

165 000 bricks in 9 hours

Pan Mixers South Africa, the continent's largest manufacturer of concrete brick, block and paving making machinery and related technology, has expanded its comprehensive product offering after launching the largest block making machine in Africa.

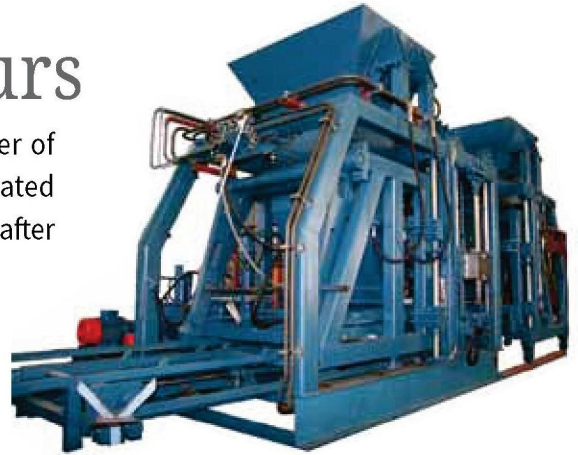
Marketing and Sales Manager Quintin Booysen highlights the fact that the RE1400 caters for the manufacture of high capacity, high quality bricks, pavers, maxi bricks, hollow blocks, retaining wall blocks, decking blocks, kerbstones and various other products.

"The RE1400 block making machine is the largest and highest capacity brick and block making machine manufactured in Africa. It has a production capacity of 165 000 bricks, 105 000 pavers or 1 600 pallets of hollow blocks per nine hour production shift - depending on product, mixer size and material flow," he explains.

Booyesen points out that the RE1400 ensures a fully automatic operation with variable frequency vibration. "The machine is supplied with linear and shaft transducers and encoders for closed loop control. Furthermore, it comes complete with a high performance hydraulic system, servo-proportional hydraulic valves and electronic control panels all controlled via PLC."

According to Booysen, the RE1400 block making machine is supplied with either a P1500 rapid counter-current pan mixer, EPM 2250 or EPM3000 planetary pan mixer, in addition to semi or fully automatic weigh batching, pallet and product handling systems. The RE1400 machine frame is constructed from heavy duty tubular steel, with 40 mm hard wearing pins that are secured by integral locking plates and fitted to M40 self aligning swivel bearings for a trouble free, long life operation. It also comes standard with 80 mm hard chromed columns with split vesco nylon bushes and housings for easy replacement and maximum wear resistance.

What's more, Booysen maintains that a heavy-duty balancing shaft keeps the machine tamper and mould perfectly aligned. "Machine tamper and vibrator tables are precision ground, and either the two or four 7.5 KW single shaft vibrators are mounted on a single vibration table for vertical directional vibration, which is controlled by a Variable Speed Drive for frequency control."



Value added additional options for the RE1400 include; a continuous vibration system for frequency and amplitude control using shaft encoders; a top feed/secondary feed for colouring the top of the pavers with same controls as the primary feed box; and a SCADA system for visual, animated graphics of machine operation, machine parameter control and data capture.

The RE1400 is manufactured to heavy-duty standards to ensure long life, high performance and the manufacture of quality products, and is a turnkey solution for large scale concrete products manufacture for industrial, residential and infrastructural development.

Booyesen concludes by adding that he is confident that the RE1400 block making machine, as well as the full range of concrete equipment offered by PMSA, will be in demand across the continent. ■