



MF1000PT

High Compatibility, Fearless of Pallet Types



Compatible with Various Pallets, Worry-free Handling

Compatible with the handling of various types of pallets, such as open pallets, and closed pallets.



1200 mm Slim Vehicle Body, 1 T Load Capacity

The pallet truck newly designed by SESTO Robotics has a load capacity of up to 1 ton. The vehicle width is only 1200 mm, and the minimum aisle width is only 1300 mm, ensuring smooth passage in narrow aisles.



AI Deep Learning, Recognize Multiple Carriers

With AI deep learning technology, it can recognize pallets in various specifications, different colors, wrapped or damaged pallets, and racks and cages. It can also adaptively recognize from multiple angles and with high precision for stable loading and unloading.



4 Navigation Options, Accuracy up to ± 10 mm

Supports multiple navigation methods such as S LAM, reflectors, and NFL. The repeat positioning accuracy can reach ± 10 mm, covering the navigation needs of various scenarios.



Flexible Customization, 4 Options Available

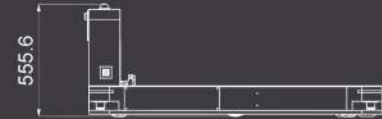
Supports four customization methods including fork width, vehicle height, color, and logo to flexibly meet various customization needs.



Intelligent Fleet Manager That Optimized Your Workflow

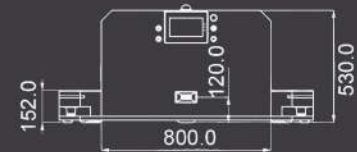
Sesto Robotics' MagFleet uses AI to optimise the delivery throughput and prevent congestion

● Standard ○ Optional



Basic Parameters

Product Name	MF1000PT
Operation type	Automatic navigation
Navigation type	Laser SLAM
Pallet type	Open pallet / closed pallet
Rated load capacity	1000 kg
Load center distance	100 mm
Weight (with battery)	450 kg
Standard lifting height	190 mm
Forklift dimensions: L × W × H	1450 × 1200 × 556 mm
Fork dimensions: L × W × H	1220 × 168 × 60 mm
Fork outer width	610 mm
Right-angle stacking aisle width, pallet 1000×1200 (1200 placed along the fork)	2000 mm
Right-angle stacking aisle width, pallet 800×1200 (1200 placed along the fork)	2000 mm
Right-angle stacking aisle width, pallet 1000×1000 (1000 placed along the fork)	2000 mm
Minimum turning radius	900 mm
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation



Performance parameters

Driving speed: full load / no load	1.1 m/s
Passability (slope / step / gap)	<3% / 5 mm / 10 mm
Navigation position accuracy	±10 mm
Navigation angle accuracy	±1°

Battery parameters

Battery specifications	48 V / 36 Ah (lithium iron phosphate)
Comprehensive battery life	8 h
Charging time (10% to 80%)	1.5 h
Charging method	Manual / Automatic

Function configurations

Lidar number	1 (P+F R2000) + 2 (SICK / nanoScan3 Hv)
Wi-Fi roaming	●
3D obstacle avoidance	●
Pallet recognition	●
HMI display	●

Safety Configurations

E-stop button	●
Sound and light indicator	●
Braking distance: 1 m/s / 1.5 m/s	≤30 cm / ≤50 cm
360° laser protection	●
Bumper strip	●
Fork height protection	●
Global series	Yes
Product series	SESTO Pallet Truck

