



**Concrete Equipment  
Solutions and Technology**

# TWIN UNI PLANT

Brick, Block and Paver Making Machine

## TECHNICAL SPECIFICATION SHEET:

PMSA's Twin UNI PLANT is a superior small capacity plant consisting of 2 x UNI HYDRAULIC machines, a V300 turbine pan mixer with loader skip and easily interchangeable moulds. The Twin UNI PLANT is designed to consistently produce high-quality bricks, pavers, hollow blocks, decking blocks, retaining wall blocks and garden kerbs.



### PRODUCTIVITY

The technology used in the Twin UNI PLANT allows for dependable output every day with many customers exceeding machine production capacities.

It is capable of producing 33 600 bricks, 22 000 pavers, 14 400 maxi bricks or 6 000 hollow blocks (140 mm width) per 9-hour production shift on a wooden or composite production board size of 610 mm x 530 mm when using 16 production and product handling staff.

### TECHNOLOGY

PMSA's Twin UNI PLANT is **Built to Last**® and is the ideal small size machine for a brick, block and paver making business. Features of the Twin UNI PLANT includes:

### MECHANICAL FEATURES

- Robust design.

- Extra heavy-duty, distortion-free frame.
- Heavy-duty 4 column design with easily replaceable vesconite bushes.
- Split machine frame with detachable base frame and vibration table on anti-vibration mountings.
- 4 mould-guide columns.

### VIBRATION SYSTEM FEATURES

- 1.5 kW, 400 V, 3-phase, high speed, Twin-shaft vibrator.
- Vibrating table with replaceable wear strips on two stabiliser bars.
- Adjustable pre-vibration timer and main vibration push button control.

### MOULD FILLING AND TAMPER FEATURES

- Easily interchangeable moulds.
- Tamper brush for the cleaning of tamper shoes.
- Locking rods for the precise stripping of high products.

- Feed silo mounted above the machine with a manual discharge gate.

### ELECTRIC AND HYDRAULIC FEATURES

- The control panel has an isolator switch for safety.
- Hydraulic production board feeder and magazine holds up to 8 production boards and automatically feeds the production boards from the magazine.
- 2.2 kW hydraulic power pack, and machine controls are placed away from the machine for operator safety and an unobstructed view of the machine's operation.

### PRODUCTION BOARD HANDLING FEATURES

- Production board size 610 mm x 530 mm x 18/21 mm is light enough to be handled manually.
- 3 m roller conveyor for faster product removal.

## OPTIONS AND UPGRADES:

### Build your plant with various available options:

The Twin UNI PLANT is a hydraulically operated machine that comes standard with the V300 turbine pan mixer, supplied complete with stand and loader skip assembly. The loader skip comes complete with a 3 kW geared winch motor unit with electro-magnetic break and rope drum to load aggregate.

### TECHNICAL DATA:

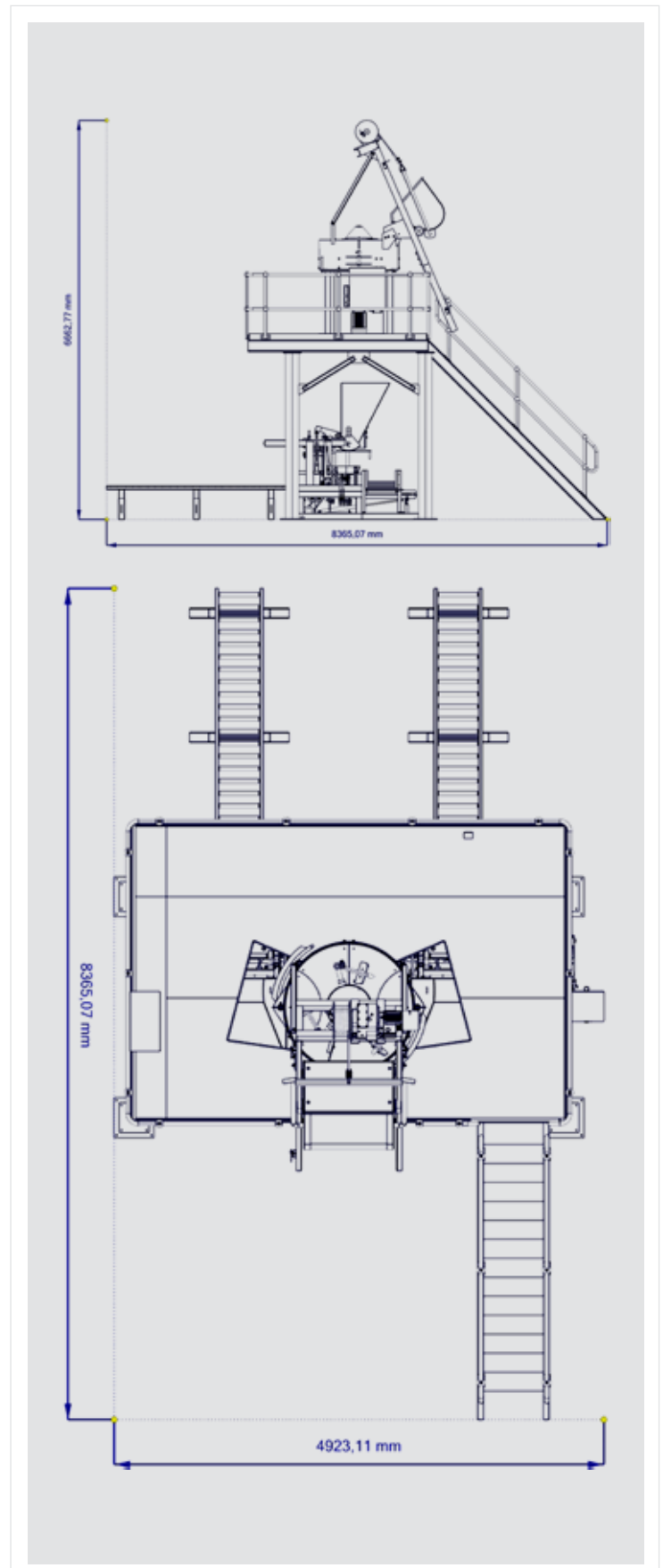
The Twin UNI PLANT includes 2 x UNI HYDRAULIC machines and a V300 turbine pan mixer with loader skip.

Machine Specifications:	MODEL TWIN UNI PLANT
Width	6 405 mm
Height	5 500 mm
Length	8 980 mm
Weight	3 500 kg
Vibrator drive motor	1.5 kW per UNI HYDRAULIC machine
Production board size	610 mm x 530 mm
Production board thickness	18 mm or 21 mm

### PRODUCTION CAPACITY:

We design and produce a full range of standard and customised moulds to suit customer requirements.

No. of products per drop	Approx. production per 9-hour shift (with experienced production staff, V300 pan mixer, dependant on materials, based on 85% production efficiency)
14 standard bricks (210 x 70 x 105 mm)	33 600
10 interlocking or rectangular pavers (200 x 100 x 50/60/80 mm)	22 000
8 maxi bricks (290 x 90 x 140 mm solid)	14 400
5 hollow blocks (390 x 190 x 90 mm)	7 500
4 hollow blocks (390 x 190 x 140 mm - M150)	6 000
3 hollow blocks (390 x 190 x 190 mm - M200)	4 500
5 hollow blocks (450 x 228 x 114 mm - 4 1/2" Imperial)	7 500
3 hollow blocks (450 x 228 x 152 mm - 6" Imperial)	4 500
2 hollow blocks (450 x 228 x 228 mm - 9" Imperial)	3 000



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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