

Automacad Inc., Candiac (QC) J5R 6X1, Canada

New Wet Cast line produces with Dry Cast precision

Being the innovator Automacad prides itself on being, the company took the challenge and created Wet Cast machinery designed to produce a product similar in precision to that of a Dry Cast product. Designed specifically to be an entry-level production line, Automacad's latest line offers Dry Cast producers an opportunity to diversify and offer their clients a complete product line comprised of both Wet Cast and Dry Cast products.

Within an instant, producers can now differentiate themselves from their competition by obtaining products with new intricate designs, textures, colors and patterns fit to conform to the high levels of precision and quality normally associated with Dry Cast products. In other words, Automacad's Wet Cast lines offer a revolutionary approach to produce Wet Cast products specifically designed to provide a perfect fit with Dry Cast products, easy to match during installation and compatible in design.

Producing Wet Cast no longer means adopting an entirely new and elaborate set of production habits as Automacad's Wet Cast equipment is specifically engineered to match the production methods commonly associated with Dry Cast production. With Automacad's equipment, Dry Cast production factors such as: rapidity, efficiency, reliability, high precision, limited labor force, product quality and production management are all meticulously reproduced in Wet Cast production.

Incorporating Wet Cast products to an existing product line is a great way for a

Dry Cast producer to stimulate sales and increase profit margins. Automacad's Wet Cast production lines provide producers a great value as they come with an exceptionally quick payback period in exchange for a limited initial investment.

About the system

While the system's simplicity, compact design and small footprint maximize available space for other equipment and future upgrades. One of the system's biggest advantages is its versatility. The line allows producers to simply modify the production setup from one product to another in a manner of minutes. Such versatility gives producers the ability to sequentially produce a large variety of Wet Cast products such as: slabs, steps, walls, caps, veneer, edges and masonry on the same line. Despite its versatility, the system provides an exceptionally high production rate of up to 10 square feet of product per mold and a cycle time of 15 seconds per mold, giving producers a production capacity of 2,400 square feet per hour along with a product finish of the highest quality.

Innovative automation

Automation is the key when it comes to precision. Automacad's Wet Cast lines are comprised of a fully automated batching, coloration, filling, vibrating, handling and demolding processes. The line's individual equipment works collectively as a "well-oiled machine" to create products of the highest quality and repeatability.

Precision is at the very core of every production station. The process begins with a fully automated batching system which guarantees a constant concrete mix required to making products of precise consistency and curing times. Creating a variety of different patterns and reproducing them uniformly time after time to achieve products with perfect repeatability yet a very natural look requires robotic automation. Therefore, Automacad's Wet Cast systems come with the ultimate coloration tool, the Color-I coloration robot. At the next station, the filling station, the filler is programmed to pour a very precise amount of concrete into the mold cavities which guarantees that the stones fall within very low



Curing accumulation conveyor



Post-demolding mold return to be rematched with a carrier



Wet Cast products with Dry Cast precision

tolerance levels. The filled molds will then go through the vibration process. The vibration tables will always be pre-set to a precise vibration frequency (high and low) and duration to disperse the concrete inside the mold and remove all surface air bubbles. To guarantee a product of the highest quality and eliminate inconsistencies, throughout the entire process, the filled molds are transported by automatic conveyors and various automated handling systems. Revolutionary in its simplistic design, Automacad's demolding machine automatically self-adjusts to any type or size molds to demold carefully and safely prepare the product for packaging.

Competitive advantage

A concrete producer able to offer customers the "complete package" comprised of both Dry Cast and Wet Cast products of the highest quality is a producer with a strong competitive advantage. Creating Wet Cast equipment capable of producing a product with Dry Cast precision is Automacad's competitive advantage.

FURTHER INFORMATION



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- Automated filling & demolding
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- Quick payback period

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