

Austria/Serbia/Italy

Wienerberger doo Kanjiza in Serbia Cooperates with Bongioanni Macchine in Italy

The company Wienerberger doo Kanjiza, located in Kanjiza/SRB, and part of the Austrian-based Wienerberger Group, one of the largest European manufacturers of roofing tiles and bricks with 200 companies, has chosen to trust Bongioanni Stampi/IT in the implementation of its roofing tile line with its new large products for the equipment of its two existing double mould presses.

At the specific request of the customer and in close cooperation with its technical departments, Bongioanni Stampi designed the two main roofing tiles: Continental 9 and Twist 9. As per Wienerberger doo Kanjiza, during the development of the desired design Bongioanni Stampi proceeded in parallel with the checks on all couplings the roofing tiles undergo during the production cycle: setting on the drying trays and on the H-cassettes, couplings for stacking and transport and, last but not least, the roof mounting check, which is a key feature to achieve a perfect weather-resistant product. All this was made considering the customer's wishes to continue in the production of the previous models with smaller dimensions, and to add a supplementary contact point to the project.

Bongioanni Stampi made further dedicated studies, to ensure the mounting possibility on the presses of both new and existing mould-tools. This was achieved through cross-checks with Bongioanni Macchine's Technical Department, who can perform 3D simulations of the forming process. As a result of this, the Italian plant supplier had to develop specifically-dedicated equipment. Bongioanni succeeded doing that, thanks to the long experience of its two companies Bongioanni Stampi and Bongioanni Macchine as well as the synergy given by the possibility of easily combining the capabilities of the respective technical departments that, despite being distinct, are part of an unique company – a peculiarity that remained unique in the heavy clay ceramics branch – to the full benefit of the projects idealised from time to time by its customers. Beside the main roofing tiles, Bongioanni Stampi supplied the mould-tools for their



Fig. 1 Roofing tile Continental 9 produced by Wienerberger doo Kanjiza

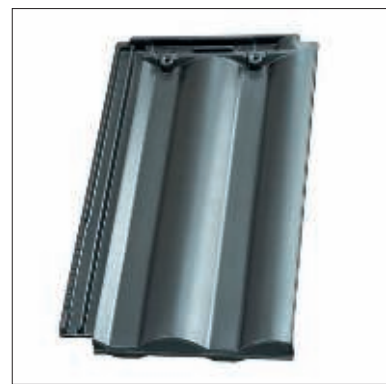


Fig. 2 Roofing tile Twist 9 produced by Wienerberger doo Kanjiza



Fig. 3 Clay bat feeding supplied by Bongioanni Macchine

fittings, which are a natural compendium for the marketing and the execution of a high-quality roofing product, composed by: start glatki ridge tile, end ridge tile, ventilation tile, half twist tile as well as right and left gables.

In addition, regarding the main forming line and as requested by the customer, Bongioanni Macchine implemented an update of the two 13PV-G presses, reviewing the mechanical part – especially the one subjected to greater wear and tear – and adapting



Fig. 4 Cutter supplied by Bongioanni Macchine



Fig. 5 Visible suction heads of the press supplied by Bongioanni Macchine

the machines to receive bigger mould-tools. Under this goal, Bongioanni carried out a modification on the bat loading line, supplying the following elements:

- cutter type TGLDS, single blade, double strand overlapping, complete with its electric management panel with technology Siemens (or SEW, to be specified) of the latest generation;
- automatic loaders for AC8P, each with eight mats, with launchers suitable for use with inverters for the optimization of load speeds, double lung, pneumatic waste.

These last changes were discussed and developed in strict cooperation with the customer. The Italian supplier focused on the use of larger clay bats suitable for the new models and on the optimization of the employed clay bodies, in the modern scope of a rationalised energy consumption.

Bongioanni has been up to meet the demands of this important customer, thanks to the expertise and the cooperation of all involved actors, synchronizing its technical and production departments, in a direct and constant dialogue with the customer on the various aspects of the project.

Bongioanni Macchine still wants to thank the project managers R. Reckeki, A. Pietrzak, and L. Sanders who, with their professionalism, have guaranteed the company to do a great job

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