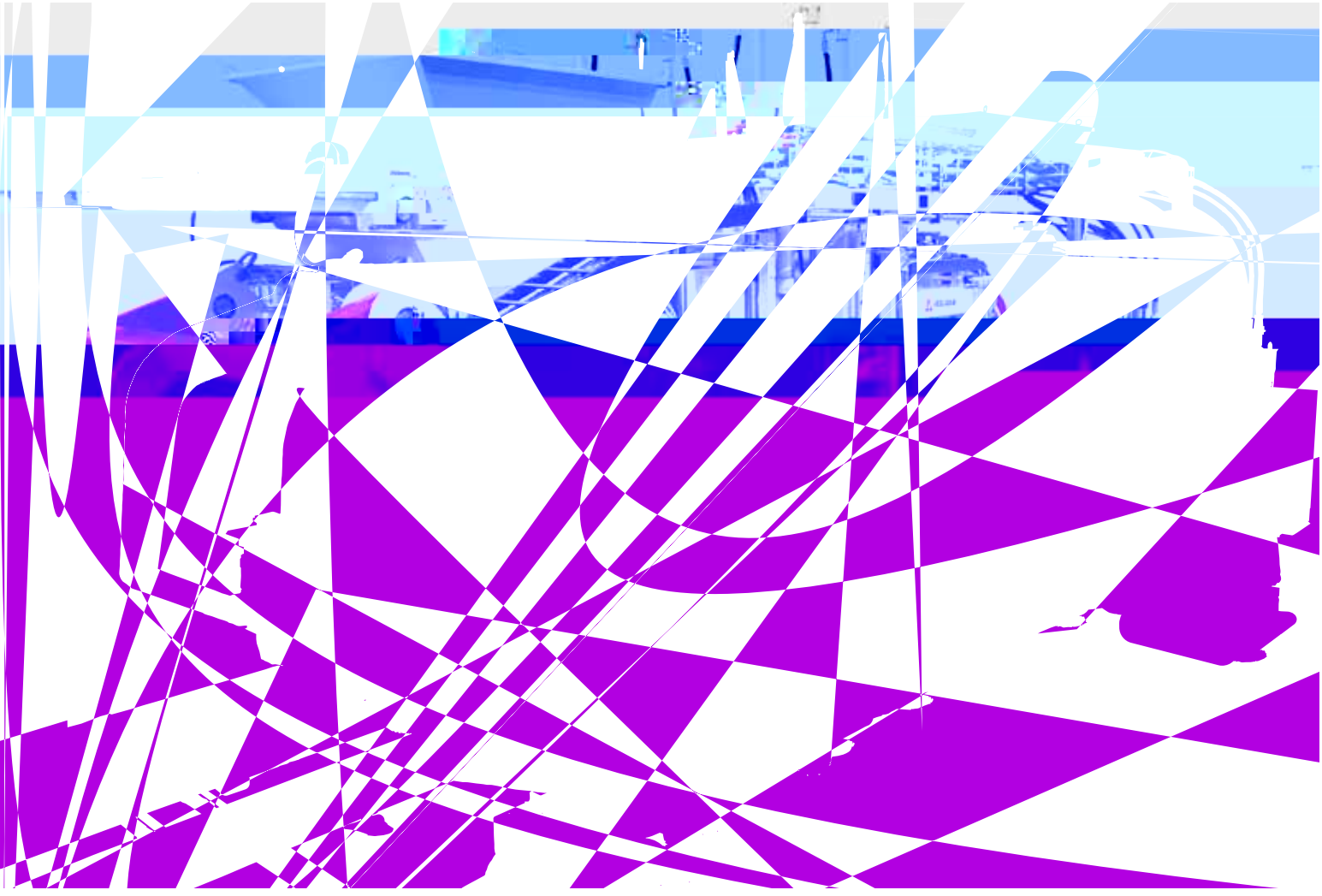
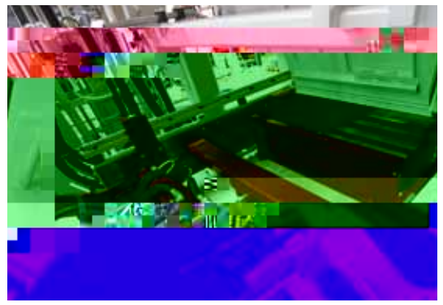
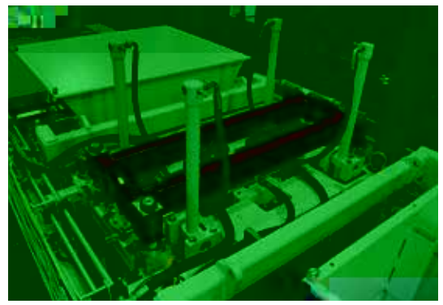
A member of TOPWERK GROUP

