



Safety SEER Counterbalance Truck SCB-2000EU

CE Safety Certification, Intelligent High Load Capacity



CE Certification, Safety Guaranteed

The robot has passed the CE safety certification (ISO3691-4:2023) and other related certifications, ensuring safer operation.



AI Carrier Recognition, Precise and Efficient

Equipped with the AI deep recognition algorithm and the deep recognition camera, it can identify the carriers in real time. The truck can be manually adjusted within a range of 400 mm to 700 mm. It supports pallets, racks and cages of multiple sizes and types. It can recognize (such as nine-legged pallets, open pallets, and non-standard pallets) from multiple angles with high precision.



15-hour Long Endurance, 2-Minute Quick Battery Swap

Supports beginners with a 2-minute quick battery swap, ensuring worry-free endurance. Equipped with a 48V / 315 Ah battery for 12-15 hours of long endurance, paired with a 48 V fast-charging pile. Just 10 minutes of charging provides half an hour of operation.



360° Scanning Range, Multi-layer Safety Protection

The 360° maximum scanning range and 40 m detection range provides a broader vision and enhanced safety. Equipped with 2D obstacle avoidance laser, distance sensor and hardware self-checks, our robot offers you unparalleled multi-layer safety protection.




Flexible Customization with 4 Options

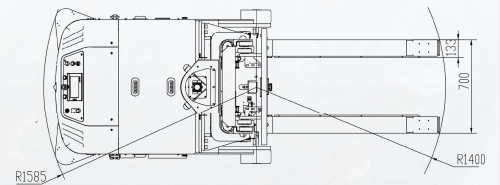
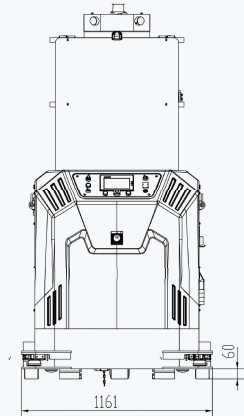
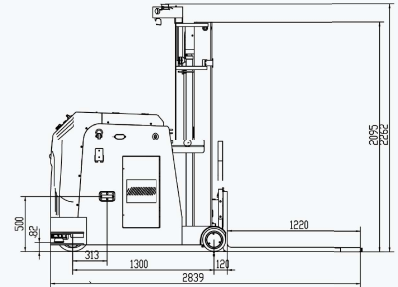
Supports customization of fork width, vehicle height, color and logo. Tailor-made to meet the diverse requirements of your unique business scenarios.



Ultrasonic Detection, Safe Stacking

Real-time ultrasonic detection of the separation status between goods and forks, coupled with adaptive laser dynamic monitoring of load height during stacking, ensuring safe stacking.

		
	<p>● Standard ○ Optional</p>	
	Product model	SCB-2000EU
Basic parameters	Operation type	Automatic navigation
	Navigation type	Laser SLAM
	Pallet type	Open pallet / closed pallet
	Rated load capacity	2000 kg (4409.24 lb)
	Load center distance	500 mm (19.69 in)
	Weight (with battery)	3230 / 3410 kg (7117.92 / 7517.56 lb)
	Standard lifting height	3000 / 4000 mm (118.11 / 157.48 in)
	Forklift dimensions: L x W x H	2839 x 1161 x 2250 mm 2851 x 1161 x 2327 mm (111.77x45.71x88.58 / 112.24x45.71x91.61 in)
	Fork dimensions: L x W x H	1220 x 133 x 40 mm (48.03x5.24x1.57 in)
	Fork outer width	400 mm to 700 mm (15.75 to 27.56 in)
	Right-angle stacking aisle width, pallet 1000x1200 (1200 placed along the fork)	2997+200 / 3009+200 mm (117.99+7.87 / 118.46+7.87 in)
	Right-angle stacking aisle width, pallet 800x1200 (1200 placed along the fork)	2985+200 / 2997+200 mm (117.52+7.87 / 117.99+7.87 in)
	Right-angle stacking aisle width, pallet 1000x1000 (1000 placed along the fork)	2985+200 / 2997+200 mm (117.52+7.87 / 117.99+7.87 in)
Performance parameters	Minimum turning radius	1585 mm (62.40 in)
	Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation (TEMP: 32°F to 122°F / RH: 10% to 90%, no compression, no condensation)
	Driving speed: full load / no load	1.0 / 1.5 m/s (3.28 / 4.92 ft/s)
	Passability (slope / step / gap)	< 5% / 10 mm / 30 mm (< 5% / 0.39 in / 1.18 in)
Battery parameters	Navigation position accuracy	±10 mm (±0.39 in)
	Navigation angle accuracy	±1°
	Battery specifications	48 V / 315 Ah (lithium iron phosphate)
	Comprehensive battery life	12 h to 15 h
Function configurations	Charging time (10% to 80%)	3 h to 5 h
	Charging method	Manual / Automatic
	Lidar number	1 (P+F R2000) +3 (SICK HV) or 1 (P+F R2000) +2 (SICK HV) +1 (C200)
	Wi-Fi roaming	●
Safety configurations	3D obstacle avoidance	○
	Pallet recognition	●
	Cage stack [3]	○
	High shelf pallet recognition [3]	○
Certifications	Pallet stack [5]	○
	HMI display	●
	E-stop button	●
	Sound and light indicator	●
Global series	Braking distance: 1 m/s / 1.5 m/s	≤30 cm / ≤50 cm (≤11.81 in / ≤19.69 in)
	360° laser protection	●
	Bumper strip	●
	Fork height protection	●
Product series	ISO 3691-4	●
	EMC	●
	UN38.3	●
	RCD	●
	Global series	YES
	Product series	SEER Counterbalance Truck



Dimension: 3-meter lifting height for example

