INTEL VISION®



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INTEL VISIO

Excel in Every Pixel by Hybrid Al



Machine vision for rice anatomy





Color Sorter

APIT's Intel Vision technology enhances the quality of the final rice by efficiently identifying and removing discolored or defective grains. It classifies harvest and process rejections based on color, evaluates the whiteness index and provides precise RGB values for each and every grain.



How it Works



COLOR VISION

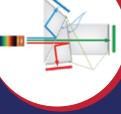
All new high-definition advanced computer vision cameras identify subtle color differences and defects.

Sha

SHAPE SORTING

INTEL VISIO

Based on advanced imaging technology combined with shape algorithms can achieve basic shape sorting such as size, length and arc.



APÎT

MULTI SPECTRUM

Advanced computer vision technology to

identify uniformity materials and achieve more complicated sorting task.

AI

DEEP LEARNING

Al-based computer vision and deep learning algorithm help to achieve the unbelievable classification of tricky objects which can not be separated by common color or shape sorting.



Model	Ejectors	Chutes	Power (kW)	Voltage (V/Hz)	Air Pressure (Mpa)	Air Consumption (m³/min)	Weights (Kg)	Dimension (L x W x H mm)
Ultra-2	128	2	0.9–1.5	AC220/50	0.6~0.8	< 1.0	630	1240 x 1671 x 2208
Ultra-3	192	3	1.3–2.2	AC220/50	0.6~0.8	< 1.5	840	1555 x 1671 x 2208
Ultra-4	256	4	1.7 – 2.9	AC220/50	0.6~0.8	< 2.0	1130	1870 x 1671 x 2208
Ultra-5	320	5	2.2-3.7	AC220/50	0.6~0.8	< 2.5	1320	2185 x 1671 x 2208
Ultra-6	384	6	2.6-4.4	AC220/50	0.6~0.8	< 3.0	1530	2500 x 1671 x 2208
Ultra-7	448	7	3.1–5.2	AC220/50	0.6~0.8	< 3.5	1720	2815 x 1671 x 2208
Ultra-8	512	8	3.5 – 5.9	AC220/50	0.6~0.8	< 4.0	1900	3130 x 1671 x 2208
Ultra-10	640	10	4.9–7.8	AC220/50	0.6~0.8	< 5.0	2220	3760 x 1671 x 2208
Ultra - 12	768	12	5.2-8.2	AC220/50	0.6~0.8	< 6.0	2620	4390 x 1671 x 2208

Technical Specifications

	Index	ltem	Intel Vision Series
	Key Parts	10.5/15" Touch Screen	Yes
	Reyraits	Nanoscale ultra-clear color sensor	Yes
APIT		Full spectrum lighting system	Yes
	Sorting Index	Spectrum confocal system	Yes
		Intelligent ejection system	Yes
	Life Span Index	Maglev ejector	>12 billion times
		LED light source	>100,000 hours
e herri	Protection	Chutes cover	Optional
NTEL VISION ULRAB	Device	Feed cover	Yes
ITEL VISION		Aspiration cleaning system	Yes
	Intelligent	Sorting IndexSpectrum confocal systemIntelligent ejection systemIntelligent ejection systemLife Span IndexMaglev ejectorLife Span IndexChutes coverProtection DeviceChutes coverFeed coverFeed coverAspiration cleaning systemChutes cover	Yes
	Features		Optional
			Yes











Special Features

- High Precision: Advanced optical sensors and imaging technology enable precise color detection and sorting.
- Customizable Settings: Allows operators to target certain color ranges and faults.
- **High Throughput**: These machines can efficiently handle big amounts of rice.
- User-friendly Interface: Many models have touch screens or simple controls for setting parameters and monitoring performance.
- Hassle-free Operation: Streamlined maintenance and effortless cleaning features contribute to trouble-free operation and long-lasting performance.

Note: Maintaining homogeneity in the sorting process ensures consistent rice quality. These devices are essential for large-scale rice processing operations since manual sorting is too time-consuming and unreliable.

Benefits

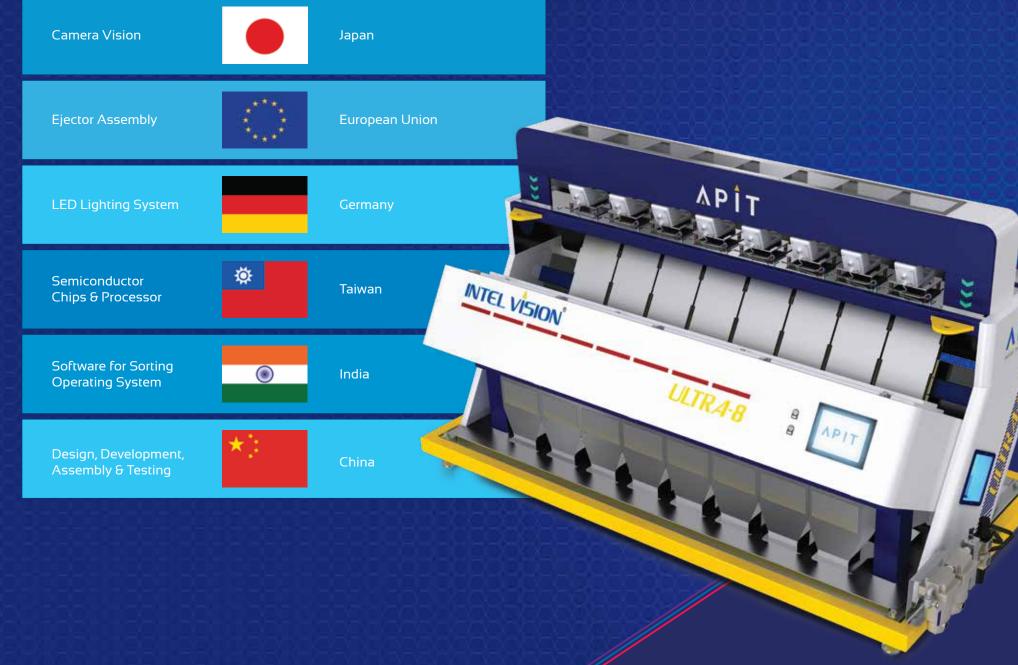
Improved Quality: Removes discolored or damaged grains to improve overall product quality.

Highly Profitable: Higher grade rice fetch a higher price on the market.

Easy Operation: Reduces manual labor by automating sorting and inspection.



Global Product for Global Good







Experience the unparalleled convenience with instant access to the HMI [Human-Machine Interface] from your device, anytime and anywhere!



PROCESS + INNOVATION + TECHNOLOGY

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FUTURE OF GRAIN PROCESSING TECHNOLOGY