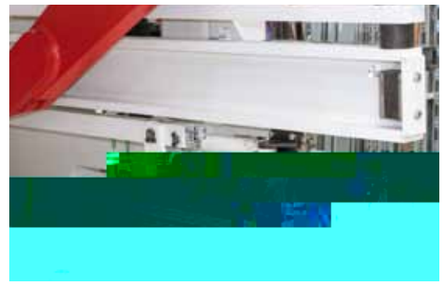
RH 2000 4
RH 1500 4

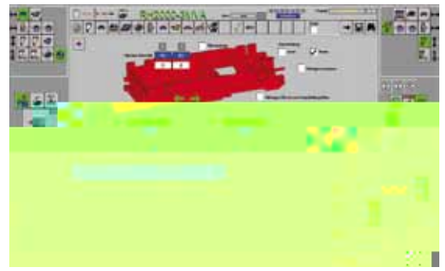


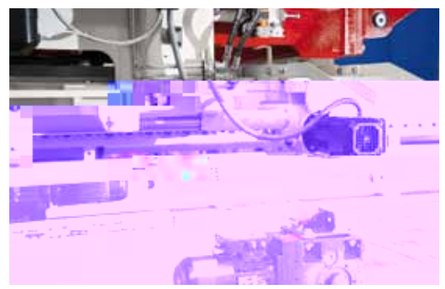
WE PUT CONCRETE INTO SHAPE











Machine options

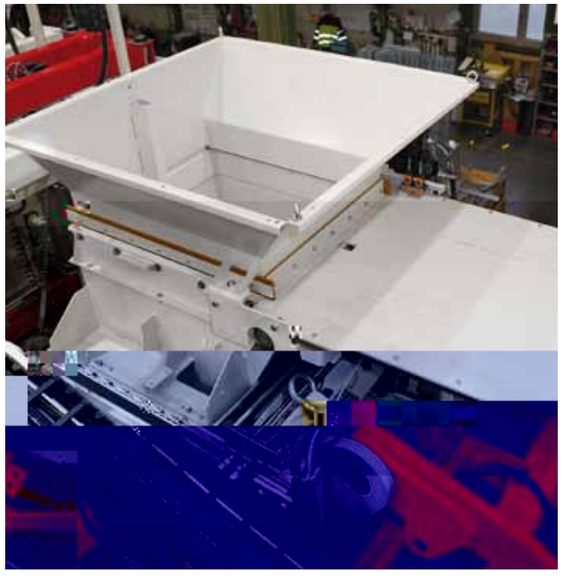
Mold side guide in mold clamping (standard)

Lockable 2-silo outlet at second silo □ap (optional with second □app)

Rubber-coated tamper head plate (standard)

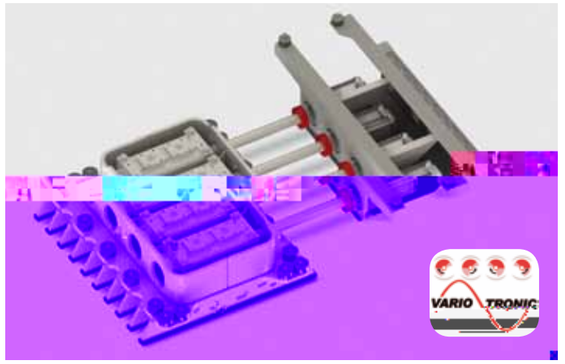
Tamper head vibrator (optional)

Hydraulic fast lift charger fast mold change (optional)



Colormix drawplate (optional)

HESS Technology



HESS F. B P a . , R .

This patented system utilizes a steel roller which replaces the front stripper frame of the □ller box assembly. The roller is regulated by a chain-driven, frequency-controlled motor that is independent from the movement mechanisms of the □ller box. The Filler Box Planing Roller provides signi□cant advantages for production of Face Mix Pavers:

- The Roller prevents the digging out of concrete mix from top surface during the production cycle
- Color blend □nish has sharper resolution and de□nition
- Larger paving slabs of high quality now possible

The production with wetter mix design for face mix pavers now possible in e□cient cycle times:

- Higher color brightness and intensity
- Better bond between base mix and Face Mix for a stronger paver
- Faster cycle times as less movements of the □ller are required

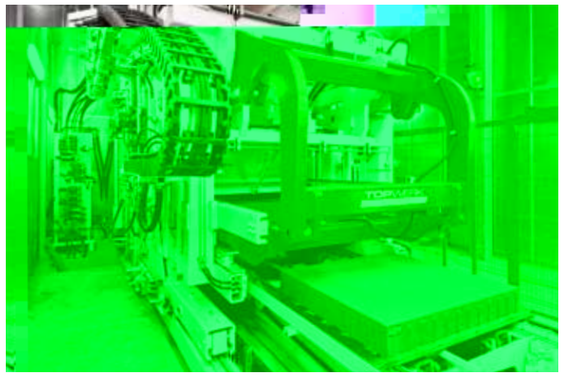
HESS O. -ba V b a S .

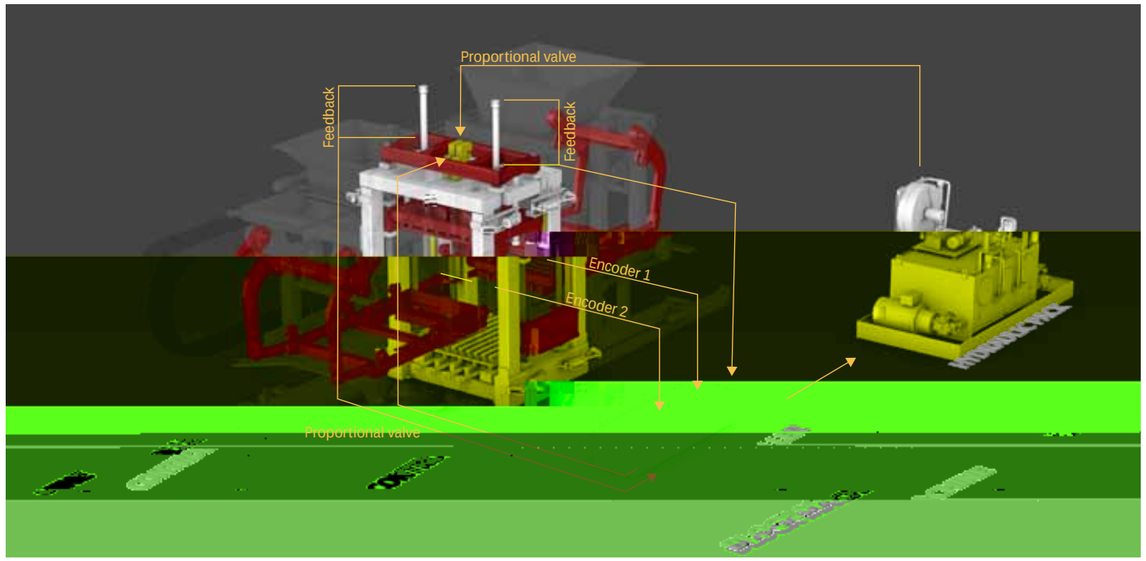
HESS maintains the most advanced vibration system to deliver the following bene□ts:

