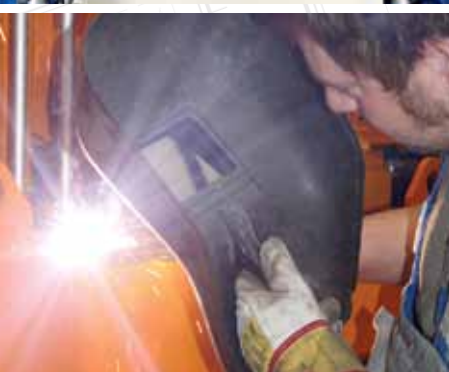


# FRIMA - HP1400 „THE HIGH-SPEED MACHINE“



EFFICIENT · LOW-MAINTENANCE · USER-FRIENDLY





## THE HIGH-SPEED MACHINE

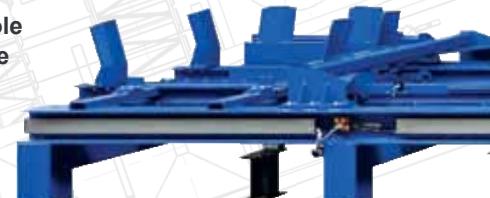
The **HP1400** has been designed as a big board paver machine for a wide range of applications, for high production rates.

Even with this large production area, a uniformly high quality product is produced. This machine is available with a number of technical features that make it a unique model among concrete block making machines.

The development of this machine has focused on the industrial capability and ease of use at the forefront. These lead to the use of maintenance-friendly components and a very solid frame for its construction and installation.

Another benefit of flexibility of this plant also relates to the control technology; whether centralized or decentralized automation structures, extensions can always be adapted accordingly and thus, provide a highly sustainable solution that represents the combination of our practical experience with the latest technology.

**The HP1400 offers the production of the whole range of building materials such as: concrete pavers, curbs, concrete slabs, bricks / concrete hollow blocks, garden elements, etc.**

