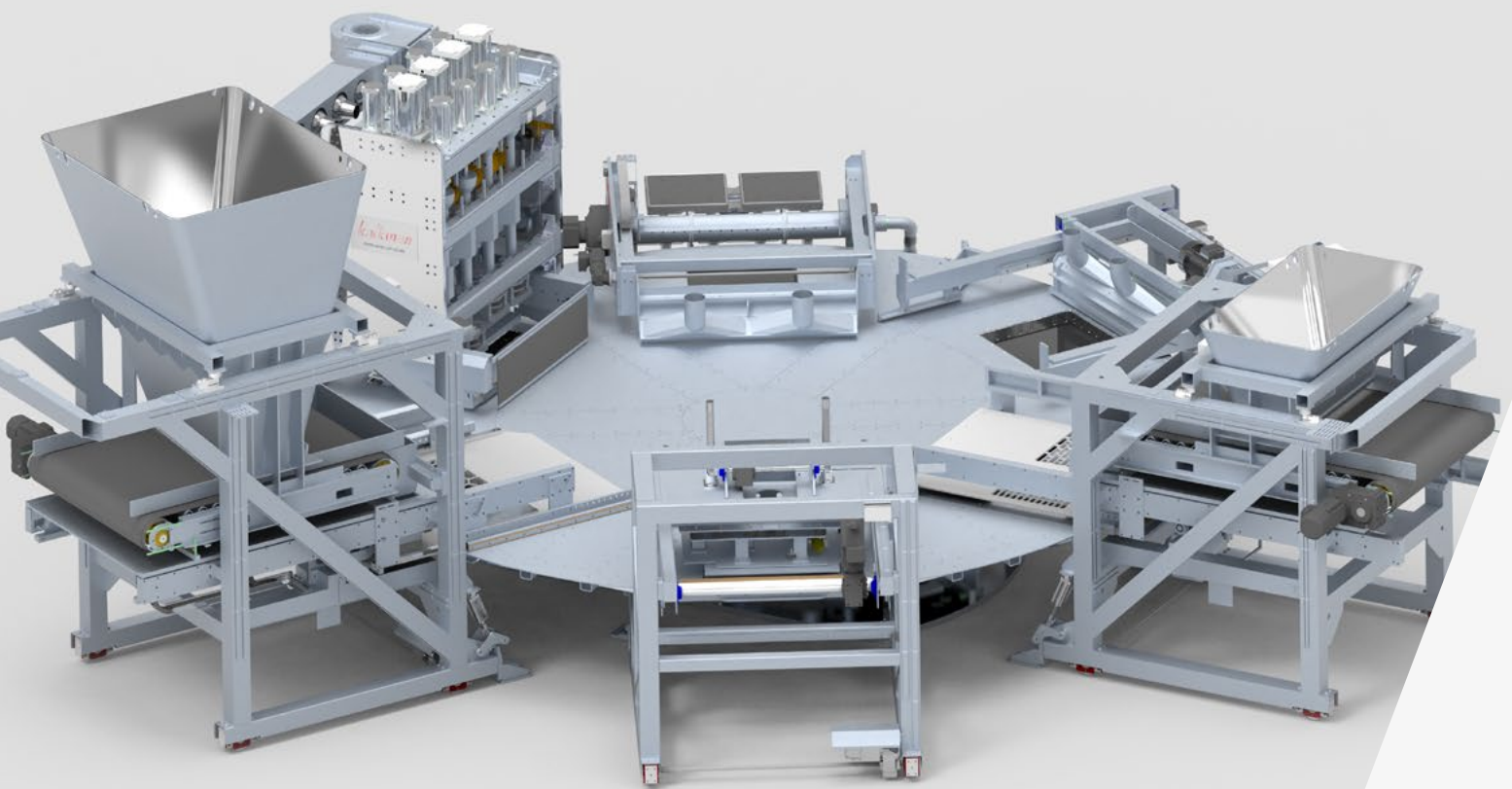


# *kalkman*

## PAVING SLAB Production equipment



Low carbon foot print  
High quality and quantity

**SINCE 1950**



## Characteristics of Kalkman slab production machines with 2 or 4 compacting units

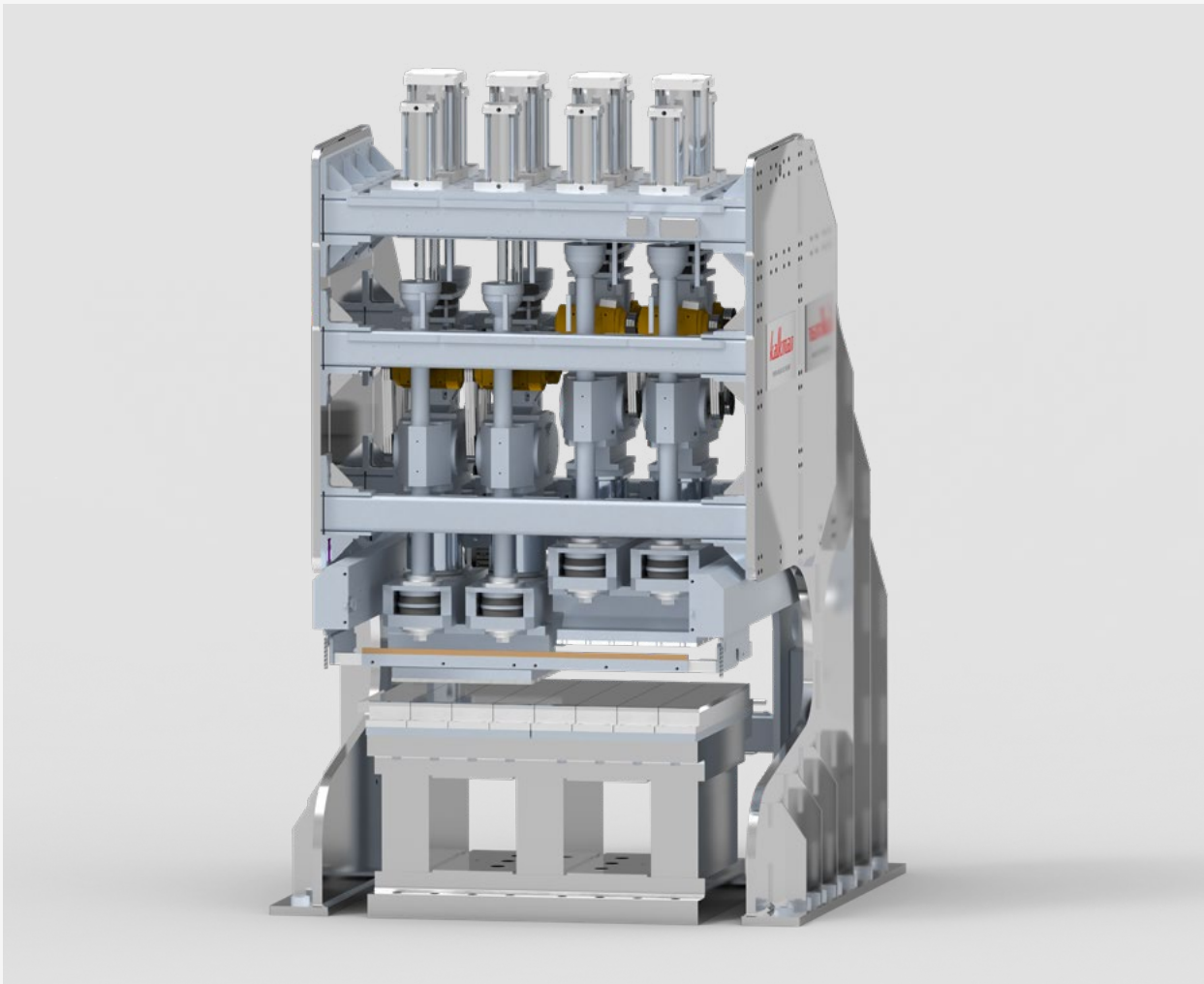
- ✓ Using a turntable with exchangeable moulds
- ✓ Moulds with vertical movable faceplates / matrixes  
Because of this no mould changes for different thicknesses
- ✓ Easy shorttime change of moulds during product change
- ✓ Short cycletimes (6-10 seconds)
- ✓ Productsizes up to 60x60 cm (standard) or 100x100 cm (special)
- ✓ Output 60x60 cm up to 2.500 m<sup>2</sup> in 8 hrs.
- ✓ Wide variety of materials can be used including recycled
- ✓ Low maintenance and operational cost
- ✓ Colourmix installation as option for high-end products
- ✓ Variety of designs - structured and colour mix surfaces, distance spacers, sharp edges

## Apart from production machines Kalkman also provides equipment for:

- ✓ Handling pallets with slabs in curing area
- ✓ Surface treatment of cured slabs
- ✓ Packaging the slabs on sales pallets