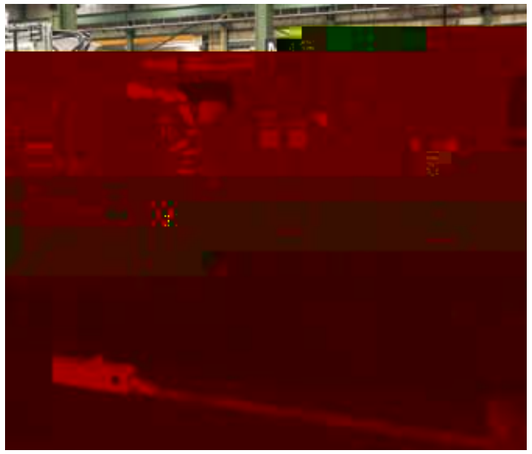
- Fully electronic control which is reliable and extremely accurate
- The rotation speed and amplitude can be adjusted and programmed for optimal results during mold □lling and main compaction operations
- Ideal compaction for complete range of products achieved in short cycle times
- Vibrating Shafts are mounted in closed casings □lled with oil.

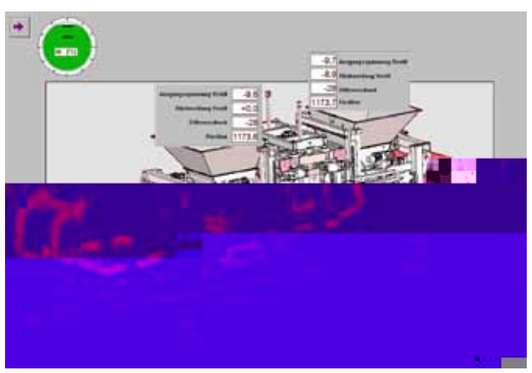
This provides signi□cant advantages:

- This provides signi□cant advantages:
- Permanent lubrication of bearings- running dry inside casings impossible
- Three Year Warranty on imbalance bearings
- Reduced downtime with lower maintenance









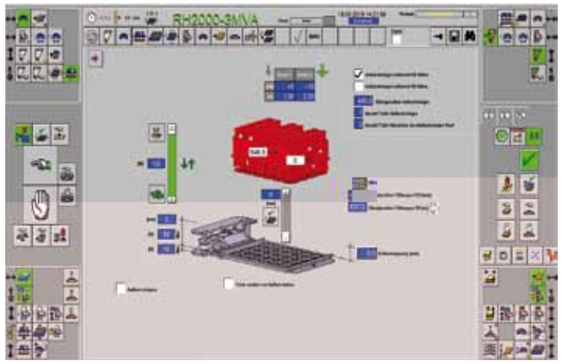
Technical data block machines*

HESS C ı ı

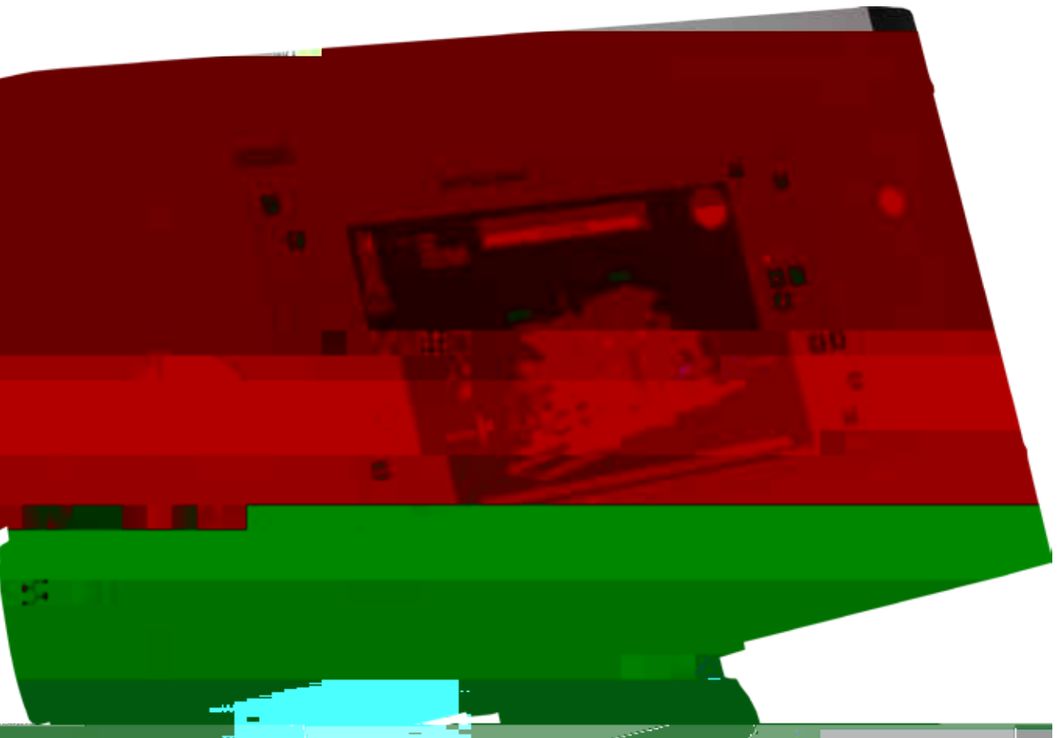
- Control Panel adjustable for height and screen angle to match operator's preference or need
- User Interface has touched panel clearly arranged with intuitive graphics
- Symbolic buttons manage speci□c parameters to improve understanding within shortest time
- Adjusting one parameter automatically and correctly changes corresponding pre-set parameters without further complex input of many parameters
- Many adjustments are set by a simple slider to allow inexperienced operators become quickly familiar with logic and operating knowledge