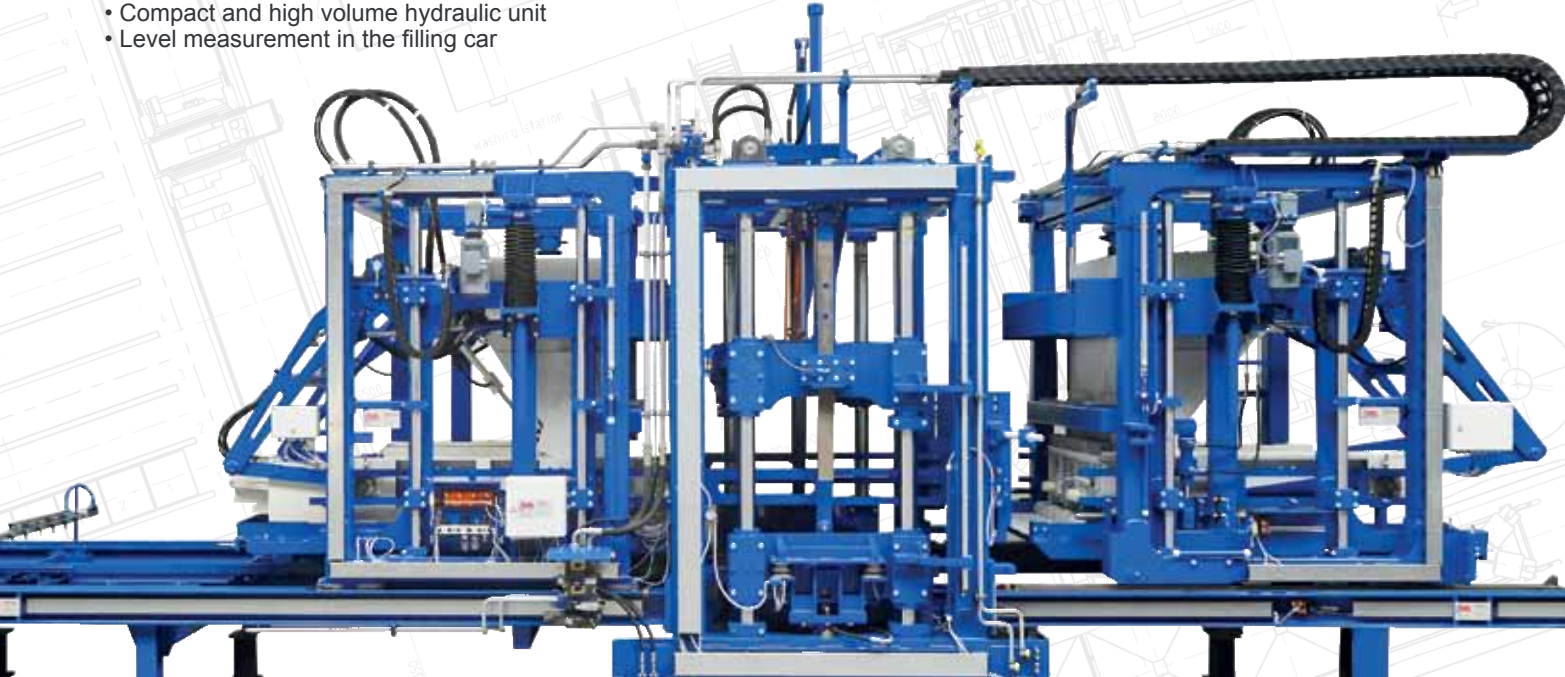


# TECHNICAL FEATURES

- Production Boards: 1400 x 1300 mm min., 1400 x 1400 mm max.
- Production Height: 40 mm to 500 mm
- Guide pillars  $\varnothing$  120 mm
- Automatic vibrating force adjustment
- Principal axes with proportional control valves and position detector
- Extremely heavy mechanical design for high performance
- Latest control and visualization systems SIEMENS S7 and 3D user interface
- Automatic height adjustment of filling device
- Pneumatic scraper
- Proportional pressure setting of the air bags mould suspension
- Continuous level measurement in silos
- Compact and high volume hydraulic unit
- Level measurement in the filling car

## *Depending on version:*

- 2nd Filling device for face-mix concrete
- Quick mold exchanger
- Cross-cleaning device
- Colour mixer
- Drawing sheet pulling device
- Device for insulating brick production
- Mechanical height stop with balancing the board thickness difference
- Discharge pit



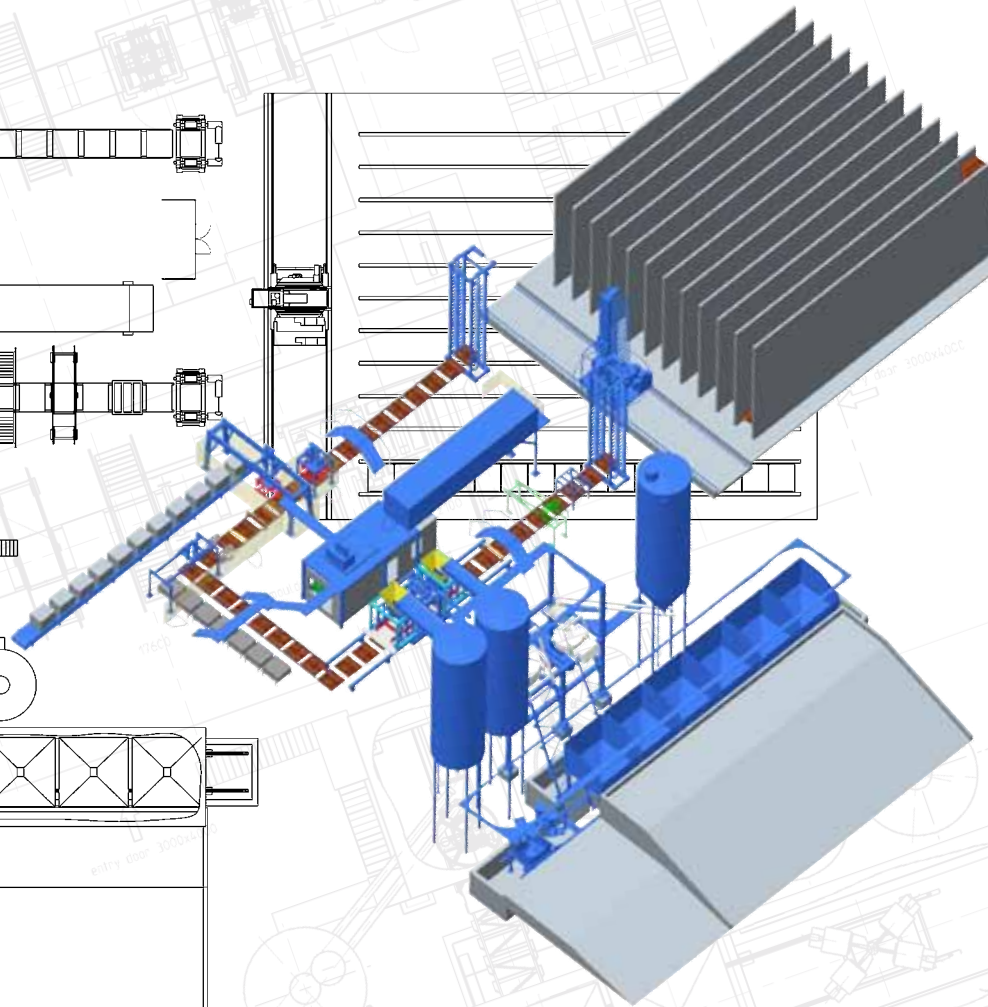
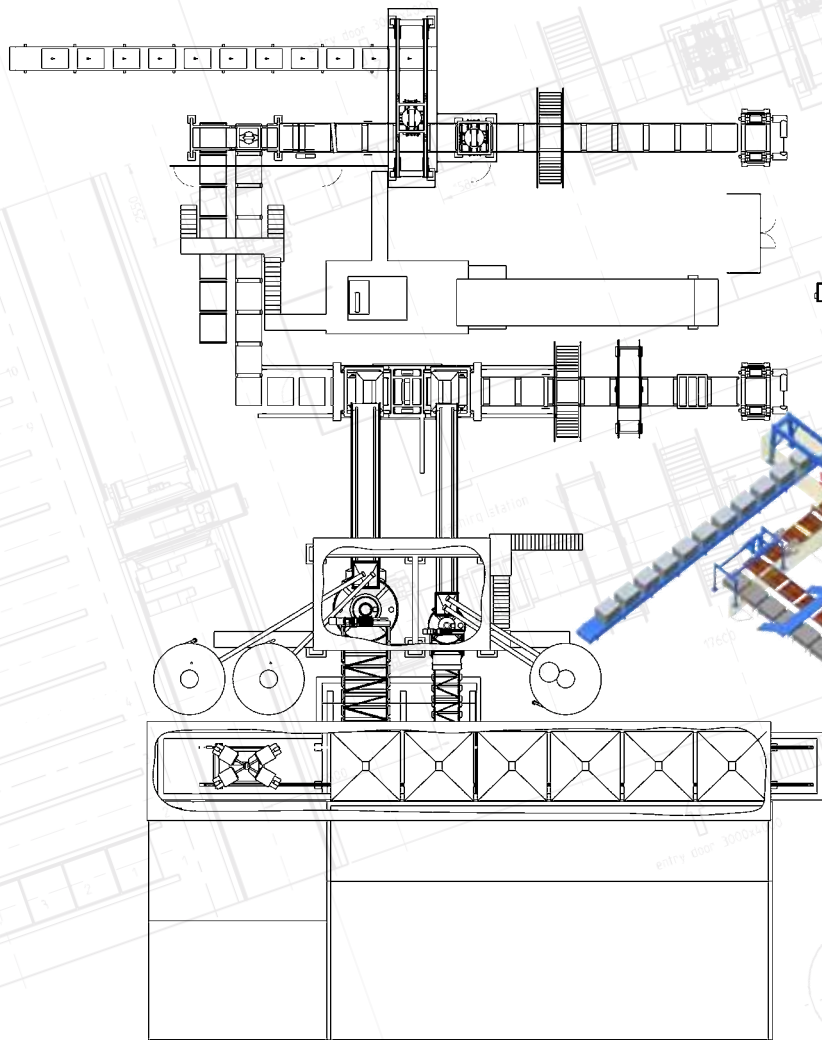
# FRIMA CONCRETE BLOCK PLANT HP1400

