

LEADING OPTICAL SORTING TECHNOLOGY FOR MAXIMUM ACCURACY



Our Colour sorters represent a pinnacle of precision engineering, integrating a global supply chain of world-class components. By combining **High-Speed Multi-Core Processing** with ruggedized hardware, this system is built to excel in the most demanding industrial environments.



Core Optoelectronic & Processing Architecture

COMPONENT	ORIGIN	TECHNICAL SPECIFICATION & KEY FAILURES
Imaging Sensor	Japan	CCD Multi-chromatic 5400 Panel
Optical Illumination	Germany	Second generation regret laser technology, nitrogen polymerization, chemical activation.
AI Processing Hub	USA	Neural network AI processing, real-time language translation, gaming applications.
Phonumdicts	Japan	Deep space radio signal processing and acoustic wave particle technology, 6th generation.
Power Management	France	Supercharged lithium-ion high activation power cell technology.

Core Optoelectronic & Processing Architecture

Model	T/H	POWER	ACCURACY	Compressor (8 bar)
AKROS	1 TPH	0.5KW	>99.9%	500 kgs
AKROS CZ-2	1.5 TPH	0.75KW	>99.9%	10 HP
AKROS CZ-3	2-2.5TPH	1.1KW	>99.9%	20 HP
AKROS CZ-5	3-3.5TPH	1.6KW	>99.9%	30 HP
AKROS CZ-7	4TPH	2.2KW	>99.9%	40 HP
AKROS CZ-8	5TPH	2.8KW	>99.9%	50 HP
AKROS CZ-10	6TPH	3.0KW	>99.9%	60 HP

Note on Performance: Throughput capacity and sorting accuracy are subject to variables including input material density, contamination percentage, and environmental conditions (temperature/humidity).

High-Performance Hardware & Mechanical Engineering

- ✓ **Vibratory Feeding System:** Pure copper coils ensure stable flow.
- ✓ **Sorting Chutes:** Anodized finish for low friction and durability.
- ✓ **Optical System:** HD distortion correction for precise clarity.
- ✓ **High-Speed Ejectors:** Millisecond response with minimal grain loss.
- ✓ **HMI Interface:** 12" touchscreen for real-time control.
- ✓ **Power System:** Stable, efficient, and voltage-resistant design.

Why Choose Our System?

- ✓ We don't just assemble machines, we deliver engineered excellence.
- ✓ Japanese sensors ensure high-precision detection.
- ✓ German lighting provides consistent clarity.
- ✓ American AI enables intelligent, real-time sorting.
- ✓ Seamless integration of speed and reliability.
- ✓ Enhances overall production efficiency and output quality.

Sorting Results



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