## The production process consists of different stages / stations:

- 1** Cleaning face plates by brushing them
- 2** Filling face mix through a dosing grid
- 3** Option to level the face mix
- 4** Filling back mix including electronic adjustment of thickness (3-8 cm.)
- 5** Compacting by tamping / hammering
- 6** Take-off the slabs and lay them on pallets



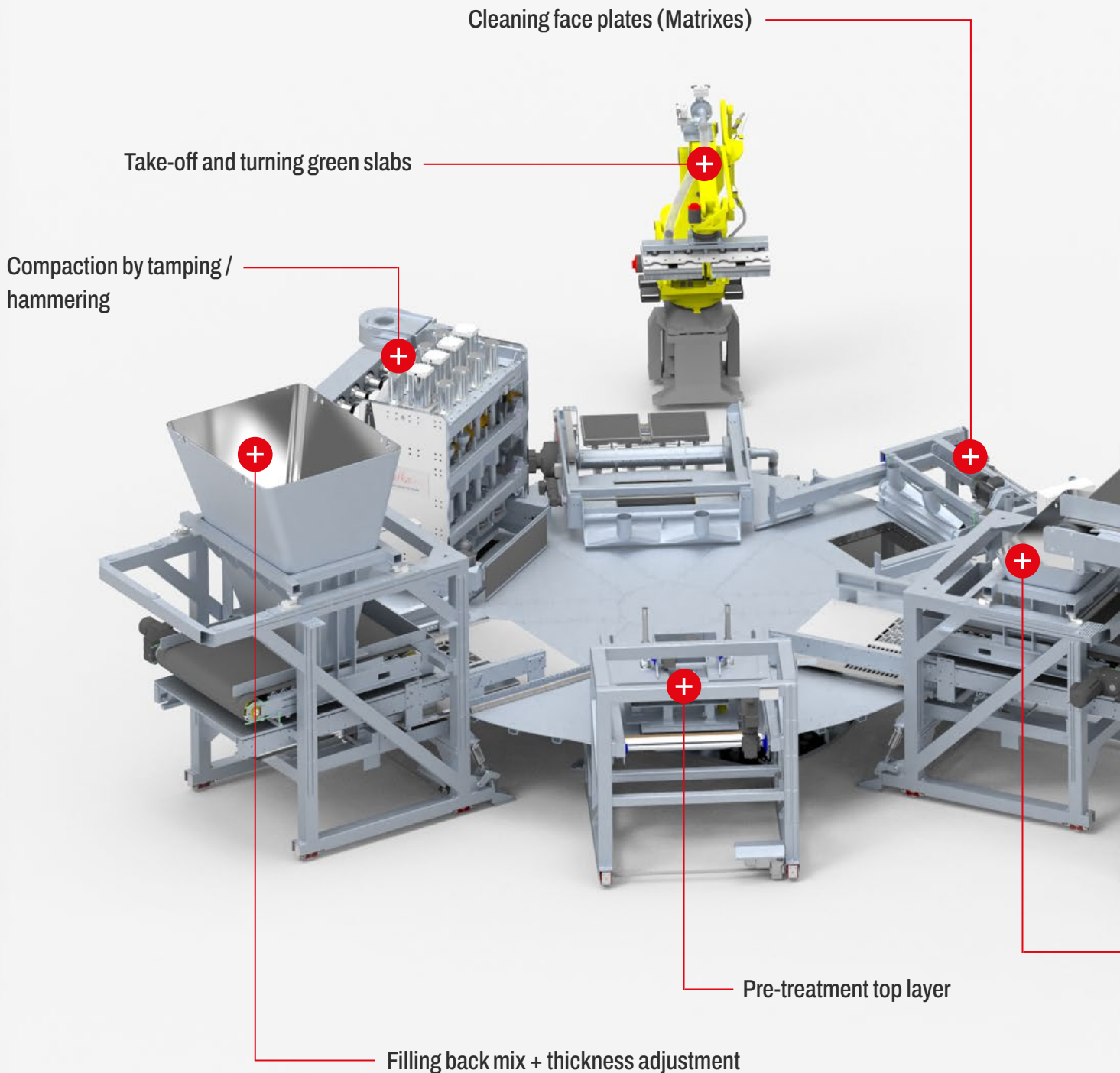
### **Advantages of Kalkman tamping system**

- ✓ Short cycle times
- ✓ 30 - 50 % less cement consumption
- ✓ Thin face mix independent of product height
- ✓ Highest bending strength and density
- ✓ Low water absorption
- ✓ Low operational and maintenance cost
- ✓ Low material cost by using recycled materials
- ✓ Earlier post-processing possible



