



## MACHINE DESCRIPTION

EUROBLOCK 12 is movable machine with high productivity and production of concrete blocks. Machine can be semi-automatic or full automatic model. Machine is equipped with rotating mechanism at the end of working surface. Hydraulic and mechanical parts inserted in machine are high quality and provide optimal functionality and safety. Machine can be equipped with cooler for oil. Vibration system is with high frequent vibrators [6000 rpm], on upper and down part of mould. Vibrating plate is using for paving stones and can be inserted as additional option. All hydraulic parts are by CETOP standard.

## TEHNICAL DATA

<b>Max usable mould area:</b>	1290 mm x1130 mm (product height up to 250 mm) 1240 mm x 900 mm (product height from 250 to 330 mm)
<b>Min. product height:</b>	175 mm
<b>Max. product height:</b>	350 mm
<b>Cycle time:</b>	Depending on type of production and raw material, 25 - 40 sec
<b>Concrete bunker capacity</b>	1000 l
<b>Capacity:</b>	1200 blocks/h (20x20x40 cm)
<b>Machine weight with mould:</b>	5.500 kg
<b>Installed power:</b>	16 kW

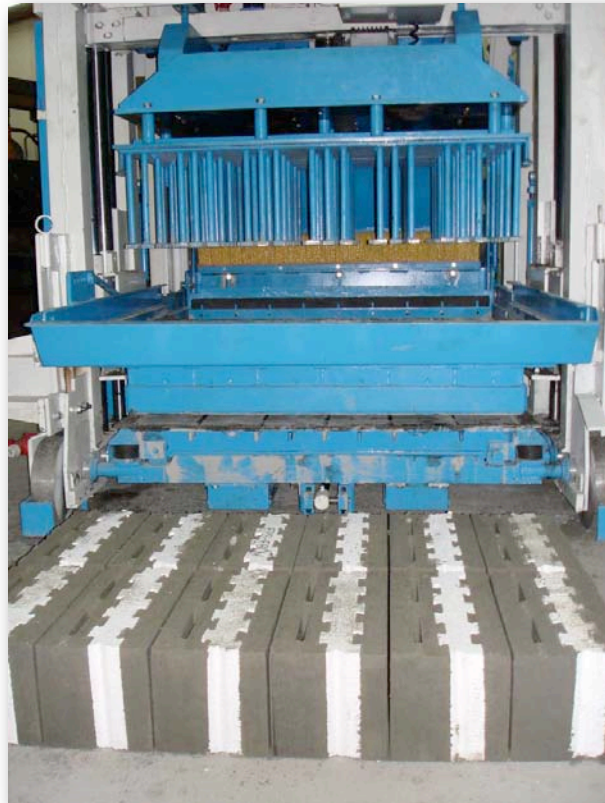
Machine is used for the production of:

- Hollow blocks for building
- Solid blocks
- Chimney blocks
- Light weight blocks
- Paving stones (with vibration plate option)



## EUROBLOCK with EPS device

Now we can produce concrete blocks using EPS. We present our EUROBLOCK I2 using the EPS device.



I EuroblockI2 using the EPS device

MOVABLE CONCRETE BLOCK MAKING MACHINE  
EGG LAYER TYPE

# EUROBLOCK 12



*With movable machine EUROBLOCK 12 – SEMI AUTOMATIC, following concrete products are produced on efficient way:*

1. Hollow block stones
2. Solid block stones
3. Chimneys
4. Light weight blocks
5. Paving stones [with vibration table option] \*additional option

*Following measurements respecting the generated products are characteristic for the EUROBLOCK 12 – SEMI AUTOMATIC:*

1. Concrete element height: 175 mm until 500 mm.
2. Maximum production surface [area]: 1.290 mm x 1.130 mm (product height up to 250 mm).
3. Maximum production surface [area]: 1.240 mm x 900 mm (product height from 250 to 330 mm)
4. Min. block height: 175 mm
5. Max block height with main tamper head plate: 250 mm
6. Max block height without main tamper head plate: 500 mm

Production capacity:

For blocks 400 x 200 x 200 mm ..... 1.200 blocks/h.

For blocks 400 x 200 x 120 mm ..... 2.000 blocks/h.

## Short description

Available in semi and fully automatic version. Machine can be equipped with hydraulic oil cooler for working conditions in hi temperature environment . Vibration table for producing paving stones and curbstones can be fitted on machine frame, and also 500 mm max block height (floor production) can be achieved. Hydraulic components are in CETOP standard manufacturer VICKERS. In full automatic operated version SIEMENS PLC and touch panel HMI is installed. Tamperhead is equipped with hydraulic brake for help during demoulding of blocks.

