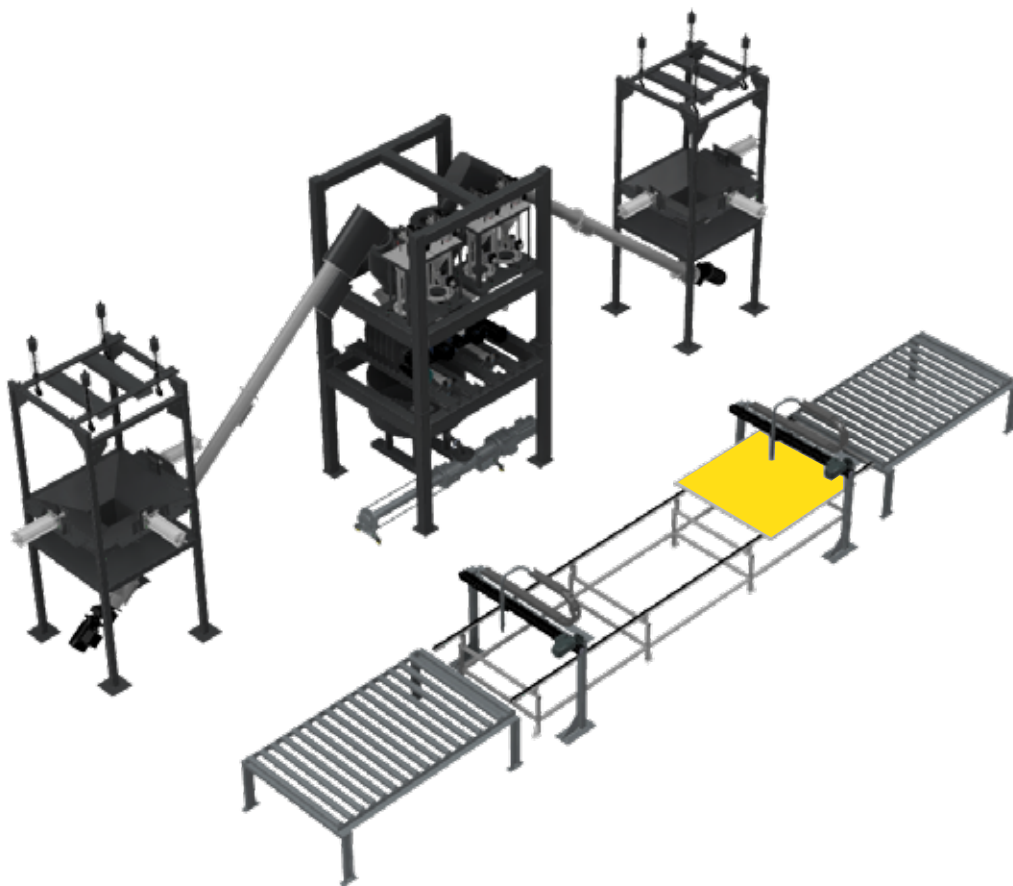


# CONCRETE ROBOTICS

## CR-FACE

The **CR-FACE** robotic production line is a small unit for the production of 12 mm thick UHPC facade elements. The semi-automatic line works as a 'place & produce' unit and functions without complex installations or control units. An integrated tele-maintenance unit allows online service from Concrete Robotics headquarter.

At full production pace - 1 meter per minute - the **CR-FACE** unit can produce up to 400 m<sup>2</sup> of facade panels per eight-hour shift.



Our machine consist of two silo's or bigbag stations, for storage of concrete pre-mix, two high power double shaft mixer units for mixing the concrete, a concrete pump and an linear axis application tool that shoots the material in moulds that are transported with a conveyor belt.

The production of concrete is fully automatic, the casting process is half automated to offer more flexibility. Due to the modular system, the production line can be upgraded, and production volume scaled up.

The semi-automatic line requires the manual placement and pick-up of moulds at the beginning and end of the line. Clients can use their own moulds.

Material development of Ultra-High Performance Concrete with locally available raw-materials and our add-on powder is included when purchasing the production line. The concrete formulation fit's to the workability requirements of the machine as well as our client's requirements.