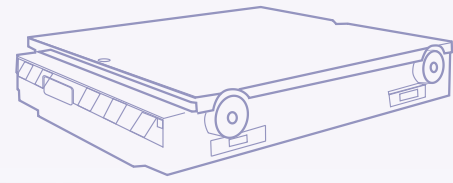


PALLET MOLE



Features:

- ▶ AC Regenerative Braking Control - Ensuring reduced operating & maintenance cost together with enhanced battery efficiency.
- ▶ Electro-Mechanical Lifting & Traction system
- ▶ Patented "Mole Recovery System" - In the unlikely event of a Mole unit breaking down in side the racking tunnel, another "recovery" mole can be sent to retrieve the broken down unit.
- ▶ Patented "Pallet Count System" - Stock take has been a inherent problem with these type of storage solutions. SMS has solved this by enabling a Mole to "count" the number of pallets in a specific lane and relay this information back to the bi-directional RF controller unit.
- ▶ "Quick Change" Batteries
- ▶ Bi-directional RF control unit with :



Technical Detail	Unit	Pm1500
Power Unit		Electrical /Battery
Speed Control		AC Invertor
Supply Voltage	V	24 DC
Operational Voltage	V	Variable AC + Regen
Rated Capacity	Kg	1500
Pallet size	Mm	1200x1000
Travel Speed	M/min	50
Drive Motor	KW	0.55
Lift Motor	KW	0.55

Battery

Battery Type	Swappable Acid Gel
Battery Quantity	4
Battery Capacity	100A/Hr
Charging Time	Min 8 Hrs

Battery Charger

Charger Output	24V DC
Power Supply	220V AC

Remote Controller

Type	Full Duplex Communication Protocol
Power Supply	12V DC

Dimensions

Lift Height - Pallet	mm	50
Chassis, Height	mm	221
Chassis, Length	mm	1270
Chassis, Width	mm	1120
Wheel Centers	mm	645



- Mole battery low indication
- Mole selected indication
- Mole error feedback
- Manual Override Function
- "Pallet Count" Function



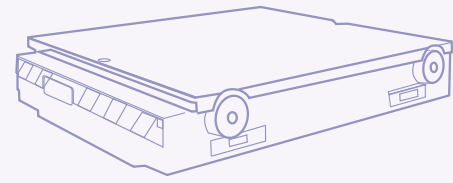
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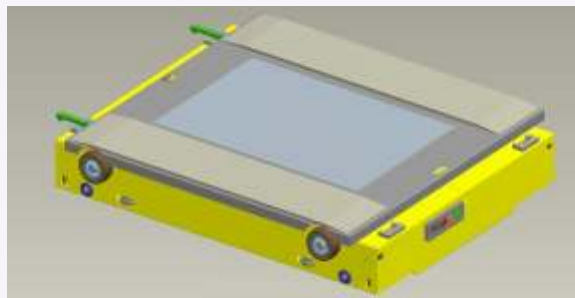
PALLET MOLE



- ▶ With the latest technology in compact, high density vertical storage, the Pallet Mole maximizes the use of floor area and warehouse capacity.
- ▶ Often production facilities need to store pallets of goods in the most compact way possible. The goal is usually to maximize the use of floor space; and in the case of cold storage, the more compact the goods are stacked, the better the efficiency and ease of temperature control.
- ▶ SMS has developed an innovative, new, high density storage system to meet these storage demands. Our new product, Pallet Mole, enables "aisle free" racking to provide a much higher density of storage than drive in racking, double deep storage and conventional VNA storage.



HOW THE Pallet Mole WORKS:
Powered by on-board rechargeable batteries, the Pallet Mole is driven on rails, into a specially designed racking system of tunnels. Using the lifting platform and positioning sensors, each load is then transported to the furthest available storage location in the tunnel. Storage and retrieval are both conveniently operated by the forklift truck driver using a remote control.



ADVANTAGES OF USING THE Pallet Mole:

- Lower cost per pallet stored compared to other high density storage methods.
- Batch FIFO or LIFO operation possible.
- Less product damage.
- More SKU's can be stored compared to Block Stack storage.
- Planning flexibility: the Pallet Mole can be configured to handle a variety of sizes and types of loads whilst also having the ability to store different types of goods on different levels and in different tunnels.



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