# Production Machines

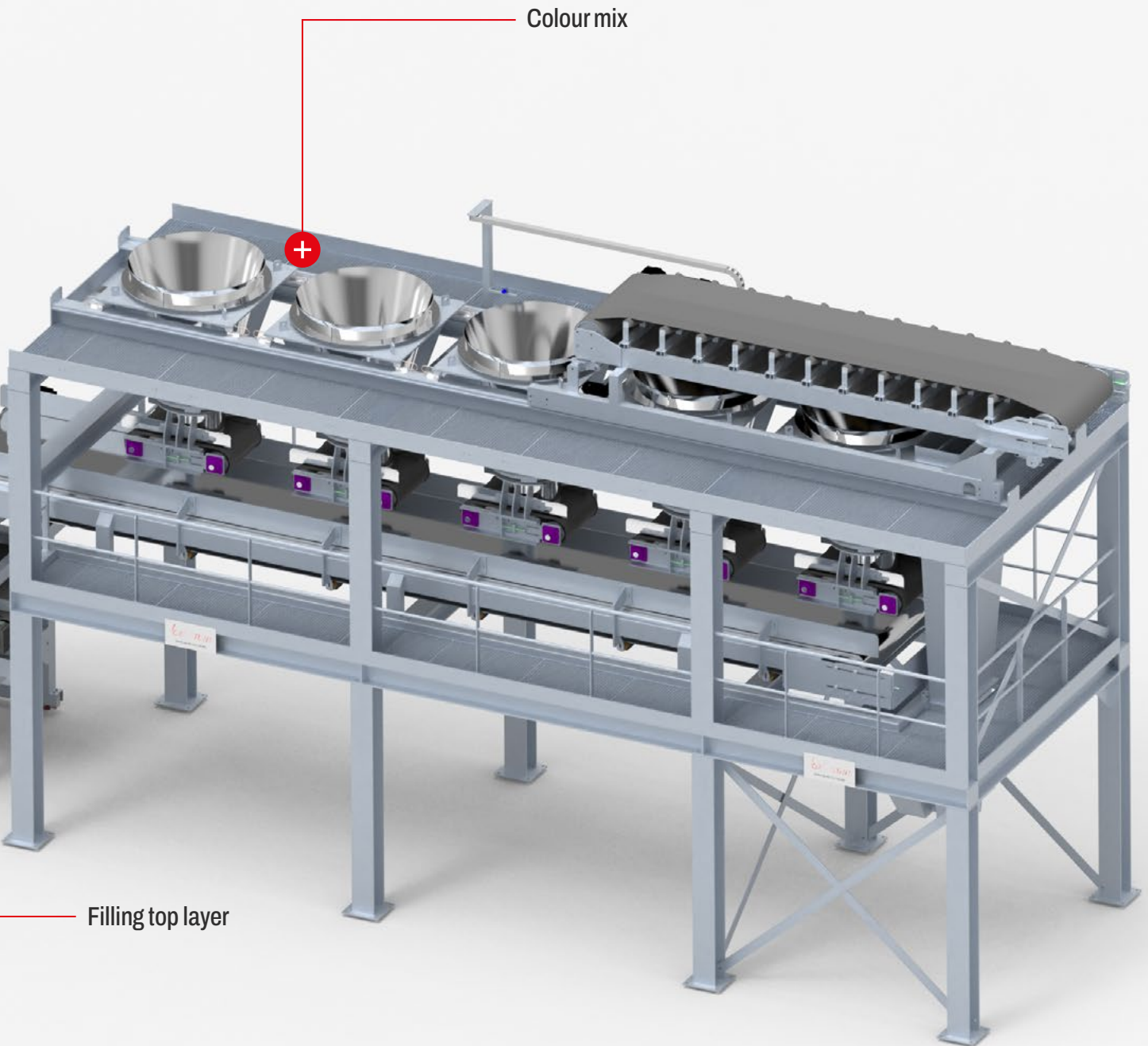
## Turn table machines with different processing stations



