

**Angebot / Offer 250711 ZENITH STATIONARY MULTILAYER MACHINE with face concrete device
Manufacturing YEAR 2004**

for the mass production of paving stones and special elements up to a height of 500 mm.

Maximum width of the mould: 1.240 mm.

Maximum depth of the mould: 1.000 mm.

Stone height min.: 50 mm.

Stone height max.: 500 mm.

Maximum stacking height for the
production of paving stones: 640 mm.

Connection values: 380 V, 50 Hz. totally 100 Amp. Cables section: 4 x 35 mm²

In standard version equipped with electrical and hydraulic

installation for a face concrete hopper (second hopper).

Production capacity:

Depending on the product type and concrete type, each working cycle needs:

without face concrete for pavers with a height of 60 mm. approx. 28 sec.

with face concrete for pavers with a height of 60 mm. approx. 32 sec.

Standard equipment:

Mechanical system

- Strong machine frame of rectangular steel sections
- Guide of 4 columns for mould and countermould, diameter of the columns 80 mm., guide bearings of 80 mm. diameter with dirt scrapers (scraping rings).
 - Guide columns hard chromed
 - Mechanical synchronism of mould and countermould by lever shafts.
- Hydraulic blocking for the synchronized descend of mould and counter- mould on the elevation table.
 - Hydraulic retention of the countermould during the demoulding.
- Hydraulic mould pressure device, in this way the mould is pressed on the vibration table during the vibration process.
- Pressure installation of the countermould and hydraulic ejection, adjustable till the maximum working pressure.
- Feeding device and concrete hopper adjustable in height in a quick way and without problems by elevation hoists.
 - Wearing plates of the guide table interchangeable.
- Hydraulic drive of the feeding drawer by level shaft y adjustable rods with spherical connection bearings.
 - Precise guide of the feeding drawer by widely sized rollers.
 - Distribution grid of the feeding drawer easily changeable.
 - Separated guide rails for the feeding drawer, easily adjustable in height. - Rails for feeding drawers coarse concrete and face concrete with inter- changeable wearing rails.
- Coarse concrete hopper with hydraulic hopper closure, approx. capacity 2.100 l.
 - Filling level indicator of the hopper with optical indication
- Opening width of the hopper and opening time are adjustable for the optimum material dosing.
 - Hopper execution adapted to feeding with concrete shuttle wagon. - Sand scattering device for the separation of the layers, with vibrator and filling level indicator, mounted on the vibration table.
 - Sand storage reservoir, located at the machine frame for an easy access. - Scissor type elevation table of strong execution with mounted rollers for heavy loads for elevation and descending, pallet stopping device with optical approach of the position.
- Quick countermould changing device
- Main plate of countermould for the countermould vibrators
- Supporting selfcarrying construction for the machine.
- Pallet retainer for the storage of max. 15 pallets of wood or steel with hydraulic discharge of the lowest pallet, with front loading,
- Safety blocking system of all the safety fences by code lockings in order to prevent accidents of the supervising staff during the production.

Vibration system

There is a mobile vibration table in the frame of the machine, this table is divided in two parts for the optimum transmission of the vibration force with wearing plate easily interchangeable.

Table vibration

- Two eccentric twin high frequency vibrators, synchronized by toothed wheels for the directional vibration with 4 three phases motors, 3 kW each one.
 - Maximum vibration force 4 x 20 kN.
 - Brakes with continuous current, adjustable braking time.
 - Individual connection by plug and individual fuse for all the motors.
- Hydraulic system
- Clear and compact hydraulic system, capacity of the reservoir approx. 400 liters.
 - Hydraulic group, adapted to a max. of 180 bar.
- Electrical system
- Standard the machine is equipped with a programmable control system, totally electronic, made SIEMENS.
- Clear and compact central control board with all push buttons and lights for the manual and automatic starting up.
 - Vibration connection by time or stone height.

- Adjustable regulation of the pre-vibration, intermediate vibration and main vibration.
 - Contact free limit switches
 - Indication of the working step on the screen.

 - Working hours meter
 - Indicator of absolute values for the mould and countermould stroke with simultaneous stone height control and selection possibility for the stone height correction through the OP 17.
 - 1. FACE CONCRETE HOPPER
 - for face concrete, capacity of the hopper 1.850 liters.
 - Mobile in lengthwise direction of the machine.
 - Feeding system and concrete hopper adjustable in height through elevation winches.
 - Concrete hopper with hydraulic closure.
 - Filling level indicator of the hopper with optical indication.
 - Complete hydraulic and electric installation for an easy connection to the basic machine.
 - 1. Roller transport system
 - for the transport of the full production pallets outside the machine, composed of:
 - One roller belt for 3 production pallets in the machine area. - One roller belt for 3 pallets.
 - 1. Air conditioning system for the PLC control system. 1. Oil cooling and heating group
 - 1. Working platform, with galvanized grids, stairs and railings. 1. Quick countermould changing device.
 - 1. Programmable control system, totally electronic with access through PC. Mainly composed of a control cabinet with SIEMENS control S5 115 U with control board with PC and a local control for the machine.
 - With WINDOWS NT system and visualization system WinCC.
 - 9. Used moulds for the production of paving stones
 - Approx. 200 units steel production pallets.
- PRICE EX WORKS : on request
 DELIVERY TIME: To be agreed.
 TRANSPORT AND INSURANCE: On account of the buyer.
 OVERHAULING AND PAINTING:
 In case needed, this will be charged separately.
 DISASSEMBLY, ERECTION AND STARTING UP:
 On account of the buyer.
 In case needed, this can be realized by our technicians according to our valid price list.
 PAYMENT CONDITIONS :
 100% by bank transfer before collecting the machine.
 The installation does not include any parts not mentioned in this offer.





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