

Progress Maschinen & Automation AG, 39042 Brixen, Italy

Mesh Welding System leads to major savings – Sansiri invests in further automation of precast concrete carousel plant

Sansiri Public Co., Ltd, Thailand, has made a step into further automation of their carousel plant by complementing it with a BlueMesh M-System welding machine from progress Maschinen & Automation AG, one of the seven companies belonging to the Progress Group, a leading full-range supplier to the precast industry.

The new equipment leads to major savings in manpower and raw material waste up to 25%. A few years ago, Sansiri has invested in a highly-automated carousel plant to produce precast concrete elements from Ebawe, which also belongs to Progress Group. So far, the reinforcement production contained manual work stations to arrange cut-outs of the mesh. With the new BlueMesh system the mesh is now produced automatically with respective spaces. This change to further automatization in the production lead to a reduction in manpower. The manual process included 20 workers per shift and Sansiri was producing in 2 shifts per day. The new automated BlueMesh system can be run by only two persons per shift. Beside that also the new machine led to a waste reduction of

approx. 25% less mesh that needs to be scrapped. By running the machine with full capacity this would lead to a saving of nearly 200.000 m² mesh per year.

With over 33 years of experience and hundreds of projects across Thailand, including hotels and a residential project in Kensington, London, Sansiri is widely regarded as one of Thailand's leading developers of quality houses, townhouses and condominiums. Constructing meticulously designed, well-made homes, they strive to continuously improve the quality of life of residents in Thailand. Sansiri is also Thailand's only fully integrated property developer, providing comprehensive services that go far beyond those of traditional developers.

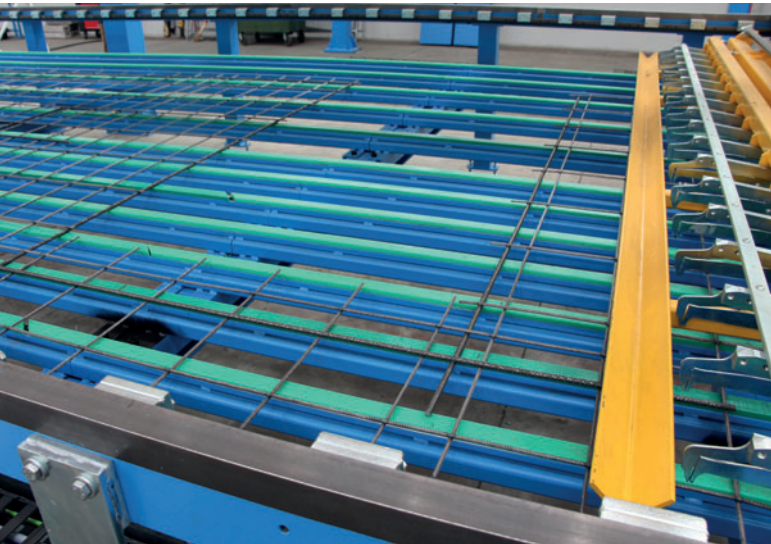
A large amount of the Sansiri housing projects are built with precast concrete elements, as this construction technology allows to produce high-end quality prefabricated parts that can be installed easily and efficiently at the construction site. With the new BlueMesh M-System the automatization of the pre-



Sansiri integrated a new BlueMesh M-System, a mesh welding machine from progress Maschinen & Automation into their carousel plant for precast concrete elements.



The welding machine is designed as a flexible production plant for reinforcement mesh directly from coil according to individual specifications.



Reinforcement mesh can be produced automatically with openings for window and door spaces. No further manual cutting is required. This leads to major savings in raw material and manpower costs.

cast element production is reaching to a new level, as this machine is designed as a flexible production plants for welding the mesh for reinforcement directly from coil according to individual specifications. These cost-efficient machines are especially well-suited for factories with high quality demands and moderate outputs. They are energy efficient and require limited space. Depending upon specific needs, the plant can bend the entire mesh, form a basket, can bend individual rebar, or also carry out special bends for individual solutions.



Sansiri is one of Thailand's leading fully integrated property developer, providing comprehensive services that go far beyond those of traditional developers. With the precast concrete elements are used widely in their projects as this construction technology allows to produce high-end quality pre-fabricated parts that can be installed easily and efficiently at the construction site.



Sansiri had invested in a highly automated carousel plant from Ebawe some years ago to produce precast concrete elements for their housing projects.

FURTHER INFORMATION



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