

## Vertical Transfer System Combined Display Center **SE Hall** Guide

### Permanently Installed Systems

- 2 Heavyweight Cargo Types / 2 Energy-saving Control Device Models /  
Automatic Loading/Unloading Level Adjustment Device 2 Level Adjustment Type
- 1 Medium-weight Cargo Type
- 9 Lightweight Cargo Types

### 〈Largest scale among domestic exhibitions〉

#### Vertical Transfer Systems (Vertical Conveyors) Combined Display Center

HOKUSHO developed the "Vertilator" vertical continuous transfer machine in 1963. Following that came vertical sorting and transfer machine "High-Tray" and vertical reciprocating transfer machine "Autolator," cementing HOKUSHO's status as a professional provider of precise, efficient solutions to the vertical transfer needs of distribution centers and factories.

"SE Hall," our combined vertical transfer system (vertical conveyor) display center, has been established within our head office grounds as a representation of our rich years of experience, showcasing 12 models of the above three vertical transfer machine types.

SE Hall offers visitors the unique chance to view a range of conveyors in a short space of time. For those who are considering implementing vertical transfer systems, or would like to conduct transfer tests or otherwise gain a better understanding of our models and solve any concerns in advance, we heartily recommend a visit to SE Hall.



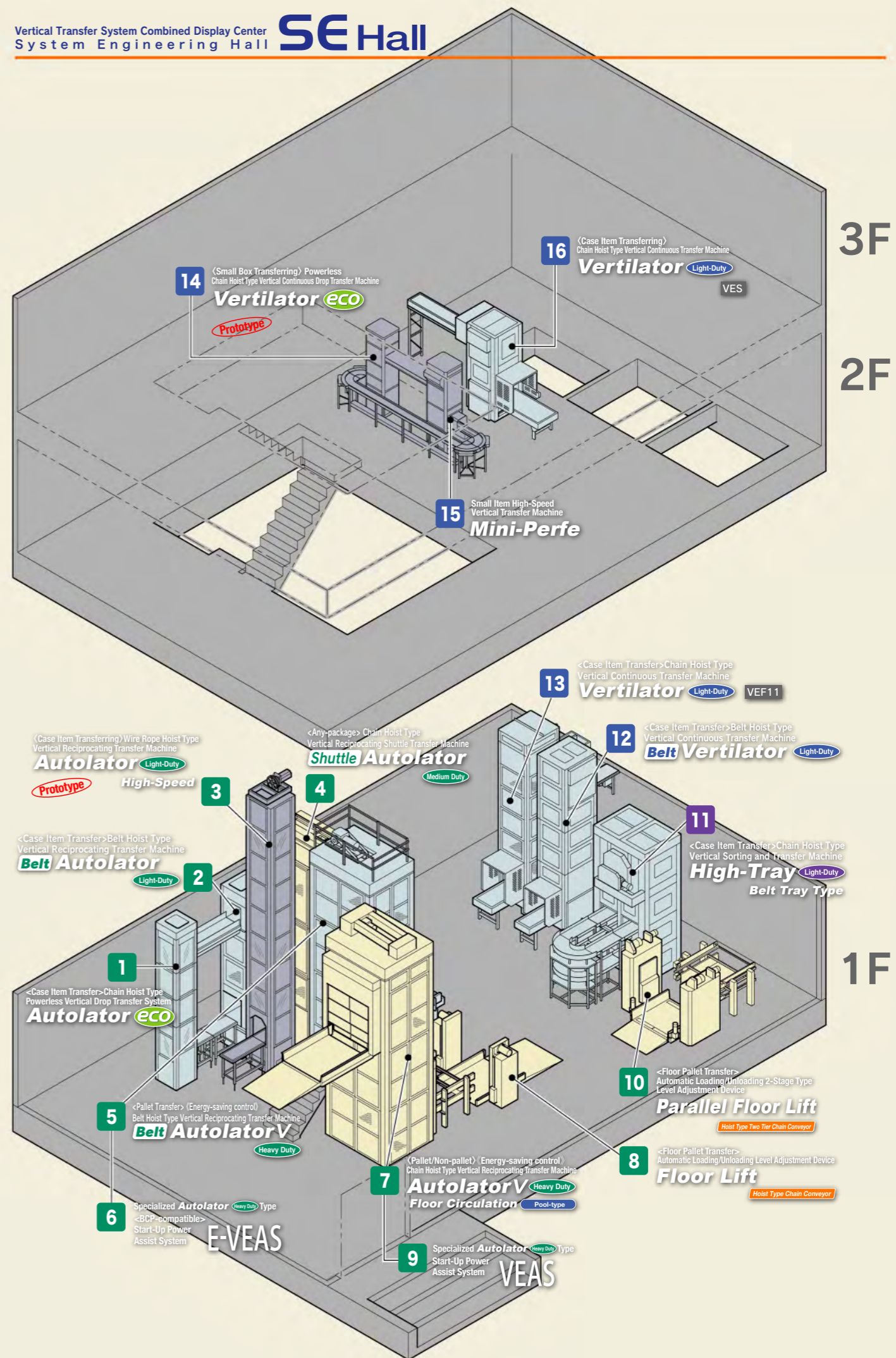
[Facility Overview]

