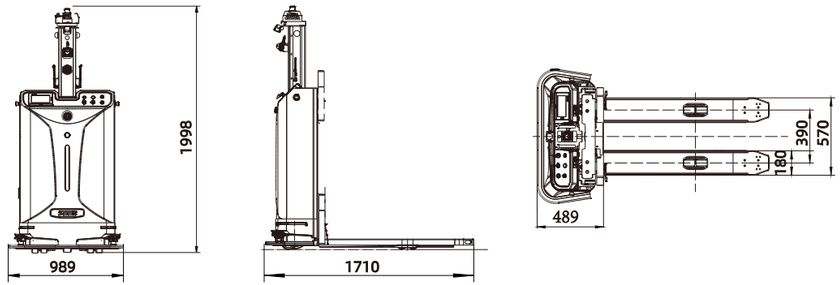
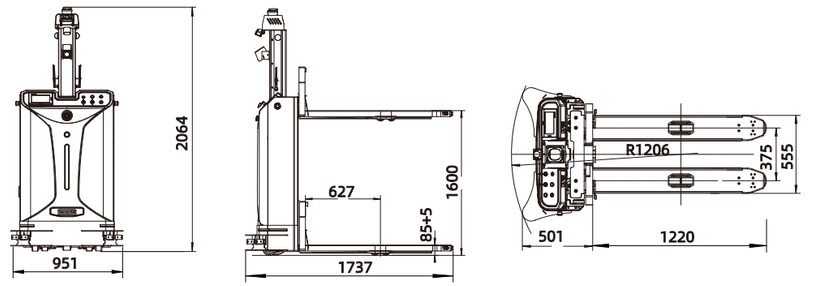
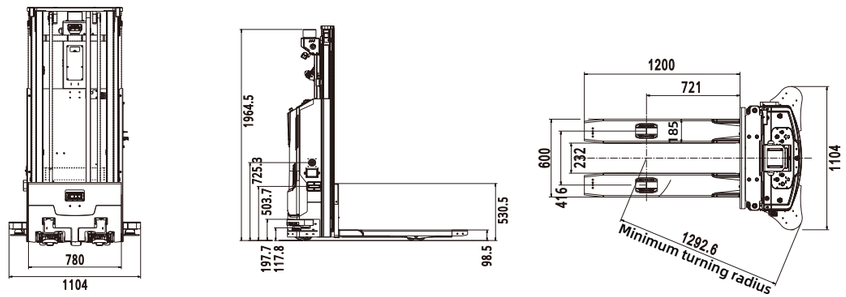
SFL-CDD14



SFL-CDD14-CE



SSS-1500EU



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Build your own robot fleet within days.

SEER Robotics Stack Truck Series

One Series for All, Worry-free in Your Scenarios

Flagship Stacking Series, One-stop Solution for Multiple Scenarios

This series includes stack trucks with different specifications and different load capacities. It can meet the demands of stacking and destacking in both common scenarios and special ones such as narrow aisles, offering wider applicability.

AI Deep Learning, More Intelligent Recognition

Support AI recognition of multi-specification and multi-color pallets, as well as material racks, cages, etc. It can adaptively recognize from multiple angles and with high precision, achieve stable picking-up and dropping-off of goods, and make the recognition more intelligent.

Multiple Navigation Options, Positioning Accuracy up to ±10 mm

It supports navigation methods like SLAM, reflectors, and NFL, covering navigation needs in various business scenarios, such as secondary positioning, highly dynamic environments, and unmodified environments, etc.; the positioning accuracy can reach ±10 mm.

Multiple Customizations, Tailored to Your Needs

A diverse array of sensor solutions such as 3D cameras and distance sensors are optionally available, and customization of fork width, color, logo, etc. is supported, perfectly catering to the demands of various scenarios.