Further features of operator controls:

- Automatic mold change can be supervised by a remote control directly at the machine
- Settings for molds and product groups are saved and automatically retrieved
- Operator control extends throughout entire plant work centers (Mixing/Batching; Production; Curing; Handling; Treatment; and Packaging)



Mould and Tamper head control by sliders



HESS P d· c ı S ıa ı ı c (I d· ı 4.0)

It is important for operators and supervisors to have access to critical production data to assess the performance status of the product orders to better serve customers and manage pro□tability. All relevant information is collected in a Microsoft SQL database is retrievable by authorized managers on their monitors, or remotely via a Web Browser App on any mobile device.

Features of the HESS Production Statistics:

- Data is sorted by location, plant, and plant equipment
- Multiple facilities can be monitored and evaluated
- Data is accessible via mobile devices (smartphones or tablets) anytime and anywhere
- Included as standard with new installations. Retro□ts are possible
- Data for each work center (mixers; production machines; □nger cars; curing chambers; splitters; etc.) are collected and tracked
- Data is available for import into business system

As the industry demonstrates increasing digitalization of production processes (Industry 4.0) the HESS Production Statistics supports continuous improvement programs and other manufacturing excellence initiatives.

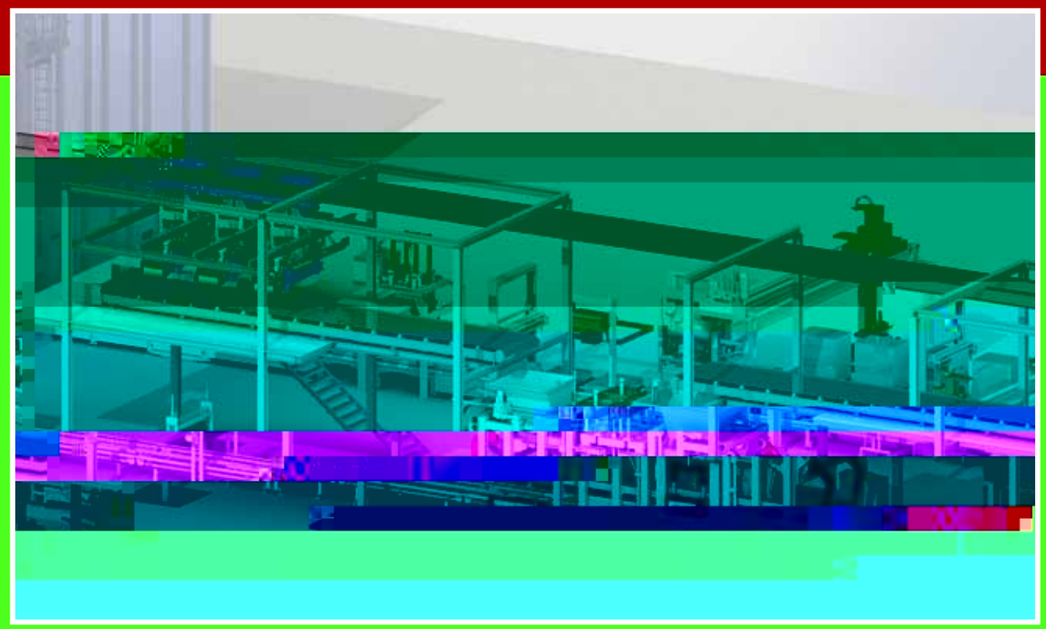
- Digital chamber and storage administration
- Link to ERP Systems (SAP, Navision, Oracle)
- Integration of parametric value data for quality control
- Product tracking
- Integration into customer-speci□c order management

