



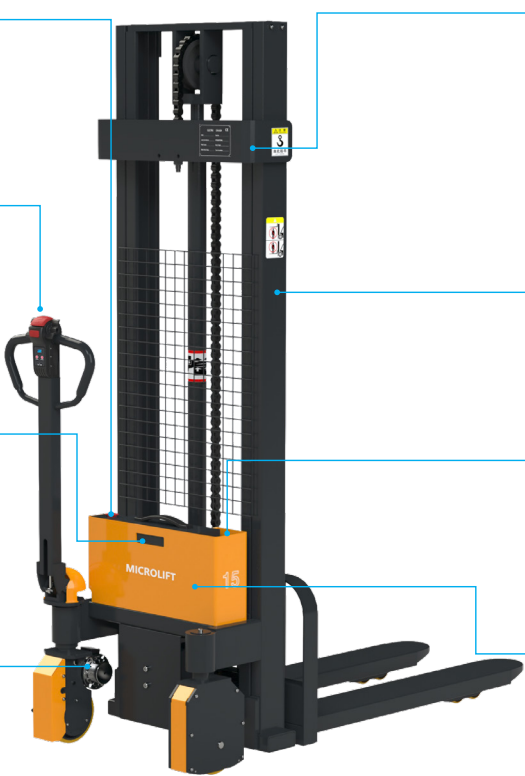
# TS12i/TS15i Smart Electric Pallet Stacker

An Electric/Manual Convertible Pallet Stacker;

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

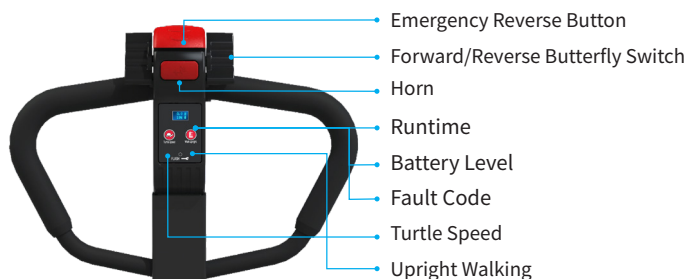
**Microlift**  
material handling -solution



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- ① **Emergency Stop Switch/Key switch**  
Ingetrated 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

### ★ Multi-Functional Handle



### ★★ Lithium Battery

- 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

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

Characteristics				
1.1	Manufacturer		Microlift	
1.2	Model		TS12i	TS15i
1.4	Operate Type		Pedestrian	
1.5	Load Capacity	Q	1200kg	1500kg
1.6	Load Center	C	500mm	
1.9	Wheelbase	Y	1269mm	
Weight				
2.1	Service Weight (Incl. Battery)	Q	324/399/410/419kg	330/405/415/425kg
Wheels, Chassis				
3.1	Tyre Type		PU	
3.2	Tyre Size,Drive Wheels		185x53mm	
3.3	Tyre Size,Load Wheels		80x60mm	
3.4	Tyre Size,Balance Wheels		180x50mm	
3.5	Wheels,Numbers (x= drive wheel)		1x+1/4	
Dimensions				
4.2	Height,Mast lowered	h1	2090/1840/2090/2240mm	
4.3	Free Lift	h2	/	
4.4	Lift Height	h3	1600/2500/3000/3300mm	
4.5	Height,Mast Extended	h5	2224/3124/3624/3924mm	
4.9	Height of tiller arm,Min/Max	h14	573-1263mm	
4.15	Fork Height, Lowered	h13	90mm	
4.19	Overall Length	l1	1695mm	
4.21	Overall Width	b1/b2	890mm	
4.22	Fork Dimension	l/e/s	1150x160x53mm	
4.25	Outside Fork Width	b5	560/680mm	
4.32	Ground Clearance	m2	35mm	
4.33	AST,1000X1200 pallet crossways	ast1	1964mm	
4.34	AST,800X1200 pallet crossways	ast2	1918mm	
4.35	Outer Turning Radius	wa	1436mm	
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	
5.8	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	
6.4	Battery Voltage/Capacity (5h)	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		Electromegnetic	

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

