

AMR

AUTONOMOUS
MOBILE ROBOT無人搬運車 - 板車型
Handling AMR

TM-1000-FL



TM-48V-FL

適用產業

- 工廠物流運載(金屬加工、汽機車製造、電子組裝)
- 物流倉儲運載

Applicable Industries

- Material handling and delivery (metal machining, automotive manufacturing, electronic assembling).
- Logistics and warehousing.

特色優勢

- 安全避障，先進多重防撞感測，避免人為疏失碰撞
- 自主移動搬運，讓人員從事更高價值的作業
- 數位追蹤配送作業紀錄
- 棧板物料自動配送、任務系統管理、主動路徑規劃
- 配合自動充電站可全天候作業，效率提升40%

Features and benefits

- Automatic obstacle avoidance, advanced multi anti-Collision sensors eliminating human negligence.
- Autonomous movement for efficient operation.
- Digital tracking of delivery operation records.
- Automatic delivery of pallet, task system management, initiative path planning.
- Running with the automatic charger, raising the working efficiency up to 40%.

「板車型」及「充電站」

車體系統	Vehicle system	
機型	Model	TM-1000-FL
額定載荷	Payload	1000 kg
車體尺寸(長/寬/高)	Vehicle dimension (length/width/height)	1490/910/1840 mm
貨叉尺寸(長/寬/高)	Fork dimension (length/width/height)	1150/186/60 mm
載荷中心	Load center distance	600 mm
貨叉外寬	Fork outer width	680 mm可客製 Customized
最小轉彎半徑	Minimum turning radius	1027 mm
最小離地距離	Minimum ground clearance	20 mm
貨叉離地最低高度	Fork height (The lowest time)	86 mm
貨叉起升離地高度	Fork lifting height from the ground	155 mm
直角堆垛通道寬度	Width of the right-angel stack	1975 mm
整車重量	Weight	230 kg
行駛速度(空載/滿載)	Traveling speed (empty/loaded)	0.7/0.6 m/s
爬坡能力(空載/滿載)	Max Gradeability (empty/loaded)	3/1 %
定位精度	Positioning accuracy	±10 mm
安全距離	Safety distance	5 m
電池規格	Battery spec	48V(25Ah)
充電方式	Charging type	手動／自動充電 Manual/Auto Charging
充電時間	Charging time	30~90%,1 hour
續航力	Running time	6~8 hour
導航方式	Guidance type	光達無軌導引 Lidar SLAM
通訊方式	Communication type	無線通訊 Wi-Fi

充電站	Charging station	
機型	Model	TM-48V-FL
輸入電壓	Input voltage	110V
輸出電壓/電流	Output voltage/current	48V/20A

● 本公司機台不斷研發創新，機台如有設計變更恕不另行通知。

The above machine specification is subject to change without previous notice due to the continuous improvement of R&D.

YLM 穎霖集團
GLOBAL YLM GROUP



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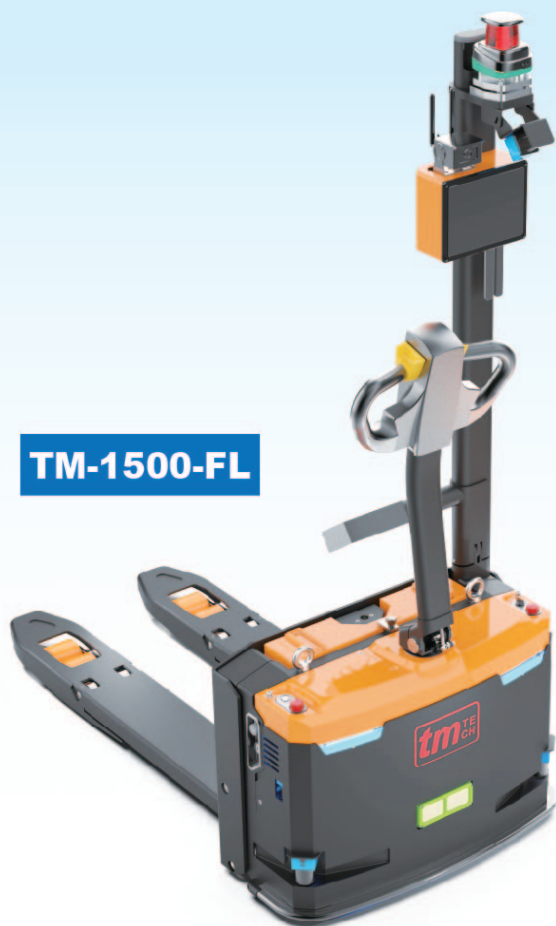


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AMR

AUTONOMOUS MOBILE ROBOT

無人搬運車 - 板車型 Handling AMR



TM-1500-FL



TM-24V-FL

適用產業

- 工廠物流運載(金屬加工、汽機車製造、電子組裝)
- 物流倉儲運載

Applicable Industries

- Material handling and delivery (metal machining, automotive manufacturing, electronic assembling).
- Logistics and warehousing.