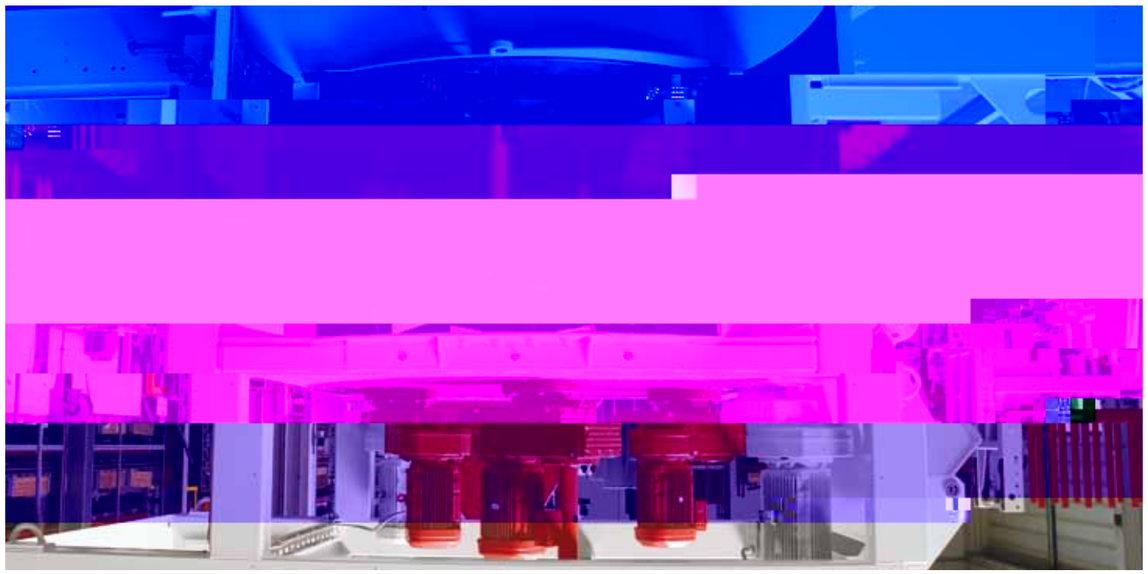
F- a- t a\ d d- c\ .\ .a- add. (

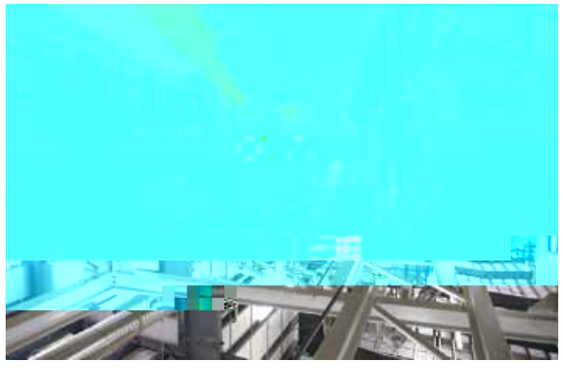
1. Mixing plant
2. Concrete block machine
3. Elevator
4. Finger car
5. Curing chamber
6. Lowerator
7. Value adding line
8. Cubing
9. Board return / -bu□er
10. Transport of □nished cubes

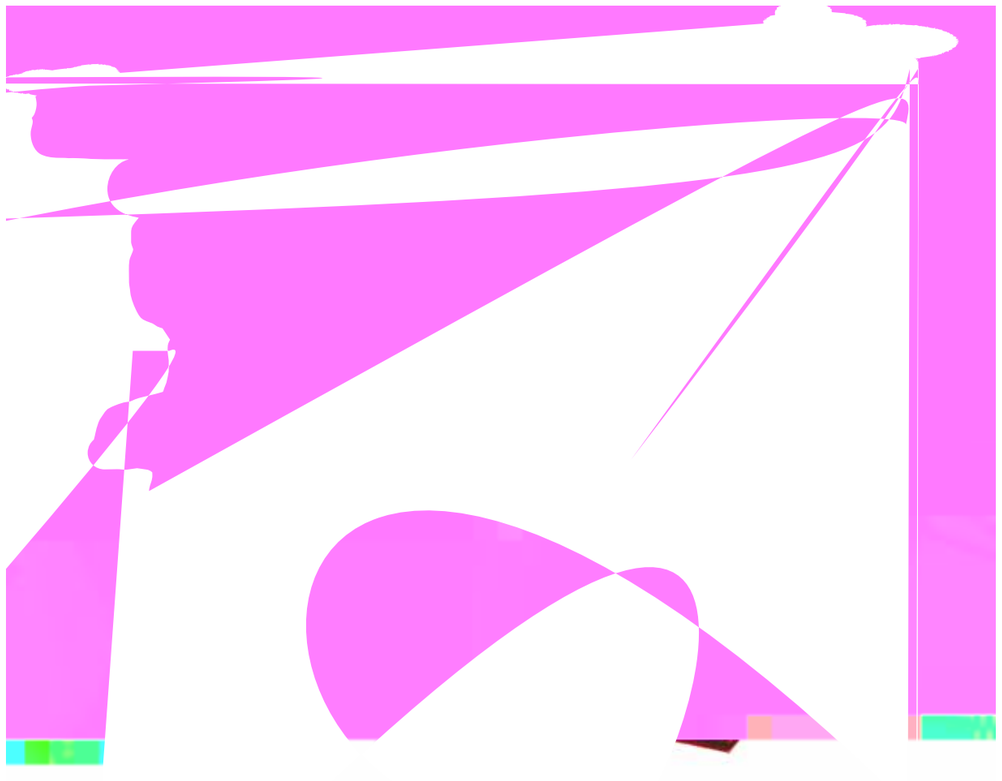
F- a- t a\ d d- c\ .
c , a \. -ac a d c ,

1. Agreggat silos
2. Mixing plants
3. Colormix dosing belts (Core mix)
4. Colormix dosing belts (Face mix)
5. Concrete block machine
6. Elevator
7. Finger car
8. Curing chamber
9. Lowerator
10. Cubing
11. Boar return / -bu□er

