

WRC-based Laser SLAM **small stacker automatic forklift**

WMF-1000



High precision

Pallet recognition+Accurate handling



Flexible dispatching

Seamless access to dispatching system



Comprehensive defense

Obstacle avoidance laser
+Bumper bar+Range sensor
+3D Camera - 360° free protection



Small dimension

Narrow aisles working with
short gyration radius



Good applicability

Ramp, gap, elevator, transfer, stacker

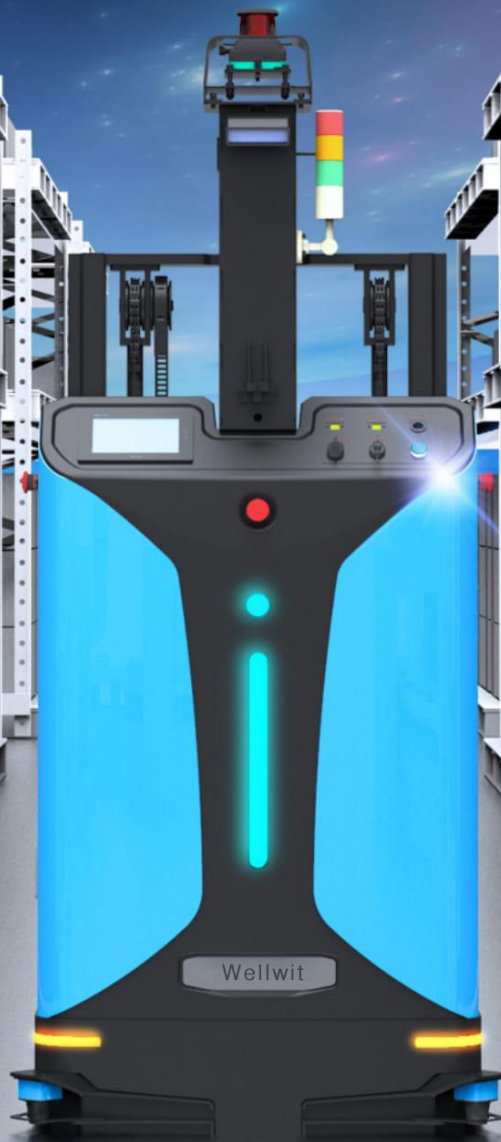


Genuine Laser SLAM

Simple to dispatch without reflectors

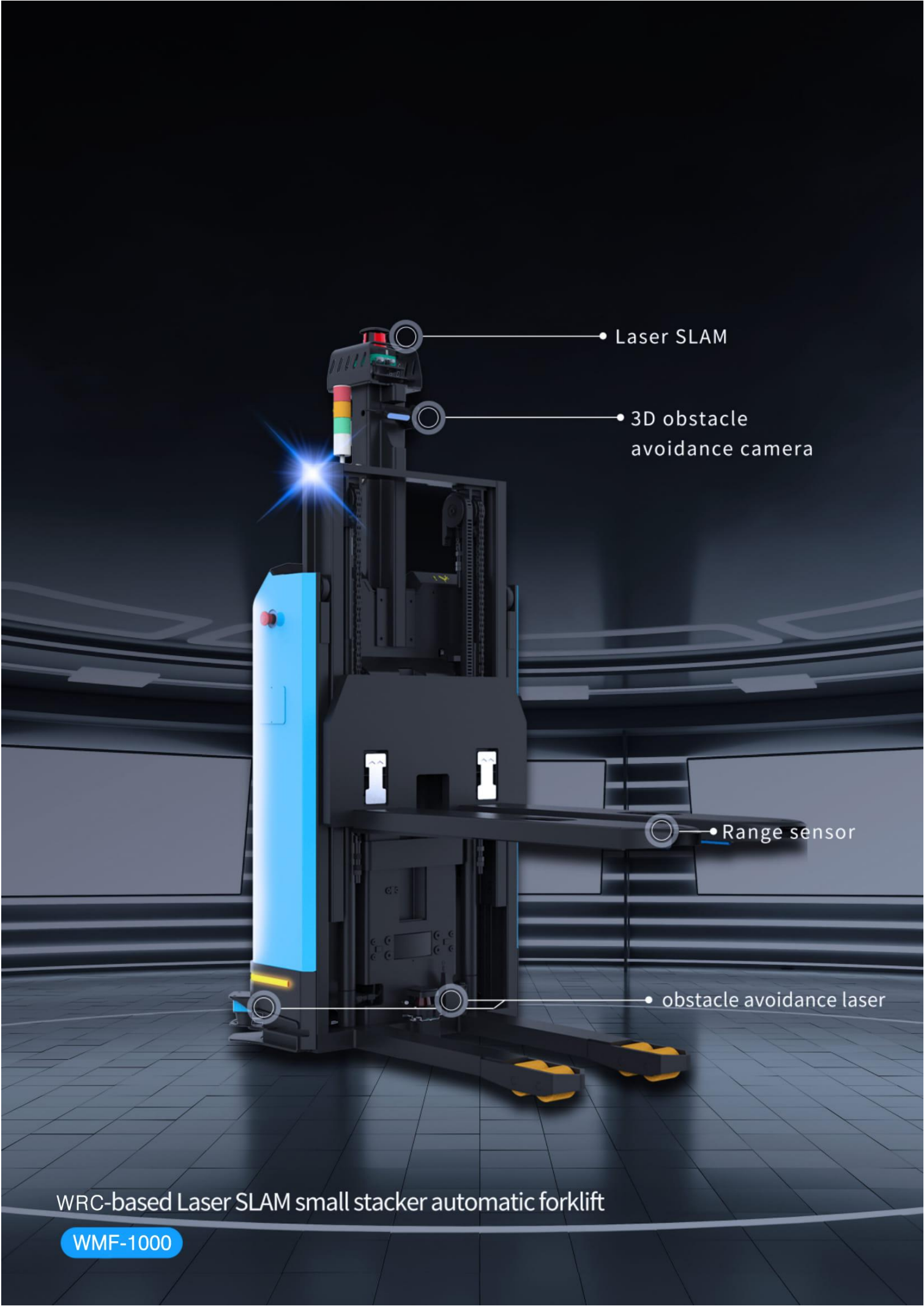


Universal For Narrow Aisle



WRC-based Laser SLAM small stacker automatic forklift

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• Laser SLAM

• 3D obstacle avoidance camera

• Range sensor

• obstacle avoidance laser

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Specifications

Descriptions

Manufacturer		Wellwit
Model designation		WMF-1000
Power unit		Electric
Operation		Telecontrol/Laser navigation
Load capacity	Q	<1400kg
Load center	c	600mm
Axle centre to fork face	x	648mm
Wheelbase (fork raised/lowered)	y	877mm
Weight (including battery)		680kg
Axle load with load, drive/load side		730/1350kg
Axle load without load drive/load side		450/230kg
Tyre,operator/load side: Rubber(R), polyurethane(PU)		Polyurethane
Tyre size, drive side		Φ230×75mm
Tyre size, load side		Φ80×54mm
Tyre size, balancing side		Φ115×55mm
Wheels number, drive/load side (x=driven)		1x-2/4
Track width, drive side	b10	390/500mm
