



TS12i/TS15i Smart Electric Pallet Stacker

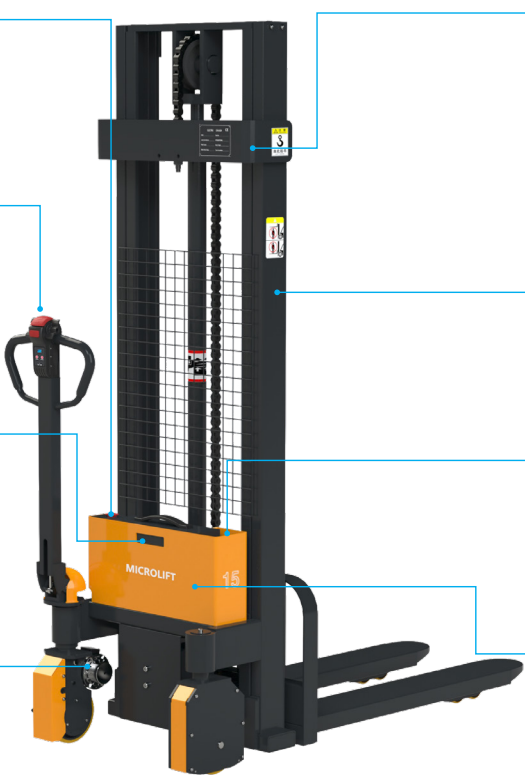
An Electric/Manual Convertible Pallet Stacker;

An intelligent, smart and cost-effective solution for various applications, Optimal for in-door lifting and stacking

Microlift

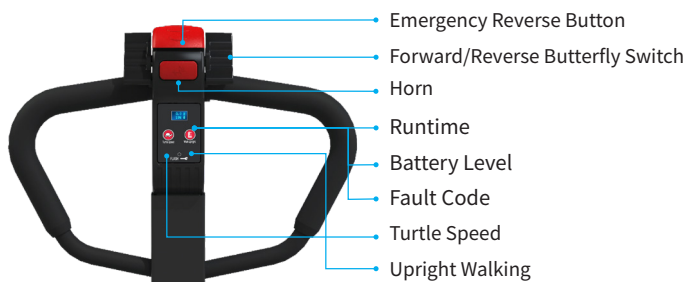
material handling solution



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- ① **Emergency Stop Switch/Key switch**
 - Inegrated Design;
 - Lift up/Press down to turn on/off;
 - Screw off to keep the key
 - ② **Multi-Functional Handle ★**
 - Easy-to-operate;
 - Turtle speed mode for slow and controlled maneuvering;
 - Upright Walking for VNA application
 - ③ **Portable Lithium Battery ★★**
 - Safe, Fast charging, Green;
 - Maintenance free and Reliability;
 - Quick change battery pack
 - ④ **Hybrid Driving Unit**
 - Brushless motor, Maintenance free;
 - Electric/Manual driving convertible;
 - Higher efficiency and better performance;
 - No downtime
 - ⑤ **Strong C Hot Rolled Forklift Profile Solid and durable;**
 - Different lifting height available (1.6/2.5/3.0/3.3m);
 - Travel speed will be automatically reduced after fork lifting 650mm
 - ⑥ **Compact and Reliable Structure**
 - With turning radius of only 1436mm;
 - Maximum maneuverability
 - ⑦ **Charger Pocket**
 - Flexible location for the charger, either put inside the truck pocket, or put separately in a charger station
 - ⑧ **Key Components Module Design**
 - Easy access to battery, motor, brake system, hydraulic tank,
 - Minimum miantenance and labor cost

Unique Advantages

★★ Lithium Battery



★ Multi-Functional Handle

- LFP Battery, Safe and Efficient;
- Fast Charge (option);
- Over 2000 Cycles of Charging/Discharging;
- Maintenance Free;
- High Reliability



★★ I-Touch Screen (Optional)

TIME	0.3	Hr
TRIP	0	km
BATTERY	95	%
SPEED	0.0	Km/h
EST.WT	—	Kgs
NEXT		

- Digital display of mileage
- Battery status
- Travel speed
- Approx. load weight

VNA	OFF
PASSWORD	OFF
SLOPE	1 %
MAX.SPEED	4.5 Km/h
FAULTCODE	
SET	
HOMEPAGE	

- One-click VNA mode
- Secure password setting
- Displayable slope degree
- Direct fault diagnosis

Specifications

Li-ion Battery powered pallet stacker TS12i/TS15i (parameter and performance)

Characteristics				
1.1	Manufacturer		Microlift	
1.2	Model		TS12i	TS15i
1.3	Operate Type		Pedestrian	
1.4	Load Capacity	Q	1200kg(2640lbs)	1500kg(3300lbs)
1.5	Load Center	C	500mm(19.7")	
1.6	Wheelbase	Y	1269mm(50.0")	
Weight				
2.1	Service Weight (Incl. Battery)	Q	324/399/410/419kg (713/878/902/922lbs)	330/405/415/425kg (726/891/913/935lbs)
Wheels, Chassis				
3.1	Tyre Type		PU	
3.2	Tyre Size, Drive Wheels		185x53mm(7.3"x2.1")	
3.3	Tyre Size, Load Wheels		80x60mm(3.1"x2.4")	
3.4	Tyre Size, Balance Wheels		180x50mm(7.1"x2.0")	
3.5	Wheels, Numbers (x= drive wheel)		1x+1/4	
Dimensions				
4.1	Height, Mast lowered	h1	2090/1840/2090/2240mm(82.3"/72.4"/82.3"/88.2")	
4.2	Free Lift	h2	/	
4.3	Lift Height	h3	1600/2500/3000/3300mm(63.0"/98.4"/118.1"/129.9")	
4.4	Height, Mast Extended	h5	2224/3124/3624/3924mm(87.6"/123.0"/142.7"/154.5")	
4.5	Height of tiller arm, Min/Max	h14	573-1263mm(22.6"-49.7")	
4.6	Fork Height, Lowered	h13	90mm(3.5")	
4.7	Overall Length	l1	1695mm(66.7")	
4.8	Overall Width	b1/b2	890mm(35.0")	
4.9	Fork Dimension	l/e/s	1150x160x53mm(45.3"x6.3"x2.1")	
4.10	Outside Fork Width	b5	560/680mm(22.0"x26.8")	
4.11	Ground Clearance	m2	35mm(1.4")	
4.12	AST, 1000X1200 pallet crossways	ast1	1964mm(77.3")	
4.13	AST, 800X1200 pallet crossways	ast2	1918mm(75.5")	
4.14	Outer Turning Radius	wa	1436mm(56.5")	
Performance				
5.1	Travel Speed, Laden/Unladen		4/4.5 km/h	
5.2	Lifting Speed, Laden/Unladen		0.08/0.10 m/s	
5.3	Lowering Speed, Laden/Unladen		0.10/0.11 m/s	
5.5	Max Gradeability, Laden/Unladen	%	8.0/16.0	
Drive				
6.1	Drive Motor Rating S2 60Min	kw	0.75AC	
6.2	Lifting Motor Rating S3 15%	kw	1.2KW	
6.3	Battery Voltage/Capacity	V/Ah	48/20 Li-Ion	48/30 Li-Ion
Others				
7.1	Controller Manufacturer		Microlift	
7.2	Service Brake		Regenerating	
7.3	Parking Brake		Electromagnetic	

Remarks: Zhejiang Microlift Co., Ltd. reserves the right to make any changes without notice concerning specifications detailed in this brochure.

