



Concrete Equipment
Solutions and Technology

MANUAL GANTRY SYSTEM

Product and Production Board Handling System

TECHNICAL SPECIFICATION SHEET:

SUMMARY

PMSA provides manual product and production board handling systems for the process of manufacturing bricks, blocks and pavers. The chain conveyor and gantry system is manually operated, requires smaller capital investment and can be customised for customer requirements and the size of a plant.

A gantry and chain conveyor system is used to transport production boards from the brick, block and paver making machine to the individual production rows where the product is cured for 24 hours. It lends itself to use on all product types, including bricks, blocks, pavers and special concrete products like retaining wall blocks and decking blocks.

A second gantry can also be used to move partially cured products back onto the chain conveyor, allowing them to be transported to the end of the conveyor for product handling and packaging.

The manual gantry is commonly used on RE1400, RE1400-LITE, VB4X, VB4, VB1X, VB1 and RE600 plants.

A chain conveyor and gantry system can also be added to a Twin-UNI Plant and UNI Plant.

PRODUCTIVITY:

PMSA customers have found the chain conveyor and gantry system to be cost-effective, simple to operate and a robust method of handling product and production boards. The system ensures the correct handling of products and is a manually-operated alternative to mechanised systems.

Production performance: as the system is manual, it is ideal for plants with speeds from 12 seconds per cycle on bricks, blocks and pavers and 14 seconds for hollow blocks and special products.

TECHNOLOGY:

Design features of the chain conveyor and gantry system ensure simple operation and ease of use for production staff.



BUILT TO LAST:

Buy once, buy right! Having a chain conveyor and gantry system that lasts means you don't have to replace it every few years; it has been Built to Last®. This basic system is easy to maintain and has been successfully used by PMSA customers for decades.

For more automated product and pallet handling systems, PMSA offers a curing chamber and forklift system or curing chambers with finger and transfer car system.

FEATURES AND BENEFITS

PMSA's chain conveyor and gantry system is Built to Last® ideal for use with medium to large size brick, block and paver manufacturing plants.

FEATURES

- Chain conveyor includes a duplex chain which allows for better grip on the production board and increased longevity of the chain.
- The gantry system is available with electric hoists with up to 1 ton lifting capacity. This is ideal for heavy production boards and products up to 350 kg.
- Easy-to-use controls for lifting and lowering.
- Weatherproof outdoor housing for cost-effective outdoor plants.
- Robust and engineered for long-lasting durability.

OPTIONS AND UPGRADES:

Build your plant with various product packing and production board handling options

- A second gantry for handling partially cured products.
- Product handling equipment:
 - Eco packing system at end of chain conveyor.
 - Swing arm pneumatic off-packing system.
 - Premium off-packing system.
- Vapour generator for heat and moisture for faster curing.



Manufactured by PMSA in South Africa. Our professional and experienced technical support team will provide you with the assistance you require. Our comprehensive spare parts facility enables us to provide immediate dispatch globally. E&OE. [Rev_2_2021]

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