Track width, load side	b11	538mm
Height of mast, lowered	h1	2040mm
Lift height	h3	1600mm
Height of mast, extended	h4	2130mm
Fork height, lowered	h5	85mm
Navigation height	h6	2000mm
Charging port center height	h7	500mm
Overall length	L1	1565mm
Length to fork face	L2	416mm
Charging port center distance, front end of shelving	L3	180mm
Overall width	b1	882mm
Fork size (length/width/height)	l/e/s	1150/180/55mm

Specifications

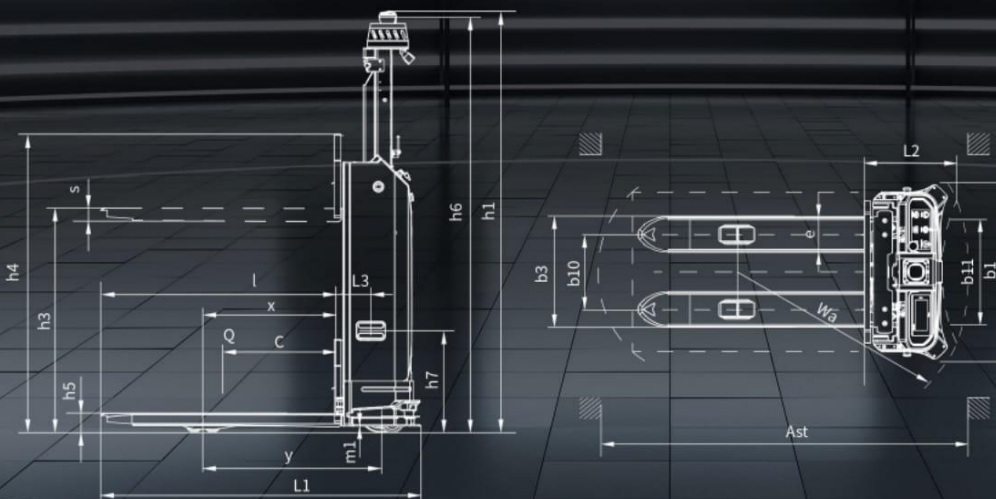
Descriptions

Width of fork (outside)	b3	560/680 (note1)
Minimum ground clearance	m1	30mm
Aisle width, 1000x1200mm pallet crosswise	Ast	1885mm
Aisle width, 800x1200mm pallet lengthwise	Ast	1685mm
Minimum turning radius	Wa	1130mm
Travel speed, with/without load		5/6km/h
Lift speed, with/without load		115/170mm/s
Lower speed, with/without load		160/125mm/s
Climbing ability (S2, 5 min), with/without load, 5 min. rating		3/5%
Service brake		Electromagnetic
Drive motor output (S2, 60 min)		1.25kw
Lift motor output (S3, 10%)		3kw
Turning motor output (S2, 10 min)		0.165kw
Battery type		Lithium iron phosphate battery
Battery voltage/rated capacity(5h)		24V/180Ah
Battery weight		58kg
Type of Drive control		AC motor speed feedback
Noise that the driver heard according to EN12053		≤70 dB(A)

Figures for standard version may vary when options equipment is fitted.

1. (Note 1) 560 is the figure for standard version. 680 is the figure for customized version.

Dimensions (mm)



Load Capacity Diagrams

