



Bricks for Africa

Local manufacturer of concrete brick, block and paving making machines, Pan Mixers SA (PMSA), have manufactured the largest machine built in Africa.

Known as the RE-1400, the machine has an output capacity of over 165 000 bricks per day.

“These machines are manufactured to heavy-duty standards to ensure long life, high performance and the production of quality bricks,” says PMSA marketing and sales manager Quintin Booysen.

Features of the RE-1400:

- Production capacity of 165 000 bricks or 105 000 pavers or 1 600 pallets of hollow blocks per 9-hour shift.
- Machine frame is constructed from heavy-duty tubular steel.
- Precision ground tamper and vibrator tables.
- Fully automatic operation with variable frequency vibration.
- 40 mm hard-wearing pins are secured by integral locking plates and fitted to M40 self-aligning swivel bearings for trouble-free, long-life operation.
- 80 mm hard-chromed columns with split vesco-nylon bushes and housings for easy replacement and maximum wear resistance.
- Heavy-duty balancing shafts keep the tamper and mould perfectly aligned.
- The two or four 7.5 kW single shaft vibrators are mounted on a single vibration table for vertical directional vibration controlled by VSD for frequency control.
- Hard-wearing mouldboxes and tampers precision made to customer specifications.
- High performance hydraulic system, servo-proportional hydraulic valves and electronic/electric control panels.
- Semi- or fully automatic weigh batching, pallet and product handling systems.
- All machine parameters can be changed using a touch-screen interface while machine is in operation.
- Pneumatic tamper and mould clamping for better vibration control.
- Hydraulic height adjustment of the feed box table and concrete holding hopper assembly using an encoder for positional feedback with mechanical dead-stops.
- Excellent compaction due to pneumatic mould clamping, proportional hydraulic control and high tamper weight. ■