● Standard ○ Optional - None				
	Product model	SFL-CDD14	SFL-CDD14-CE	SSS-1500EU
Basic parameters	Operation type	Automatic navigation, by manual control device	Automatic navigation, by manual control device	Automatic navigation, by manual control device
	Navigation type	Laser SLAM	Laser SLAM	Laser SLAM
	Pallet type	Open pallet	Open pallet	Open pallet
	Rated load capacity	1400 kg	1400 kg	1500 kg
	Load center distance	600 mm	600 mm	600 mm
	Weight (with battery)	680 / 740 kg	680 / 740 kg	835 kg
	Standard lifting height	1600 / 3000 mm	1600 / 3000 mm	3030 mm
	Forklift dimensions: L x W x H	FREE / P+F: 1710 x 989 x 1998 / 1710 x 989 x 2247 mm	P+F: 1722 x 951 x 2064 / 1722 x 951 x 2234 mm SICK: 1722 x 951 x 2042 / 1722 x 951 x 2234 mm	1681 x 1104 x 1997.5 mm
	Fork dimensions: L x W x H	1220 x 180 x 70 mm	1220 x 180 x 70 mm	1200 x 185 x 55 mm
	Fork outer width	570 / 680 mm	555 / 570 / 680 mm	555 / 600 mm
	Right-angle stacking aisle width, pallet 1000×1200 (1200 placed along the fork)	1951+200 mm	1966+200 mm	2025+200 mm
	Right-angle stacking aisle width, pallet 800×1200 (1200 placed along the fork)	1885+200 mm	1911+200 / 1914+200 / 1936+200 mm	1960+200 mm
	Right-angle stacking aisle width, pallet 1000×1000 (1000 placed along the fork)	1822+200 mm	1911+200 / 1914+200 / 1936+200 mm	1822+200 mm
	Minimum turning radius	1227+200 mm	1206+200 mm	1292.6 mm
	Ambient temperature and humidity range	TEMP: 0℃ to 50℃ / RH: 10% to 90%, no compression, no condensation	TEMP: 0℃ to 50℃ / RH: 10% to 90%, no compression, no condensation	TEMP: 0℃ to 50℃ / RH: 10% to 90%, no compression, no condensation
Performance parameters	Driving speed: full load / no load	1.2 / 1.5 m/s	1.2 / 1.5 m/s	1.5 / 1.8 m/s
	Passability (slope / step / gap)	< 5% / 5 mm / 15 mm	< 5% / 5 mm / 15 mm	< 5% / 20 mm / 30 mm
	Navigation position accuracy	±10 mm	±10 mm	±10 mm
	Navigation angle accuracy	±0.5°	±0.5°	±0.5°
Battery parameters	Battery specifications	24 V / 210 Ah (lithium iron phosphate)	24 V / 180 Ah (lithium iron phosphate)	24 V / 212 Ah (lithium iron phosphate)
	Comprehensive battery life	10 h	10 h	10 h
	Charging time (10% to 80%)	2 h	2 h	2 h
	Charging method	Manual / Automatic	Manual / Automatic	Manual / Automatic
Function configurations	Lidar number	1 (FREE H1 / P+F R2000-25M) +3 (FREE C2)	1 (SICK nanoScan3 Core / P+F OMD30M-R2000-B23-V1V1D-HD-1L) +3 (2 (SICK nanoScan3 Core) +1 (OLEI LR-1BS2H))	1 (P+F R2000)+3 (SICK HV)
	Wi-Fi roaming	●	●	●
	3D obstacle avoidance	○	○	○
	Pallet recognition	○	○	○
	Cage stack	○	○	○
	High shelf pallet recognition	○	○	○
	Pallet stack	○	○	○
	HMI display	●	●	●
Safety configurations	E-stop button	●	●	●
	Sound and light indicator	●	●	●
	Braking distance: 1 m/s / 1.5 m/s	≤30 cm / ≤50 cm	≤30 cm / ≤50 cm	≤30 cm / ≤50 cm
	360° laser protection	●	●	●
	Bumper strip	●	-	●
	Fork height protection	●	●	●
Certifications	ISO 3691-4	-	●	-
	EMC	●	●	-
	UN38.3	●	●	-
	RED	-	-	-
	Global series	Yes	Yes	Yes
	Product series	SEER Stack Truck	SEER Stack Truck	SEER Stack Truck