utilizes full color camera technology to precisely sort a wide range of products
- Fully digital electronic package
- Patented long life, high intensity and focused LED illumination system
- Enhanced high speed micro-processing
- Internet accessibility via 'Satake-Everywhere' remote administration and support system

The Future is Here!



EVO 8

• Tree Nuts	• Peanuts	• Pulses	• Seeds	• Beans	• Coffee
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Evolution Benefits:

- EVO RGB optical sorter is ideal for multiple colored applications or minor shade differences
- Proprietary image capture processing software with ability to pin point defects and remove them accurately
- No lamp or optical filter change required during product changeover
- Improved high capacity material handling system, up to 50% more capacity
- High ejector density design for concentrating the rejected fraction
- Movable screen to observe the defect image data during product set up

RGB Full Color Technology

Evolution RGB utilizes proprietary software to combine the response from the red/green/blue (RGB) camera to form a 3D color space. The EVO RGB combines these responses in a manner that very closely imitates the human eye response to color.



EVO 4