- Block machine with one or two filling devices
- Wetline conveyor (hydraulic pusher)
- Rubbish remover
- Stone brush
- Elevator
- Finger car
- Lowerator
- Dryline conveyor
- Stone loosening devise and positioner
- Cuber
- Banders
- Board brush/ turner /buffer

# MIXING AND BATCHING PLANT HP1400

- Aggregate silos
- Moving scale
- For mixer
- Planetary base mixer with skiphoist
- Planetary fine mixer with skiphoist
- Cementsrews
- Cement scale
- Admixture pump
- Moisture control
- Colorstation (option)
- Bucket conveyor







## COMMITMENT TO SERVICE

**FRIMA** stands for continuous monitoring of machine and plant life.

**FRIMA** offers you all the services you need in order to achieve the highest possible plant availability.

**FRIMA** does not leave its customers alone. Not even when the machine or plant has been installed and the production is running. We support you with all questions and requirements for the operation of the installed machines and plants with spare parts, inspection, maintenance, consulting or upgrading.

**Talk to us – we are looking forward to working with you.**

## SPARE PARTS SERVICE

A quick and reliable supply with spare parts and service is the basic requirement for a successful system operation.

For this reason, high spare parts availability and low response time are regarded as top priorities for spare part and service requirements at **FRIMA**.

In addition, **FRIMA** has developed a new remote maintenance concept. By use of this concept, we can access the system control and all networked plant components via VPN tunnel by means of a standard PC without any additional installation of hardware. Consequently, diagnoses, parameter settings, fault removal as well as software enhancements and modifications can be performed. This saves you an enormous amount of time and costs. Using this concept, our technicians can access your system any time and from anywhere in the world.

Of course, our employees are happy to support you personally any time besides this new type of remote maintenance.



## PRODUCT LINE

- Hollow blocks
- Pavers with facemix
- Pavers without facemix
- Kerbstones
- Slabs
- walling stones
- landscaping products



### **performance data FRIMA-HP1400**

(Output in 8 h production with 92% efficiency / Data's are based on proper materials and grading curves)

**size of the board 1400 x 1400**

**work surface 1300 x 1350**

product	Hollow blocks	Pavers with facemix	Pavers without facemix	Kerbstones
size	20 x 40 h x 20 cm	rectangle 10 x 20 cm	rectangle 10 x 20 cm	15 x 30 h x 100 cm
units per board	18	72	72	6
cycle per minute	4	4	5	2
output in 1 hour	3.750	313 m <sup>2</sup>	400 m <sup>2</sup>	663 in linear meter
output in 8 hours	30.000	2.500 m <sup>2</sup>	3.200 m <sup>2</sup>	5.300 in linear meter



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