- Name: SE Hall (System Engineering Hall)
- Location: E-6, Shimenomachi, Kanazawa City, Ishikawa Prefecture, 920-8711 Japan (within HOKUSHO Head Office grounds)
- Site area: approx.580m<sup>2</sup>
- Structure: 3 stories/reinforced concrete

2F exhibition floor (ceiling height: 2790 mm)



1F exhibition floor (ceiling height: 2790 mm)





**Exhibited Machines Specifications List**

No.	Product name	Main unit type	Main unit dimensions (mm)	Conveyor item size /weight		Transfer direction type	Approx. transfer performance	Main Unit Transfer Speed (m/min)		Main Unit Electric Motor Specifications	Special items (including options/special order specifications)
				Largest	Smallest			Vertical	Horizontal		
1	<b>Autolator ECO</b>	ARS-E04-0506-Z2PPC	W780×790×H4,250	500 (W) × 600 (L) × 350 mm (H) 16 kg 500 (W) × 600 (L) × 500 mm (H) 16 kg	350 (W) × 450 (L) × 100 mm (H) 8 kg	E type (front-to-front facing)	150 units/hour	34~40	17		●2011 "Kanazawa Brand Excellent New Product" certified product
2	<b>Belt Autolator (Light Duty)</b>	AEF-E05-0406-V2PPB	W1,020×L950×H4,645	400 (W) × 600 (L) × 350 mm (H) 60 kg 400 (W) × 600 (L) × 800 mm (H) 60 kg	200 (W) × 235 (L) × 100 mm (H) 0.5 kg	E type (front-to-front facing)	150 units/hour	75	17	Gear motor, 1.5kW (w/ brake) Inverter speed control	●Belt Hoist Type [30 mm wide Timing Belt×2] ●MR type ascending/descending cage conveyor specification
3	<b>Autolator (Light Duty) High-Speed</b>	AX-E08-0406-S2PPW	W928×L1,000×H8,469	300 (W) × 400 (L) × 400 mm (H) 10 kg	200 (W) × 235 (L) × 100 mm (H) 0.5 kg	E type (front-to-front facing)	160 units/hour	300	20	Servomotor 7.0kW (w/ brake) Servo driver control	●Wire Rope Hoist Type(φ8 mm×2 ropes), Loading/unloading tunnel cover
4	<b>Shuttle Autolator (Medium Duty)</b>	LZSW-E05-1212-V2PX	W2,170×L1,600×H5,212	1,200 (W) × 1,200 (L) × 2,000 mm (H) 500 kg	Within range shown to left	E type (front-to-front facing)	20 times/hour	16	12	Gear motor, 1.5kW (w/ brake) Inverter speed control	●2012 "Kanazawa Brand Excellent New Product" certified product ●Manually opened entrance blocking fence
5	<b>Belt Autolator (Heavy Duty)</b>	AEWW-E06-1313-V2PXB	W2,280×L1,696×H6,252	900 (W) × 1,100 (L) × 1,200 mm (H) 1,000 kg (1,100 (W) × 1,100 (L) × 2,400 mm (H) 1,000 kg)	800 (W) × 800 (L) × 150 mm (H) 15 kg	E type (front-to-front facing)	90 pallets/hour	60	20	Gear motor, 7.5kW (w/ brake) Inverter speed control	●Belt Hoist Type [115 mm wide Timing Belt×2] ●E-VEAS as standard ●Predictive Maintenance Solution display panel
6	<b>&lt;BCP-compatible&gt; Start-Up Power Assist System [E-VEAS]</b>	—	W880×D400×H1,200 (Control panel + built-in capacitor)	—	—	—	—	—	—	—	●Fitted with BCP-Compatible Independent Start-Up Mode ●Power consumption reduced by up to 50% ●Reduces power equipment capacity by up to 40%
7	<b>Autolator V (Heavy-Duty) Floor Circulation</b>	AENWW-F06-1415-V2PXC	W2,380×L1,887×H6,382	1,000 (W) × 1,100 (L) × 1,500 mm (H) 500 kg (1,000 (W) × 1,100 (L) × 2,400 mm (H) 1,500 kg)	Within range shown to left	F type (front-to-front, front-to-rear facing)	35 times/hour *No top section floor lift	60	24	Gear motor, 7.5kW (w/ brake) Inverter control	●Space-efficient specification (2F No Floor Lift) ●Slide type auto shutter ●VEAS as standard ●Predictive Maintenance Solution display panel