## 1. DESCRIPTION

*This movable high-performance machine EUROBLOCK 12 – SEMI AUTOMATIC consists of following components, parts made by the world known manufacturers:*

- Operation by hydraulic valves lever actuated, except filling box moving that is done by electrical operated valve (semi-automatic operation). Semi-automatic operation of the machine means that mould filling process is programmed by number of cycles of filling box and pre-vibration time is also programmed and automatically done.
- Hydraulically operated mould filling box
- 5th wheel for shunting hydraulically driven
- Running wheel with synthetic lining for machine operation without rails.
- Common height adjustment for hopper and guide table
- Digital relays for adjustment of vibration times
- Concrete hopper capacity of 1000 liters.
- Travel gear with motor reducer 3 kW with DC brake
- Safety guard meshes
- Hydraulic controls (Vickers, Duplomatic, Salami, Hawe, Marzocchi and other world known manufacturer with certified top quality)
- Electric controls from top world manufacturers with certified quality
- Oil cooler Emmegi - Italy
- Tamper head and mould vibrators 4 pcs in total (2 for mould and 2 tamper heads)
- Vibration plate vibrators (twin vibrators) two pieces in total.

Motors manufacturer: ATB Sever, Siemens  
Vibrator bearings made by FAG or SKF.

Total motors for vibrators to deliver with machine:  
4 pcs x 1.5 kW (2 mould vibrators, 2 tamper head vibrators)

Board-Console: HAGER, RITTAL

Contactors: Siemens, ABB  
Fuses and motor current protections: ABB - Germany  
Main switch: Bretter – Italy  
Relays: Finder – Italy  
Pushbuttons: Telemecanique – France  
Master switches: Bretter – Italy  
Board cooler: Rittal – Austria  
PLC (for automatic operated machines): SIEMENS S7

GUIDE COLUMNS: All hard chrome plated.

**PRODUCTION SAMPLES**



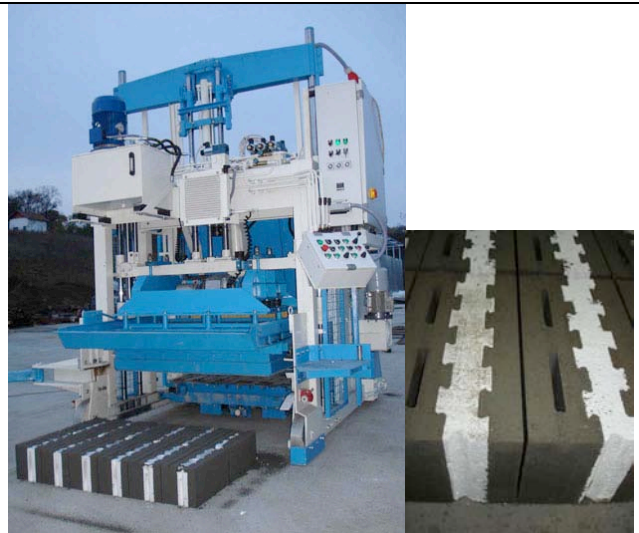
Garden blocks production



Solid blocks production



Hollow blocks production



Insulated blocks



Hollow blocks Middle East standard



Special concrete elements by customers request !



Palisade - curbstones



EB 12 machine with vibration plate and face mixequipment for production double layer concrete elements (paving stones, curbstones ...)

## General technical data

of machine *EUROBLOCK 12 – SEMI AUTOMATIC*:

### MEASUREMENTS

length	3.300 mm
width	2.250 mm
height mould bridge unit above	3.000 mm
height mould bridge unit below	2.530 mm
Usable mould width	1.290 mm
Usable mould depth	1.130 mm
Maximum block height	500 mm
Minimal block height	175 mm
Concrete hopper volume	1000 liters

**OPERATION CYCLE** 25-40 sec

### WEIGHT

Net weight	5.800 kg
Max 4 mould vibrators	48 kN
Max 2 tamper head vibrators	20 kN
Power consumption max.	17.5 kW

### HYDRAULICS

Rotary current motor for pump	
Driving performance	7,5 kW

### OIL TANK

filling volumes	80 l
maximal pressure	200 bar

### ELECTRO TECHNOLOGY

Network tension	400 V / 50 Hz
Nominal performance	70 kW
Pre-fuse	160 A
Control voltage	230 V / 50 Hz
Control voltage hydraulics valves	24 V