

SR-Schindler Maschinen-Anlagentechnik GmbH, 93057 Regensburg, Germany

New hermetic press with many additional features

Optimised facing concrete distribution and compaction, automatic fine adjustment of the facing concrete distributor and ejector and a decoupled turntable-press system – those are the new features of the hermetic press for the manufacture of concrete slabs that SR Schindler will be presenting at the bauma 2019.

“We have been successful in international business for over 25 years with large hermetic presses, but the current press will be a genuine innovation leap for the user”, says Petra Schweyer, Sales Manager of SR-Schindler Maschinen-Anlagentechnik GmbH. Apart from the improvements already mentioned for the optimisation of quality, the development of the latest generation of hermetic presses focused on user friendliness and the resulting larger operating window for the manufacture of highly compacted concrete slabs.

Olaf Arns, Managing Director of the Regensburg-based plant manufacturer, emphasises the very good cooperation between the widely differing experts: “We were able to fall back

on a wealth of experience in the development of this press. The machine concept is essentially based on the Masa press, which is very well known in the market. Plus there are the many years of experience of our employees all over the world in the construction and commissioning of hermetic presses as well as in the development of control concepts.”

Apart from test series for facing concrete distribution and compaction on a specially designed test bench, workshops were held with experienced press operators. Many of the ideas developed in the working round table were integrated into the new concept. Hence, in addition to the hermetic press designed and manufactured in close cooperation with Masa, a 16-hole dosing unit with quick-change system and the test bench with optimised vibration were also presented. Robert Stöckler, Technical Manager at SR-Schindler, confirmed the importance of the workshop in this context: “Apart from the fact that some of our ideas have been more than welcomed by the users, together we have also discovered new approaches, conceived solutions and implemented them in



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the new press. The topics of setup and cleaning times were fields of action that were frequently brought up and which we have accounted for with the quick-change system for mould frames and with the dosing unit with quick-change system and an external washing place." In the further course of the project the focus was placed on a frequency and amplitude-controlled table vibrator as well as the exchangeability of the various dosing systems (index plate dosing unit - hose type batcher) in order to be able to flexibly deploy the most suitable dosing and distribution systems for the user of the new hermetic press.

A further innovative exhibit at the bauma 2019 is the quality control and automated sorting of paving stones. Here, stones identified and digitally marked by the operator are sorted out and the stone layer refilled by a robot system. And all of this is integrated into the stone manufacturing process. "The man-machine interface is defined in our plants by modern image processing. That enables cooperation in real time", says Michael Beck, Head of Programming and Electrical Systems at SR Schindler.

The 1,200-tonne press designed in cooperation with Masa with many extras and attached parts can be seen, along with a concept for the 1,400-tonne press with 7 tables and the line for sorting paving stones, at the bauma at the trade fair booth of the Topwerk Group in Hall B1, Booth 127.



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