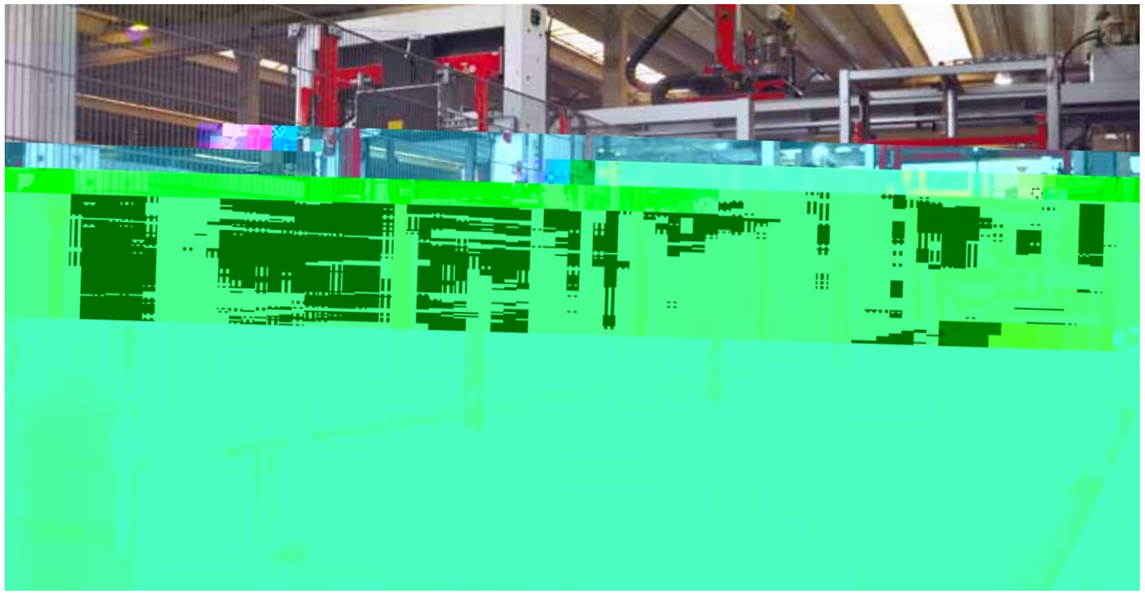






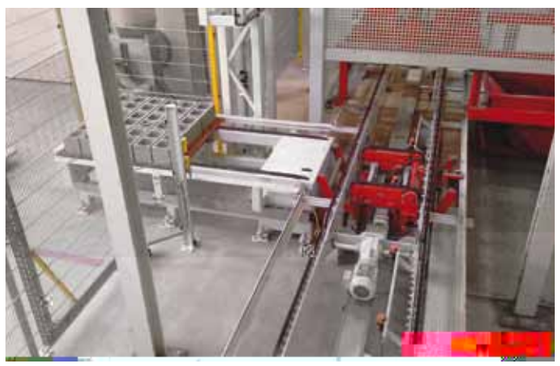


Transfer and handling systems

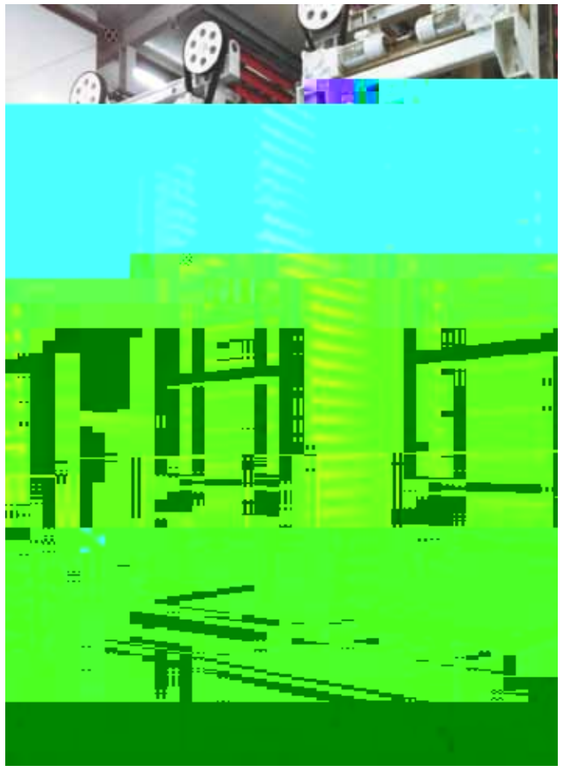


Dry Side

Bu□er rack



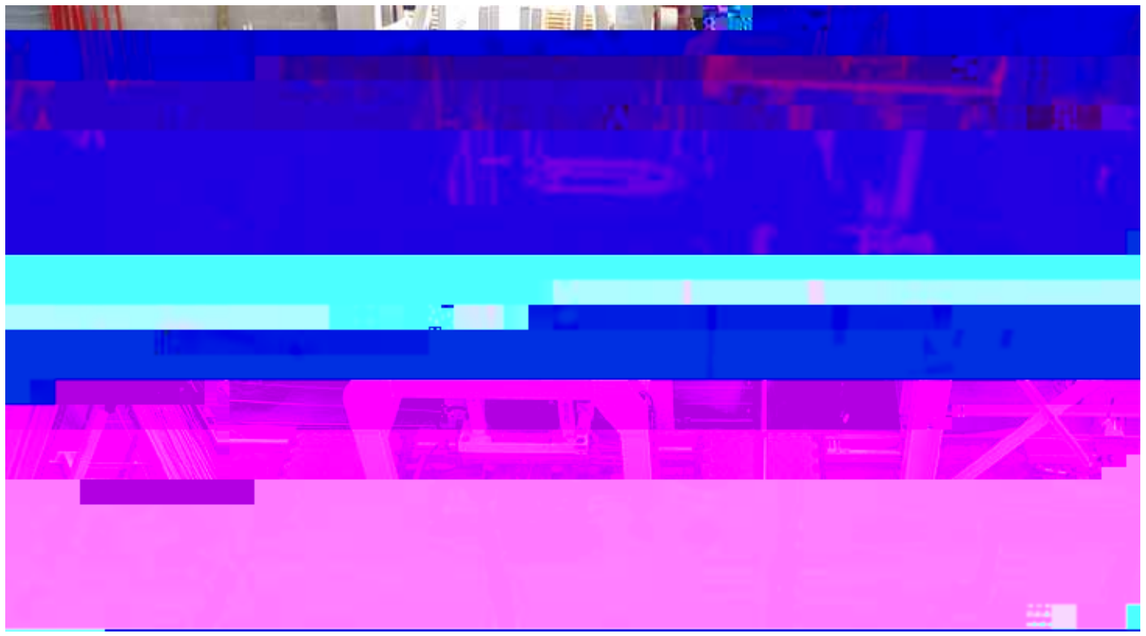
Quality control station



Lowerator with bypass

Finger car

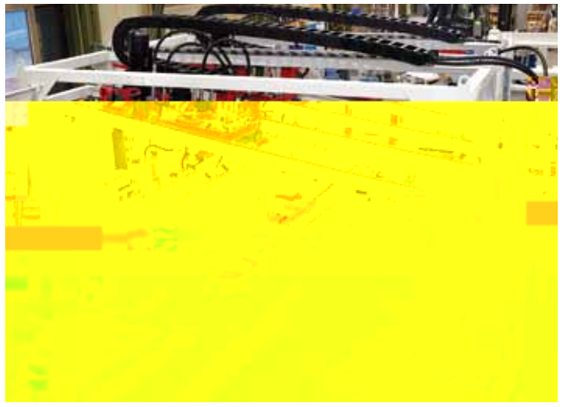
Board bu□er □nger cart



Surface treatment

Aging, curling, and coating system

Coating line



Washing system

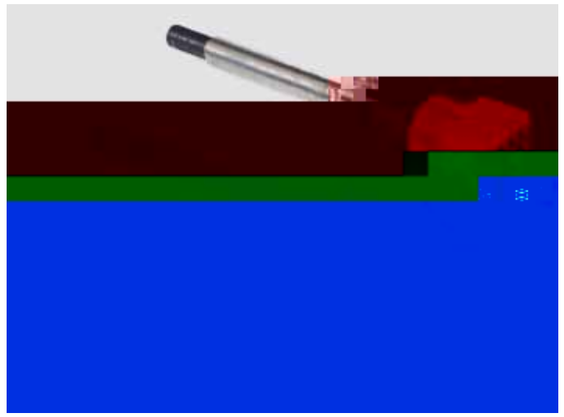
S- -ac T a\ \.

The market demand for enhanced surface □nishes continues to grow, and o□ers producers an opportunity to grow in market share and pro□tability. TOPWERK