



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 48V 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.



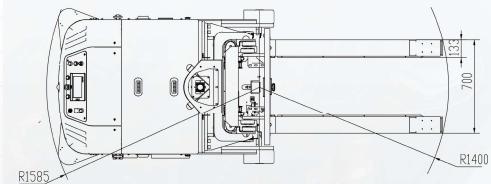
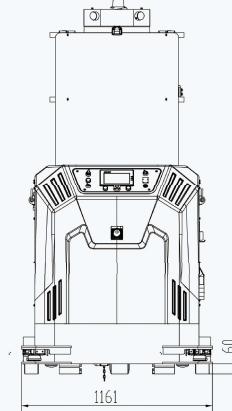
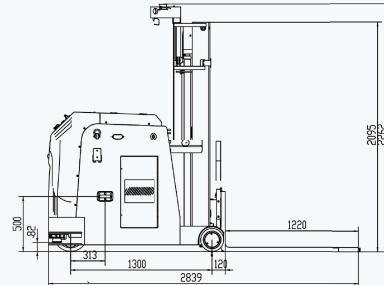
Ultrasonic Detection, Safe Stacking

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.

● Standard ○ Optional



Product model	SCB-2000U
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)
Basic parameters	Forklift dimensions: L x W x H 2839 x 1161 x 250 mm 2851 x 1161 x 327 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) 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: 32F to 122F / RH: 10% to 90%, no compression, no condensation)
Performance parameters	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) Navigation position accuracy ±10 mm (±0.39 in) Navigation angle accuracy ±1°
Battery parameters	Battery specifications 48 V / 315 Ah (lithium iron phosphate) Comprehensive battery life 12 h to 15 h Charging time (10% to 80%) 3 h to 5 h Charging method Manual / Automatic
Function configurations	Lidar number 1 (P+F R2000) +3 (SICK HV) or 1 (P+F R2000) +2 (SICK HV) +1 (C200) Wi-Fi roaming ● 3D obstacle avoidance ○ Pallet recognition ● Cage stack [3] ○ High shelf pallet recognition [3] ○ Pallet stack [5] ○ HMI display ●
Safety configurations	E-stop button ● Sound and light indicator ● 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 ●
Certifications	ISO 3691-4 ● EMC ● IEC 60383 ● RCD ●
Global series	YES
Product series	SEER Counterbalance Truck



Dimension: 3-meter lifting height for example



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