



**Concrete Equipment**  
Solutions and Technology

# UNI PLANT

Brick, Block and Paver Making Machine

## TECHNICAL SPECIFICATION SHEET:

PMSA's UNI PLANT is a small capacity static bricks, block, and paver making machine with easily interchangeable moulds. Its robust design ensures longevity and product consistency. It is the ideal machine for customers looking to start a brick, block and paver making business.



### PRODUCTIVITY

PMSA customers have found the UNI PLANT is capable of exceeding production capacities. The design of the UNI PLANT allows for dependable output every day.

It is capable of producing 16 800 bricks, 11 000 pavers, 7 200 maxi bricks or 3 000 hollow blocks (140 mm) per 9-hour shift on a wood or composite production board size of 610 mm x 530 mm. Depending on configuration and plant options, a plant can be operated with 12 production and product handling staff.

### FEATURES AND BENEFITS

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

- Robust design, requiring minimal maintenance and offering low wear and tear.
- Extra heavy-duty, distortion-free frame ensures products are manufactured to specification and their dimensions are always accurate.
- Heavy-duty 4 column design with easily replaceable vesconite bushes that do not require greasing resulting in easy maintenance.
- Split machine frame with detachable base frame and vibration table on anti-vibration mountings.
- 4 mould-guide columns ensure moulds are evenly stripped.
- 1.5 kW, 400 V, 3-phase, high speed, twin-shaft vibrator for powerful vertical directional vibration for improved product compaction, strength and consistency.
- Vibrating table with replaceable wear strips on two stabiliser bars, ensuring high dimensional accuracy.
- Adjustable pre-vibration timer and main vibration push button control to ensure consistent compaction and product height.
- Easily interchangeable moulds allow for various sizes of block and bricks to be produced.
- 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.
- 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 machine operation.
- Production board size 610 mm x 530 mm is light enough to be handled manually.
- 3 m roller conveyor for faster product removal.

## OPTIONS AND UPGRADES:

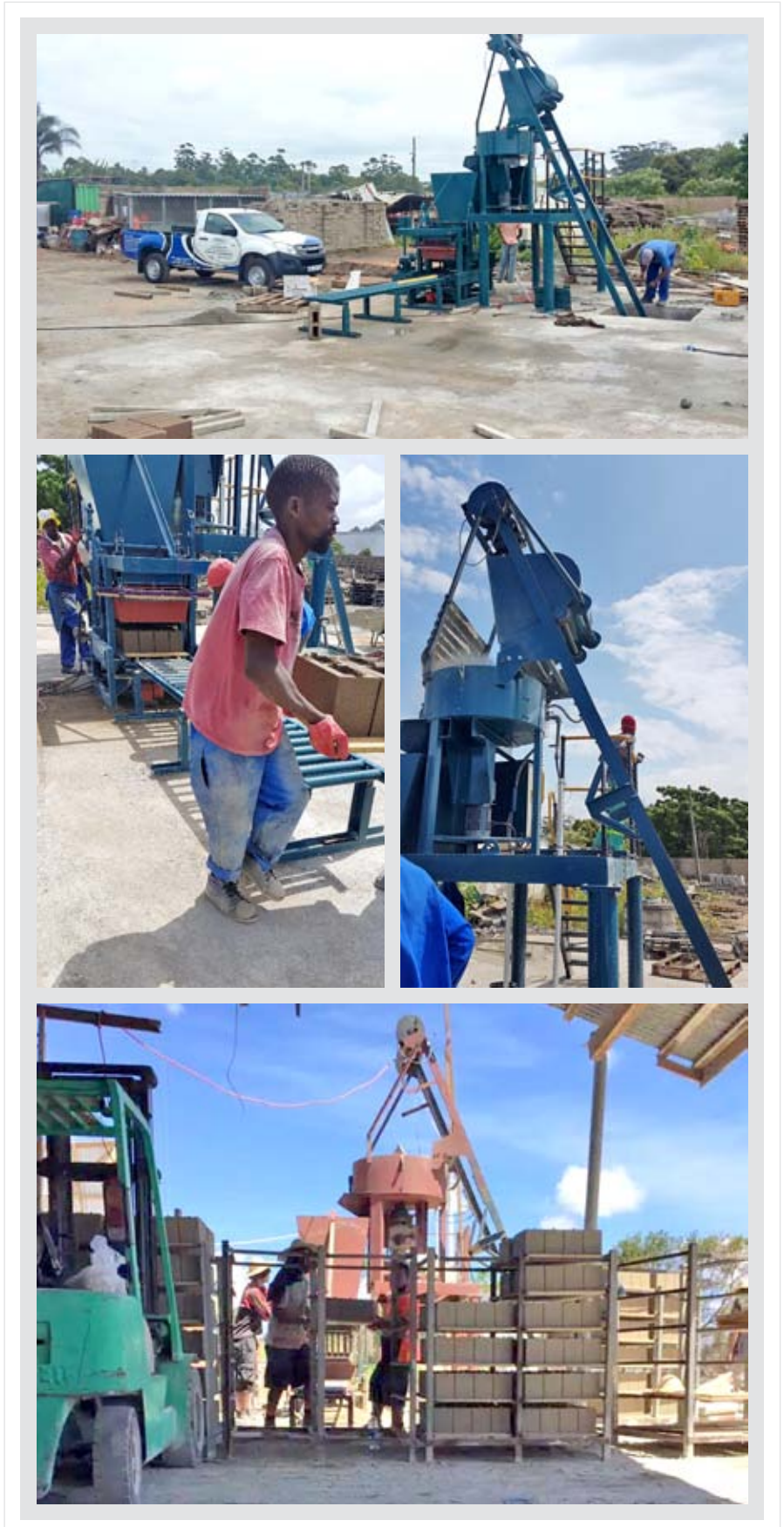
### Build your plant with various available options

The UNI PLANT is a hydraulically operated machine that comes standard with the V200 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 into the mixer.

### TECHNICAL SPECIFICATIONS:

Machine Specifications:	MODEL UNI PLANT
Width	1 300 mm
Height	5 182 mm
Length	2 045 mm
Weight	650 kg
Vibrator drive motor	1.5 kW
Production board size	610 mm x 530 mm
Production board thickness	18 mm or 21 mm

No. of products per drop	Approx. production per 9-hour shift (with experienced production staff, V200 pan mixer, dependant on materials, based on 85% production efficiency)
14 standard bricks (210 x 70 x 105 mm)	16 800
10 interlocking or rectangular pavers (200 x 100 x 50/60/80 mm)	11 000
8 maxi bricks (290 x 90 x 140 mm solid)	7 200
5 hollow blocks (390 x 190 x 90 mm)	3 750
4 hollow blocks (390 x 190 x 140 mm - M150)	3 000
3 hollow blocks (390 x 190 x 190 mm - M200)	2 250
5 hollow blocks (450 x 228 x 114 mm - 4 ½" Imperial)	3 750
3 hollow blocks (450 x 228 x 152 mm - 6" Imperial)	2 250
2 hollow blocks (450 x 228 x 228 mm - 9" Imperial)	1 500



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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