SEER ROBOTICS

Build your own robot fleet within days.



Load Type



Safety SEER Counterbalance Truck

SCB-3000EU

CE Safety Certification, Superb Load Capacity, Flexible Expansion

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, Highly 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 450 mm to 750 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.

12-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 10-12 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.

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.

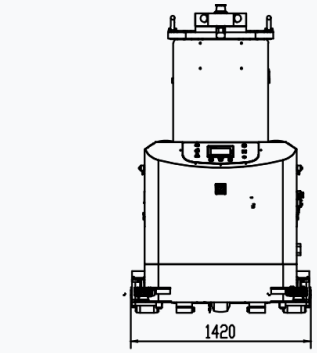
3 T Intelligent High Load Capacity, Multiple Flexible Customizations

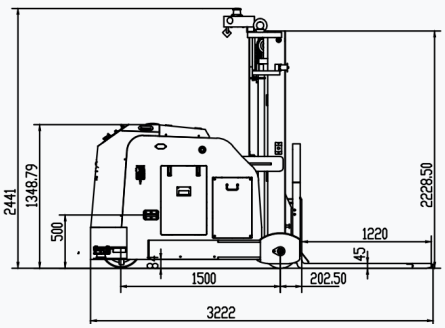
Featuring a 3-ton superb load capacity, it supports intelligent cargo detachment detection, soft body safety stacking. It supports multiple flexible customizations, such as size, fork automatic pitch, fork automatic adjustment, etc.

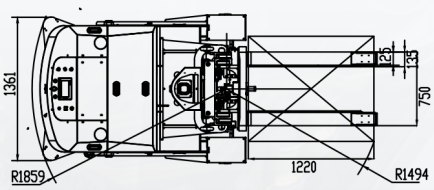
● Standard ○ Optional



	Product model	SCB-3000EU
Basic parameters	Operation type	Automatic navigation
	Navigation type	Laser SLAM
	Pallet type	Open pallet / closed pallet
	Rated load capacity	3000 kg (6613.86 lb)
	Load center distance	500 mm (19.69 in)
	Weight (with battery)	4970 / 5030 kg (10956.96 / 11089.24 lb)
	Standard lifting height	3000 / 3500 mm (118.11 / 137.80 in)
	Forklift dimensions: L x W x H	3222 x 1420 x 2441 mm 3302 x 1420 x 2718 mm (126.85×55.91×96.10 / 130.00×55.91×107.01 in)
	Fork dimensions: L x W x H	1220 x 135 x 45 mm (48.03×5.31×1.77 in)
	Fork outer width	450 mm to 750 mm (17.72 to 29.53 in)
	Right-angle stacking aisle width, pallet 1000×1200 (1200 placed along the fork)	3348+200 / 3417+200 mm (131.81+7.87 / 134.53+7.87 in)
	Right-angle stacking aisle width, pallet 800×1200 (1200 placed along the fork)	3339+200 / 3417+200 mm (131.46+7.87 / 134.53+7.87 in)
	Right-angle stacking aisle width, pallet 1000×1000 (1000 placed along the fork)	3339+200 / 3417+200 mm (131.46+7.87 / 134.53+7.87 in)
	Minimum turning radius	1859 mm (73.19 in)
	Ambient temperature and humidity range	TEMP: 0℃ to 50℃ / 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)	< 3% / 10 mm / 30 mm (< 3% / 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	10 h to 12 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	●
	UN38.3	●
	RED	●
	Global series	YES
	Product series	SEER Counterbalance Truck







Dimension: 3-meter lifting height for example

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