

New vibrating system aims big



A new range of Ultravibe vibrators aims to help customers increase productivity and efficiency.

THE NEW TECHNOLOGY from PMSA, a manufacturer of brick, block and paving machines, was unveiled at Totally Concrete 2016, held at Gallagher Convention Centre in May this year.

The Ultravibe vibrators can be retrofitted to the company's range of existing machines, but will also form the basis of a brand-new machine under development. "This will be a large-pallet, 1 400 mm by 1 100 mm, production-board machine incorporating all of our latest advances in its design," Walter Ebeling, managing director, PMSA, reveals.

"We undertook these latest developments in order to allow our customers to be more productive. The best means of achieving this is if your equipment is more reliable."

Easy care

The new vibrators have been designed specifically to run maintenance-free for up to three years. The aim is that customers will not have to service, replace bearings or oil and grease daily – all tasks that impact on productivity and cost-efficiency.

In addition, the new vibrators will have the capacity to produce 170 kN of vibration force on PMSA's flagship RE1400 machine. This will allow for the production of extra-large concrete elements, from 300 mm to 500 mm

TOP LEFT PMSA unveiled its Ultravibe vibrator at Totally Concrete 2016

TOP RIGHT The control panel of the Ultravibe vibration system

ABOVE Ultravibe can produce up to 170 kN of vibration force

in height. The new vibrators have also been designed to function as a two- or four-vibrator system, with the latter providing control over both the frequency and force of the vibration produced. "This gives our customers enormous flexibility in their product range, as they can apply a frequency and force setting particular to the raw materials they use in their concrete," Ebeling points out.

Achieving such flexibility meant that PMSA also had to redesign its vibrating table, in addition to the development of the new vibrators. Ultravibe can be retrofitted to PMSA's range of VB1X, VB4X and RE1400 machines. "There are other improvements in our machine designs that have been incorporated already, and which continue to be incorporated," Ebeling concludes. **35**