特色優勢

- 安全避障，先進多重防撞感測，避免人為疏失碰撞
- 自主移動搬運，讓人員從事更高價值的作業
- 人機整合、混合導航、數位追蹤配送作業紀錄
- 棧板物料自動配送、任務系統管理、主動路徑規劃
- 配合自動充電站可全天候作業，效率提升40%

Features and benefits

- Automatic obstacle avoidance, advanced multi anti-Collision sensors eliminating human negligence.
- Autonomous movement for efficient operation.
- Human-machine integration, Mixed navigation, Digital tracking of delivery operation records.
- Automatic delivery of pallet, task system management, initiative path planning.
- Running with the automatic charger, raising the working efficiency up to 40%.

「板車型」及「充電站」

車體系統	Vehicle system	
機型	Model	TM-1500-FL
額定載荷	Payload	1500 kg
車體尺寸(長/寬/高)	Vehicle dimension (length/width/height)	1516/790/1860 mm
貨叉尺寸(長/寬/高)	Fork dimension (length/width/height)	1150/180/70mm
載荷中心	Load center distance	600 mm
貨叉外寬	Fork outer width	570 mm可客製 Customized
最小轉彎半徑	Minimum turning radius	1290 mm
最小離地距離	Minimum ground clearance	20 mm
貨叉離地最低高度	Fork height (The lowest time)	85 mm
貨叉起升離地高度	Fork lifting height from the ground	205 mm
直角堆垛通道寬度	Width of the right-angel stack	2005 mm
整車重量	Weight	330 kg
行駛速度(空載/滿載)	Traveling speed (empty/loaded)	1.5/1 m/s
爬坡能力(空載/滿載)	Max Gradeability (empty/loaded)	5/3 %
定位精度	Positioning accuracy	±20 mm
安全距離	Safety distance	5 m
電池規格	Battery spec	24V(60Ah)
充電方式	Charging type	手動／自動充電 Manual/Auto Charging
充電時間	Charging time	30~90%,1.5 hour
續航力	Running time	6~8 hour
導航方式	Guidance type	光達無軌導引 Lidar SLAM
通訊方式	Communication type	無線通訊 Wi-Fi

充電站	Charging station		標準	Standard	選配	Option
機 型	Model	TM-24V-FL	無人搬運車	Autonomous Mobile Robot	庫位傳感器	Location sensor
輸入電壓	Input voltage	110V	充電站	Charging station	柵欄	Fence
輸出電壓/電流	Output voltage/current	24V/30A	工控電腦(服務器)	Server	平板	Tablet

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Light weight. Facilitation. Platformization. Intelligence.

AUTONOMOUS MOBILE ROBOT

無人搬運車 - 頂升型 / 直載型 Lurking / Delivery AMR

輕量化 . 簡易化 . 平台化 . 智慧化



TM-1000-JU / TM-1000-DL

特色優勢

- 安全避障，先進多重防撞感測，避免人為疏失碰撞
- 自主移動搬運，讓人員從事更高價值作業
- 數位追蹤配送作業紀錄
- 物料料架自動頂升配送、任務系統管理、主動路徑規劃 (限於TM-1000-JU)
- 物料自動配送、任務系統管理、主動路徑規劃 (限於TM-1000-DL)
- 配合自動充電站可全天候作業，效率提升40%

適用產業

- 郵局、圖書館、飯店、醫院、食品工廠、機場物料直接承載配送 (限於TM-1000-DL)
- 工廠物流運載(金屬加工、汽機車製造、電子組裝) (限於TM-1000-JU)
- 物流倉儲運載 (限於TM-1000-JU)

Applicable Industries

- Material direct load delivery at post offices, libraries, restaurants, hospital, food factory, and airports. (For TM-1000-DL)
- Material handling and delivery(metal machining, automotive, manufacturing, electronic assembling). (For TM-1000-JU)
- Logistics and warehousing. (For TM-1000-JU)

Features and benefits

- Automatic obstacle avoidance, advanced multi anti-Collision sensors eliminating human negligence.
- Autonomous movement for efficient operation.
- Digital tracking of delivery operation records.
- Automatic lifting and delivery of material rack, task system management, initiative path planning (For TM-1000-JU)
- Automatic delivery of materials, task system management, initiative path planning. (For TM-1000-DL)
- Running with the automatic charger, raising the working efficiency up to 40%.



