

# CORCEE AND EFFICIENCY

Product machines
Production Lines
Accessories
Services



# CONCRETE EVOLUTION

FROM FINLAND

#### State of the art production lines created with Finnish integrity

With smart technology combined with northern innovation, stamina, and efficient production, we are proud to be pioneers of the industry being the sole provider of fully electromechanical production lines for the manufacture of concrete products and alternative material-based products since 1996













SERVO TECHNOLOGY GENERATION

### **MEC CRANE EVOLUTION-20**

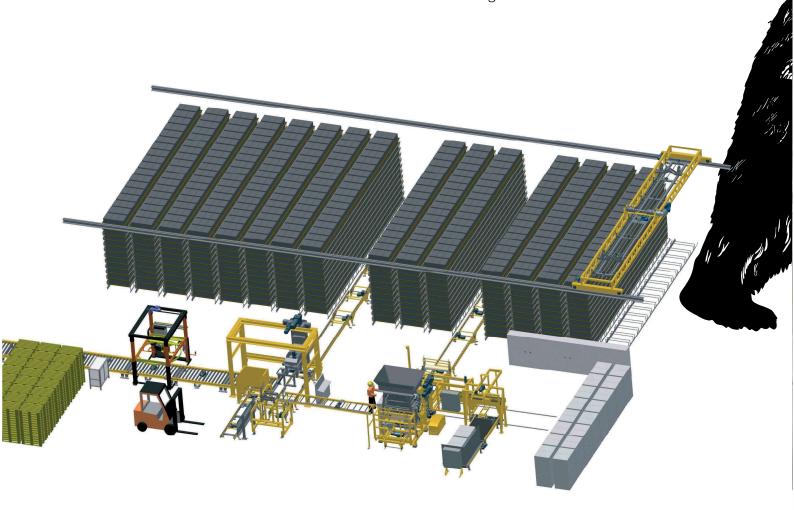
#### FULLY AUTOMATIC CRANE HANDLING SYSTEM

MEC Crane Evolution-20 includes a fully automatic Evolution-20 product machine, a fully automatic handling line with crane handling, curing chamber and automatic packaging line. The production pallets with the products are lifted with a crane as a long line and stacked to strengthen one on top of the other in cages or without cages. MEC Crane production line is perfect for spaces that are low.

#### Concrete intelligence and efficiency

The control system is concretely smart and extremely versatile, but still really user-friendly and easy to use. Improved servo gear motor technology guarantees precise and fast movements in all conditions and improves energy efficiency totally to a new level.

The new web-based services are designed to support **maximizing production efficiency** and responding quickly to any need. New solutions also enable an extensive selection of predictive maintenance and real-time diagnostic services.



#### **TECHNICAL PROPERTIES**

- Fully automatic
- Smart features
- Sturdy industrial design
- Electro-mechanical operation, based on servo technology
- Wide variety of stepless adjustments for all movements

#### **DIMENSIONS**

Layout dimensions are determined by customer-specific needs

#### **ADVANTAGES**

























**VARIOUS NEEDS** 

## **VARIOUS ACCESSORIES**

#### **INSULATION FEEDER FOR INSULATED BLOCK PRODUCTION**



Automatic insulation feeder for concrete/insulation block production

#### **FACE-MIX UNITS**



Units for the production of two mass products

#### **PACKING LINES**



MEC Robot and manipulator packing lines with various accessories

#### **QUALITY CONTROL UNIT**

Machine vision units with advanced cloud based monitoring and reporting

#### **PRODUCT WASHING UNITS**

Robot washing device for patio tiles and stone surficed products

#### **NOISE AND DUST REDUCING CONTROL CABINS**

Noice reduced cabinets and control booths for electrical cabins, machine operators and around the product machine

#### **GRINDING LINES**

Grinding device for the exact height of the products

#### **PRODUCTION PALLETS**

High quality production pallets for all product machines

#### **CUSTOM EQUIPMENTS**

Design and manufacture of devices for special purposes

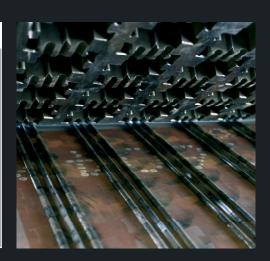
FOR CUSTOMERS SUCCESS

# LIFE CYCLE SERVICES



#### **DURABILITY AND ACCURACY**

MEC Molds are designed and made in our factory in Finland. Each mold goes through a systematic process to quarantee the right molds for the efficient and dimensionally accurate manufacture of each product. We keep our production capacity limited throughout the year, to serve customers faster and precisely. Our avarage order-to-ship time is 20 weeks. We design and deliver molds globally for every concrete product machines regardless of the brand. Additionally, we provide mold maintenance and spare-parts to extra life cycle.







#### **OPTIMAL PRODUCTION**

MEC maintenance is an inherent part of the partnership with the customer. We have manufactured and delivered concrete product production lines globally since 1996. Throughout these years, we have provided spare-parts, maintenances and guidance to our production line owners and helping them to keep production at optimal level all year. For every new MEC production line customer, we offer different service levels and continuous warranty.



#### **TO KEEP YOU UPDATED**

MEC Inspections is developed according to customer needs, to figure out the situation for every electric part, automation, or mechanical machine in a production line. Knowledge of spare part availability and maintenance needs come in handy when planning for the next season and for keeping capacity at an optimal level all year round. We provide visually presented comparisons to our industry-leading production line to see how your equipment fairs against the competition.





## CARBONAIDE



#### TRANSFORMS CO2 INTO A ROCK-SOLID CONCRETE

#### AWARD WINNING CARBON-CURING TECHNOLOGY

Carbonaide offers an award winning carboncuring technology for precast concrete manufacturers to reduce their carbon-footprint and generate cost savings with the help of CO2. Our technology is fully compatible with OPC and enables the use of novel binders.

#### 20% CEMENT SAVINGS WITH MINIMAL CHANGES

We offer an all-inclusive service for carbon-curing with minimal changes to the production process and operations. This results in 20% less binder use and 50% less CO2-footprint already with OPC based mixtures. With our technology reaching carbon-negative concrete is made easy.

#### **COMPATIBLE WITH MEC PRODUCTION LINES**

Carbonaide's carbon-curing module is compatible with Mecmetal's concrete product production lines. Integrated reporting systems for reliable reporting of carbon dioxide concentration. Equipment maintenance and real-time support as well as adjustment in seamless cooperation.

#### CONTACT

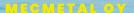
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# COMPREHENSIVE SERVICES DEVELOPED ACCORDING TO CUSTOMER NEEDS





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