8	<b>Automatic Loading/Unloading Level Adjustment Device Floor Lift</b>	NPL-1415	—	1,000 (W) × 1,100 (L) × 1,500 mm (H) 500 kg (1,000 (W) × 1,100 (L) × 2,400 mm (H) 1,500 kg)	Within range shown to left	—	AENW + floor lift (up/down 2 platforms) 75 units/hour	7	24	Fluctuation: 1.5 kW (w/ brake) Inverter speed control Horizontal: 0.75 kW (w/ brake) Inverter speed control	●(Pallet/Non-pallet) Autolator (Heavy Duty) Types Specialized
9	<b>Start-Up Power Assist System [VEAS]</b>	—	W800×D400×H1,500 (Control panel + built-in capacitor)	—	—	—	—	—	—	—	●2012 "Energy Conservation Grand Prize" winning product ●Reduces power consumption by up to 38% ●Reduces power equipment capacity by up to 40%
10	<b>Automatic Loading/Unloading 2-Stage Type Level Adjustment Device Parallel Floor Lift</b>	EPL-1515	—	1,100 (W) × 1,100 (L) × 1,500 mm (H) 500 kg (1,100 (W) × 1,100 (L) × 2,400 mm (H) 2,000 kg)	Within range shown to left	—	AEEW + parallel floor lift (up/down 2 platforms) 90 units/hour	Upper: 7 Lower: 5	24	Fluctuation: 1.5kW/0.4 kW (w/ brake) Inverter speed control Transfer: 0.75 kW/0.2 kW (w/ brake) Inverter speed control	●Specialized (Pallet/Non-pallet) Autolator (Heavy Duty) Type ●Twin-motor type hoisting drive unit specification (standard specification)
11	<b>High-Tray (Light Duty) Belt Tray Type</b>	HBF-E04-0406-2P	W1,960×1,366×H3,945	350 (W) × 400 (L) × 150 mm (H) 20 kg 350 (W) × 500 (L) × 400 mm (H) 20 kg	100 (W) × 150 (L) × 20 mm (H) 0.5 kg	E type (front-to-front facing, H type station)	1,500 units/hour	23	100 (Mechanically driven)	Gear motor, 2.2kW (w/ brake) Inverter speed control	●Mechanically driven belt tray (motorless) energy-saving design
12	<b>Belt Vertilator (Light Duty)</b>	VBS14-Z05-0404-PP	W1,130×1,220×H5,018	400 (W) × 400 (L) × 250 mm (H) 20 kg 400 (W) × 400 (L) × 500 mm (H) 20 kg	200 (W) × 230 (L) × 75 mm (H) 0.5 kg	Z type (front-to-rear facing) only	3,000 units/hour	50	50	Gear motor, 1.5kW (w/ brake) Inverter speed control	●Belt Hoist Type [30 mm wide Timing Belt / Belt color: blue (standard specification)] ●Encoder control ●Predictive Maintenance Solution display panel
13	<b>Vertilator (Light Duty)[VEF11]</b>	VEF11-Z05-0505-XP	W1,100×L1,252×H4,760	500 (W) × 500 (L) × 400 mm (H) 25 kg 500 (W) × 500 (L) × 1,000 mm (H) 100 kg	200 (W) × 300 (L) × 75 mm (H) 0.5 kg	Z type (front-to-rear facing)	1,200 units/hour	25	25	Gear motor, 0.75kW (w/ brake) Inverter speed control	●Top panel blocking exterior ●Auto-Assistor: BDA48
14	<b>Vertilator ECO</b>	VRS-Z03-0203	W490×L630×H2,552	150 (W) × 180 (L) × 120 mm (H) 0.25 kg	100 (W) × 100 (L) × 20 mm (H) 0.2 kg	Z type (front-to-rear facing)	1,200 units/hour	タクト下降方式 (タクトタイム:3秒)	20	Assist motor (10W)	●Takt Drop Method (Prototype)
15	<b>Mini-Perfe</b>	VCS-Z02-0203	W630×L755×H2,310	150 (W) × 180 (L) × 120 mm (H) 0.25 kg 200 (W) × 300 (L) × 150 mm (H) 2 kg	100 (W) × 100 (L) × 20 mm (H) 0.2 kg	Z type (front-to-rear facing) only	1,150 units/hour	20	20	Gear motor, 0.2kW (w/ brake) Inverter speed control	●Sales: Okura Yusoki Co., Ltd.
16	<b>Vertilator (Light Duty) [VES]</b>	VES-Z03-0505-PP	W900×L1,061×H2,535	400 (W) × 400 (L) × 400 mm (H) 20 kg 400 (W) × 400 (L) × 700 mm (H) 20 kg	200 (W) × 270 (L) × 100 mm (H) 0.5 kg	Z type (front-to-rear facing)	1,850 units/hour	36	36	Gear motor, 0.75kW (w/ brake) Inverter speed control	●Auto-Assistor: MRCA ●Independent control panel specifications

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SE Hall

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HOKUSHO Web Site



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