TM-48V-FL

AMR

AUTONOMOUS MOBILE ROBOT

頂升型及直載型 無人搬運車 及充電站 Lurking / Delivery AMR

車體系統

機 型	MODEL	TM-150-DL	TM-300-DL/ TM-300-JU	TM-600-DL/ TM-600-JU	TM-1000-DL/ TM-1000-JU
額定載荷(kg)	Rated load(kg)	150	300	600	1000
車體尺寸 長/寬/高(mm)	Vehicle dimension: L/W/H(mm)	640/510/225	750/540/230	930/660/250	1180/860/265
車體重量(kg)	Weight(kg)	55	75/92	120/155	300
提升高度(mm)	Lifting height(mm)	0	0/60	0/60	0/60
最小離地距離(mm)	Minimum ground clearance(mm)	25	25	25	25
行駛速度 空載/滿載(m/s)	Speed (empty/loaded)(m/s)	2.0/1.5	2.0/1.5	1.9/1.3	1.5/1.3
最大爬坡力 空載/滿載(%)	Max Gradeability (empty/loaded)(%)	5/3	5/3	5/3	5/3
最小轉彎半徑(mm)	Turning radius(mm)	320	375	465	630
最小通道寬度(mm)	Minimum channel width(mm)	840	950	1130	1460
驅動方式	Driving mode	差速Differential	差速Differential	差速Differential	差速Differential
電池容量	Power configuration	48V/15Ah	48V/20Ah	48V/30Ah	48V/50Ah
充電時間	Charging time	≤ 2H	≤ 2H	≤ 2H	≤ 2H
續航時間	Endurance time	8H	8H	8H	8H
巡航雷達	Navigation mode	光達無軌導引Lidar SLAM	光達無軌導引Lidar SLAM	光達無軌導引Lidar SLAM	光達無軌導引Lidar SLAM
定位精度	Positioning accuracy	± 10m	± 10m	± 10m	± 10m
安全距離	Safe distance	5m	5m	5m	5m
通訊模塊	Communication mode	無線通訊Wi-Fi	無線通訊Wi-Fi	無線通訊Wi-Fi	無線通訊Wi-Fi

充電站

機 型	MODEL	TM-24V-FL	TM-48V-FL	TM-48V-FL	TM-48V-FL
輸入電壓	Input voltage	110V	110V	110V	110V
輸出電壓/電流	Output voltage/current	24V/10A	48V/10A	48V/20A	48V/20A
充電站重量(kg)	Weight(kg)	30	30	30	30

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AUTONOMOUS MOBILE ROBOT

無人搬運車堆高機型 Storage AMR

輕量化．簡易化．平台化．智慧化



TM-1500-FS

適用產業

- 工廠物流運載 (金屬加工、汽機車製造、電子組裝)
- 物流倉儲運載

Applicable Industries

- Material handling and delivery (metal machining, automotive manufacturing, electronic assembling).
- Logistics and warehousing.

機 型	TM-1500-FS
額定載荷 (kg)	1500
載荷中心 (mm)	600
提升高度 (mm)	1600
貨叉外寬 (mm)	570/680
最小轉彎半徑 (mm)	1230
直角堆垛通道寬度 (mm)	1993
最小離地距離 (mm)	30
車體尺寸 長/寬/高 (mm)	1700/990/1592
貨叉尺寸 長/寬/高 (mm)	1150/180/70
爬坡能力 空載/滿載 (%)	5/3
行駛速度 空/滿 (m/s)	1.5/1.0
導航方式	光達導引Lidar SLAM
定位精度	±10mm
安全距離	5m
電池容量	24V/100Ah
充電時間	30~90%, 1.5 hour
續航時間	6~8 hour
通訊方式	無線通訊 Wi-Fi

特色優勢

- 安全避障，先進多重防撞感測，避免人為疏失碰撞
- 自主移動搬運，讓人員從事更高價值作業
- 數位追蹤配送作業紀錄
- 棧板物料自動配送、任務系統管理、主動路徑規劃
- 配合自動充電站可全天候作業，效率提升40%

Features and benefits

- Automatic obstacle avoidance, advanced multi anti-Collision sensors eliminating human negligence.
- Autonomous movement for efficient operation.
- Digital tracking of delivery operation records.
- Automatic delivery of pallet, task system management, initiative path planning.
- Running with the automatic charger, raising the working efficiency up to 40%.



TM-24V-FS

機 型	MODEL	TM-24V-FS
輸入電壓	Input voltage	110V
輸出電壓/電流	Output voltage/current	24V/100A

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