GROUP stands alone in o□ering the most complete line of surface treatment systems that deliver architectural-grade □nishes with integrity, re□nement, and unmatched in capability and output.

Surface treatment of concrete products can be implemented in two di□erent methods: Wet side treatment between the production machine elevator device; or, dry side treatment which is applied before cubing with a bypass solution.

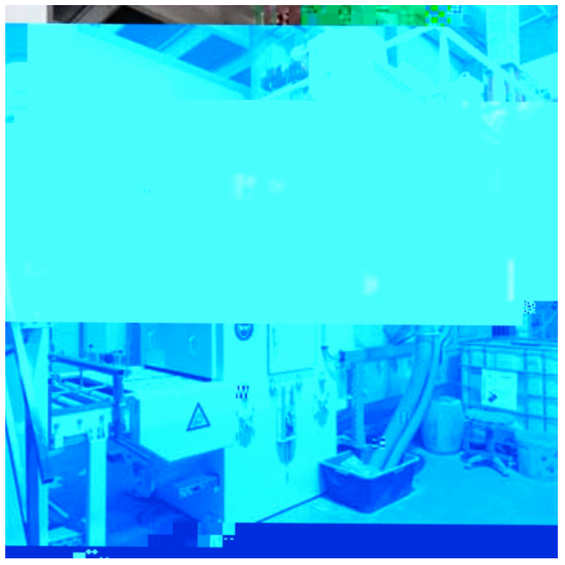
- Aging / bush-hammering / abrasion rumbling
- Coloring
- Curling
- Chamfering and edge treatment
- Calibration
- Surface protection
- Grinding
- Splitting
- Blasting
- Washing

