

Simple Operation / Stable Performance

# OPTICAL SORTER

GS2940AIS/5880AIS/8820AIS/11760AIS/DIS



GS5880AIS

### 1) Stable

An automatic calibration feature is introduced. When the fluorescent lamps become darker or the material condition changes, the CPU automatically recalibrates the signal readouts. The Sorting performance is maintained for longer periods without the need for intensive adjustment by an operator.

### 2) Usable

The new software is pre-programmed. Operation becomes much simpler, eliminating fluctuation of sorting performance due to human error. It achieves remarkable performance on parboiled rice sorting, as the new software is equipped with a feature to detect pale yellow.

### 3) Durable

The front/rear optical sections and the power unit are individually modulated, isolated and sealed. It is impervious to ingress of dust and bran, and heat is dissipated to the other parts of the equipment.

### 4) Flexible

The allocation of primary/secondary chutes for sorting is selectable. When defect contamination is high and a lot of primary reject is expected, the chute proportion can be changed on site within 30 minutes. The number of chutes for secondary sorting can be increased to 3 by taking 1 from the primary sorting stage.

(note : additional chute to replace is optional.)

### 5) Maintainable

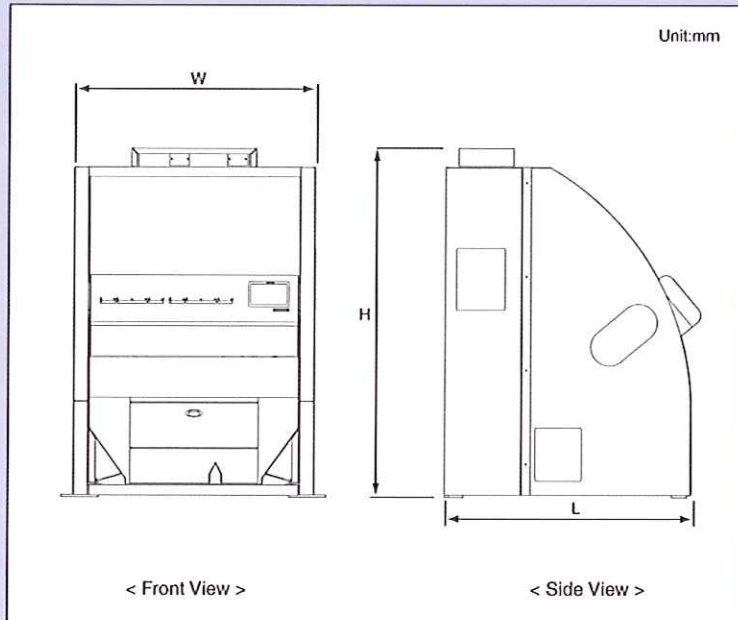
The modulated front optical section can be withdrawn for easy maintenance and quick replacement of fluorescent lamps.

## OPTICAL SORTER

### Specifications

Model		GS2940AIS	GS5880AIS	GS8820AIS	GS11760DIS
Power Requirement	Max	3.6kW	3.6kW	4.0kW	4.3kW
	Rated	2.0kW	2.6kW	3.2kW	3.8kW
Air Consumption		500 - 1,000 NI	600 - 1,500 NI	900 - 2,000 NI	1,000 - 2,500 NI
Maximum Throughput (Milled rice with less than 1%contamination)	Short Grain	2 - 3 t/H	5 - 6 t/H	8 - 9 t/H	10 - 12 t/H
	Long Grain	1.6 - 2.4 t/H	4 - 4.8 t/H	6.4 - 7.2 t/H	8 - 9.6 t/H
Channel Proportion (Primary : Secondary)	Standard	20 : 20	60 : 20	90 : 30	110 : 50
	Optional	-	50 : 30	80 : 40	100 : 60
Number of CCD Camera		4 units	8 units	12 units	16 units

### Dimensions



Model	W(mm)	L(mm)	H(mm)	Net Weight (kg)
GS2940AIS	930	1,310	1,860	650
GS5880AIS	1,280	1,310	1,860	700
GS8820AIS	1,580	1,310	1,860	850
GS11760DIS	1,920	1,310	1,860	1,100

All Satake products are the subject of continuous development and, as a result, their specification may change and differ in detail from those shown.

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SATAKE CORPORATION has  
obtained ISO 9001 and ISO  
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These international standards  
for management systems  
ensure Satake will continue to  
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