**CYCLE TIMES  
6-10 SECONDS**

**MACHINES WITH  
2 OR 4 COMPACTORS**

**THICKNESS ADJUSTMENT  
WITHOUT MOULD CHANGE**



Colour mix

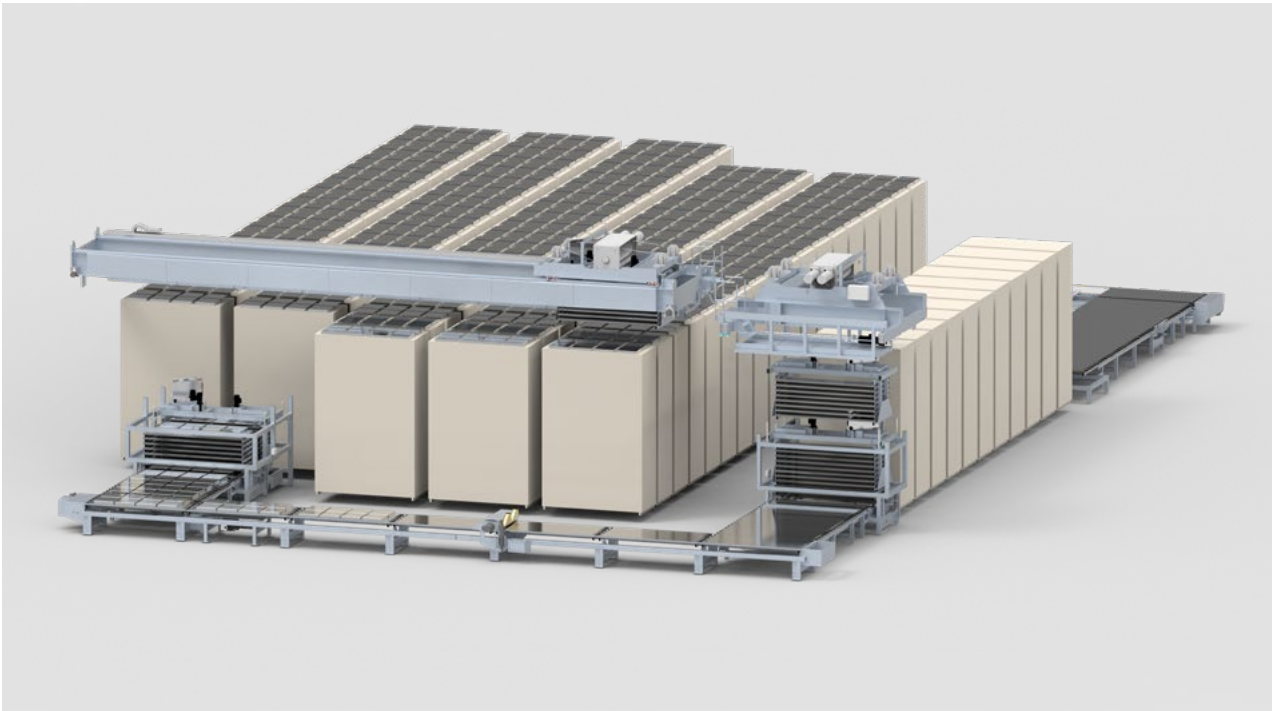
Filling top layer

**STANDARD PRODUCT  
SIZES UP TO 60 X 60 CM**

**OUTPUT (60X60 CM) PER  
8 HOURS UP TO 2.500 M2**

**OTHER SIZES  
ON DEMAND**

## Handling & curing



Green slabs on constructed steel pallets with legs. Handling of pallets in and out curing area in different systems (custom made) Shown is system with cranes. Pallet buffering system is optional.

## Treatment & packaging



Options for product treatment after curing: shot-blasting, curling, coating, printing. Automatic vertical or horizontal packing on sales pallets.

## Kalkman delivery program

- ✓ Machines for the production of paving slabs  
2 basic types: with 2 or 4 compactors
- ✓ Handling systems for pallets in curing areas  
several methods - custom made solutions
- ✓ Equipment for surface treatment of cured  
slabs. Options and dimension to be specified
- ✓ Equipment for packaging slabs on sales pallets
- ✓ Machines for special concrete products
- ✓ Transportation systems for pallets
- ✓ Transfer devices, elevators / lowerators
- ✓ Overhead cranes with clamps
- ✓ Conveyors
- ✓ Rollerbed systems with stacker and destacker
- ✓ Cubing equipment
- ✓ Robot technology with tailormade tools
- ✓ Machine safety systems
- ✓ Electronic control systems
- ✓ Machine software development
- ✓ Remote software service
- ✓ Service and maintenance



## About us

- + **Family-owned company**
- + **Founded in 1924 as repair business**
- + **Machine builder since 1950**
- + **Permanent innovative developments**
- + **Reflecting mindset of customers**
- + **Combining high quality and quantity**
- + **Partner for turn-key solutions**
- + **In house engineering**
- + **In house software development**
- + **In house production**
- + **Installation and commissioning**
- + **Service and maintenance**





Contact us

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