Colored and bushhammered pavers



Bushhammering technology

Shot blasted slabs

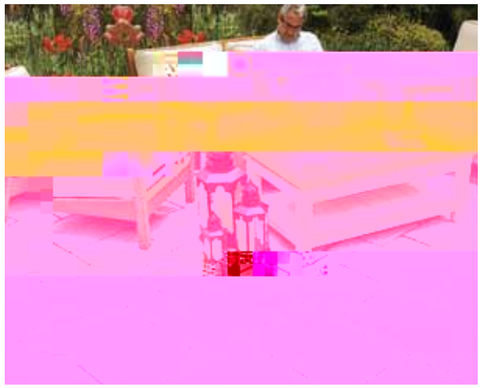


Blasting machine

Shot blasting technology

Surface treatment

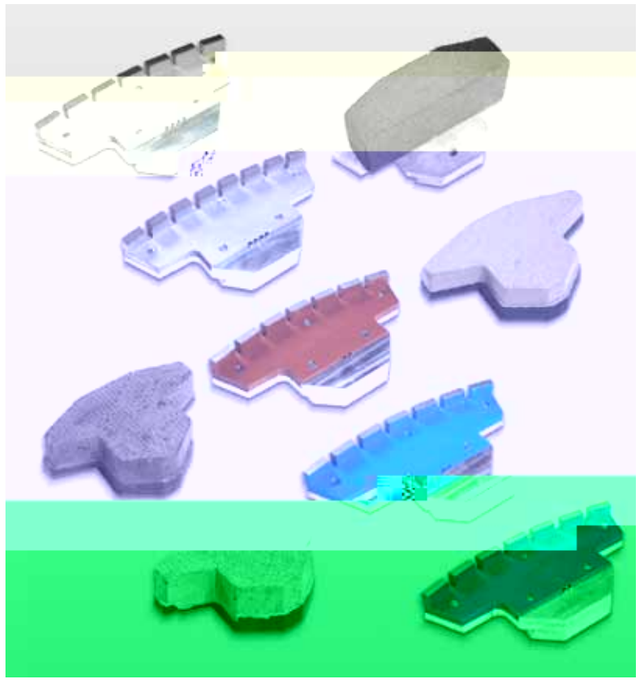
Curling machine



Curled slabs

Vertical milling machine

Split masonry bricks



Grinding tools

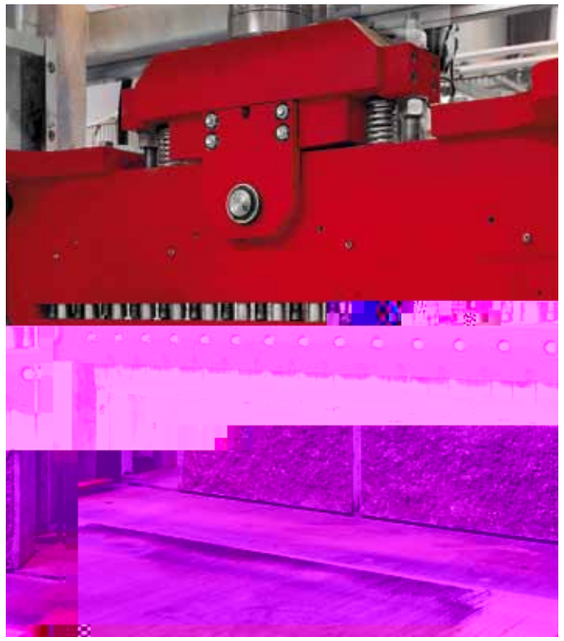
Grinding machine

Grinded slabs

Our patented equipment technology is combined with speci□cally designed handling systems which can be integrated into the fully automated production plant via a bypass line, or a secondary o□-line to support producer preference.

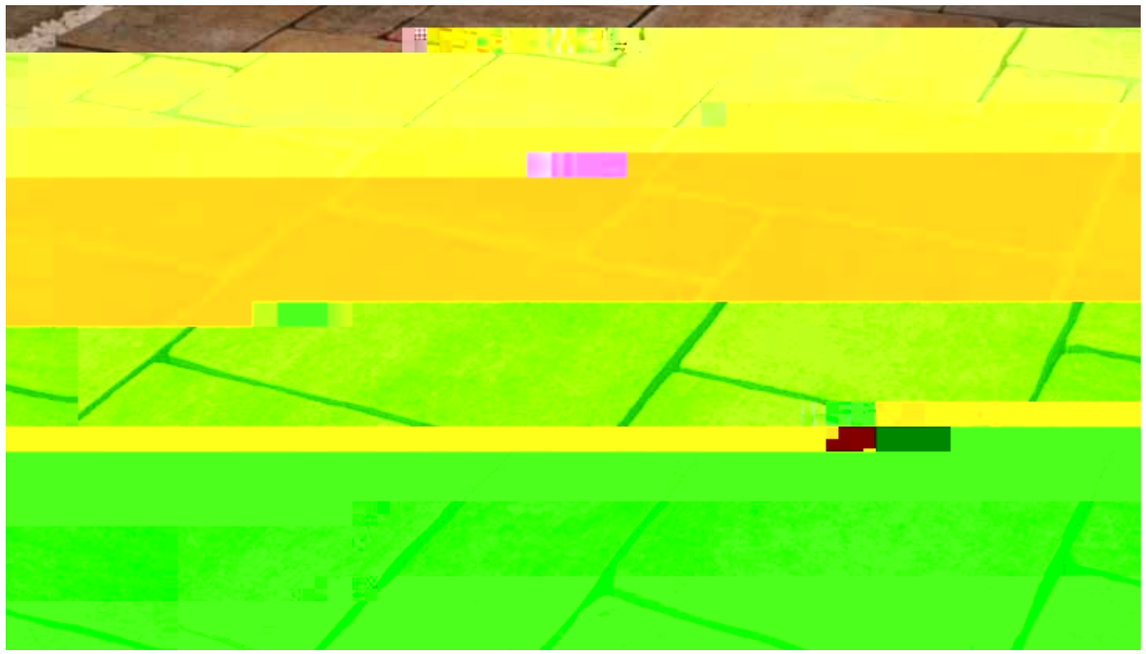
All surface treatment technology is designed to optimize output and reduce unit production cost to enable our producer customer to pro□tably capture market share and gain a faster return on investment.

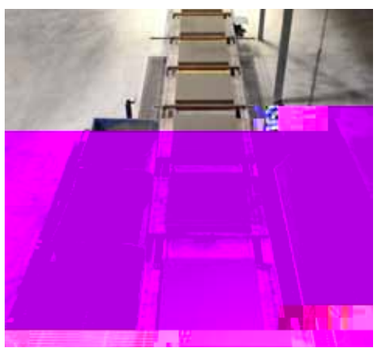
Colored pavers

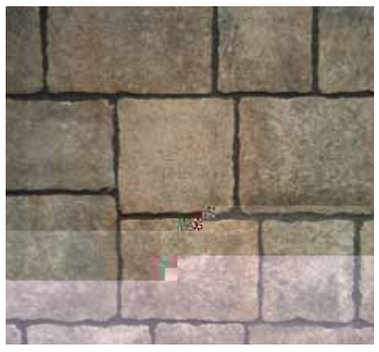


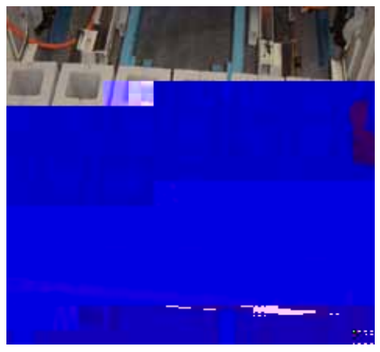
Splitting machine

Colored pavers / colored palisades









W E P U T C O N C R E T E