

ELEMATIC

SMART EVOLUTION



REVOLUTIONIZING QUALITY CONTROL
ELEMATIC AUTOMATIC COMCASTER



REVOLUTIONIZING QUALITY CONTROL

Elematic Automatic Comcaster

The new automated casting system connects 3D machine vision to Comcaster and takes quality control management of precast wall production to a whole new level. When all possible errors are detected at an early stage of production, costs can be minimized



The new casting system is best suited to diversified, high capacity wall production with the Elematic EDGE Wall production line. EDGE Wall consists of a manufacturing execution system, automatic machinery, and a table circulation system. The line is particularly suited to producing sandwich panels, cladding panels, solid panels, and solid slabs.

WHERE?

Elematic meets the growing demands for quality and verification with the new automatic Comcaster for precast wall production. The automated Comcaster makes quality control management easy as it detects possible errors early in the process and thus minimizes excess costs.

HOW?

The automatic casting system is based on nesting information, if available, and side form and opening detection with 3d machine vision. The system scans the casting table and makes sure all of the details are placed correctly: shuttering, reinforcement, lifting hooks, spots for different electric wall sockets or other inserts.

WHY?

Cross-checks and measurements play a major role in diversified, high-capacity production. Many different elements and tables are tested before the casting, which increases the chance of errors. With automation, these can be minimized, meaning a clear cut in excess costs. Quality control is also a useful function for smaller-scale production. Collecting and saving production data offers new possibilities for reporting to other parties such as regulatory authorities. The scanning system also can be detached and turned into a separate quality control unit for any type of production line.



SMART SOLUTIONS FOR PRECAST CONCRETE PRODUCTION

Elematic provides precast concrete technology, production lines, equipment and related services that help customers succeed. We are the global technology and market leader in precast concrete technology for residential and non-residential buildings.

Our precast production technology is highly respected worldwide for its high quality, excellent productivity and efficiency, and advanced solutions. We believe in continuous improvement of our operations and offering to develop our customers' business in a smart way. That's why we are trusted by 40% of the world's precasters.

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