ISIWALL 2D
AUTOMATED RECIPROCATING SORTER

Automated Sorting for Efficient Logistics

The Reciprocating Sorter is a high-efficiency logistics solution designed to streamline parcel sorting in warehouse and distribution environments. Combining advanced scanning, precise weighing, and automated processes, this sorter ensures reliability and accuracy, even for irregularly shaped parcels.

The sorter supports various packaging materials: kraft sachets, envelopes, PE bags, bubble bags, and foam boxes.

Key Benefits

- **Efficiency:** Rapid, automated sorting reduces operational costs.

- **Traceability:** Detailed logs and barcode-linked image storage for up to 30 days.

- **Versatility:** Adapts to various parcel sizes and shapes.

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Sorting Process

Parcel Feeding: Operators place parcels face-up for scanning and sorting.

Scanning & Sorting: A robust scanning system captures barcodes and dimensions, sending data to the ISITEC system to identify destination chutes.

Handling Abnormalities: Unreadable codes or oversized parcels are diverted to dedicated abnormal item chutes for manual processing.

Parcel Collection: Chutes are equipped with detection systems for timely collection, supported by visual and audible indicators.

Characteristics

ITEM	PARAMETER	
Components	Automatic code reading system with a tablet PC. Static volume measurement system	
Parcel Specifications	Max Dimensions	400×300×300 mm
	Min Dimensions	100×100×5 mm
	Weight Range	20 g to 5 kg
	Sorting Speed	1800 pieces/hour (without weighing) and 1500 pieces/hour (with weighing)
	Accuracy	Volume measurement ±10 mm on one side Read code rate exceeds 99.99%