



Multilayer



Fully-automatic
Machine



Environment-
friendly

844

Fully automatic stationary Multilayer Machine



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Worldwide the best in economical concept for the mass production of interlocking pavers and similar products of top quality. Model 844 is a fully automatic, stationary multilayer machine. The result of decades of research using the most modern technology. Performance at high level with simple handling and very low maintenance. The innovative Touch-Operator-Panel, using a revolutionary visualized menu navigation, allows easy and self-explanatory operation of all machine functions.

Designed for products ranging from 50 mm to 500 mm. With model 844 pavers are produced as easy as curb-stones or landscaping products.

Using modular components, the production sequence can be fully automated to final cubes – ready for transport. Storage systems with robot for curing are the perfect answer. In addition, consolidating stations are available to match shipping requirements. Step by step, the manufacturing system can be expanded to a fully automatic production line. When production is focussed on paving stones, model 844 is far superior to single pallet plants concerning the price-performance ratio, duration of installation and simplified handling. The ZENITH team will provide full assistance during an early stage to ensure your success, based on sixty-five years of experience. ZENITH – partner to the best.



Features

1



The machine is controlled via a 15" Touch-Panel. This innovative technology with self-explanatory and clearly structured menu navigation helps your operating personnel to familiarize with the machine within shortest time and to work efficiently right from the start.

2



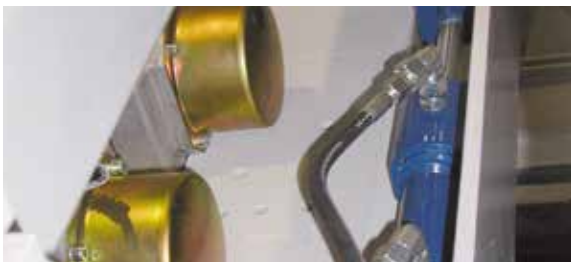
The flexibility of the machine is provided by the height adjustable vibrating table. As a standard it allows manufacture of products with a height from 50 – 400 mm and 500 mm. As an option even the production of lower elements can be realized.

3



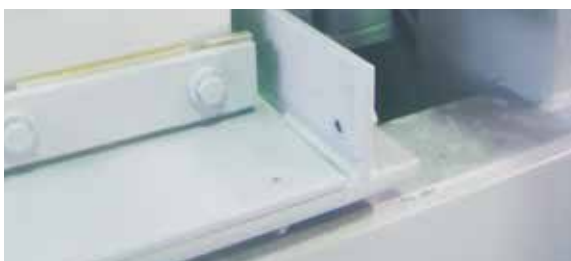
Best possible protection of operating personnel is provided by the safety concept which is permanently controlled and upgraded.

4



With the proven combination of mechanical quick lock, tamper head quick change device and electric height adjustment of filling units, the ZENITH 844 sets benchmarks for multilayer machines regarding mould change times and availability.

5



Surfaces that are highly strained during production, for example the running rails or guide tables, are made of special steel. These parts are fixed via screw connections and can be exchanged easily.

6

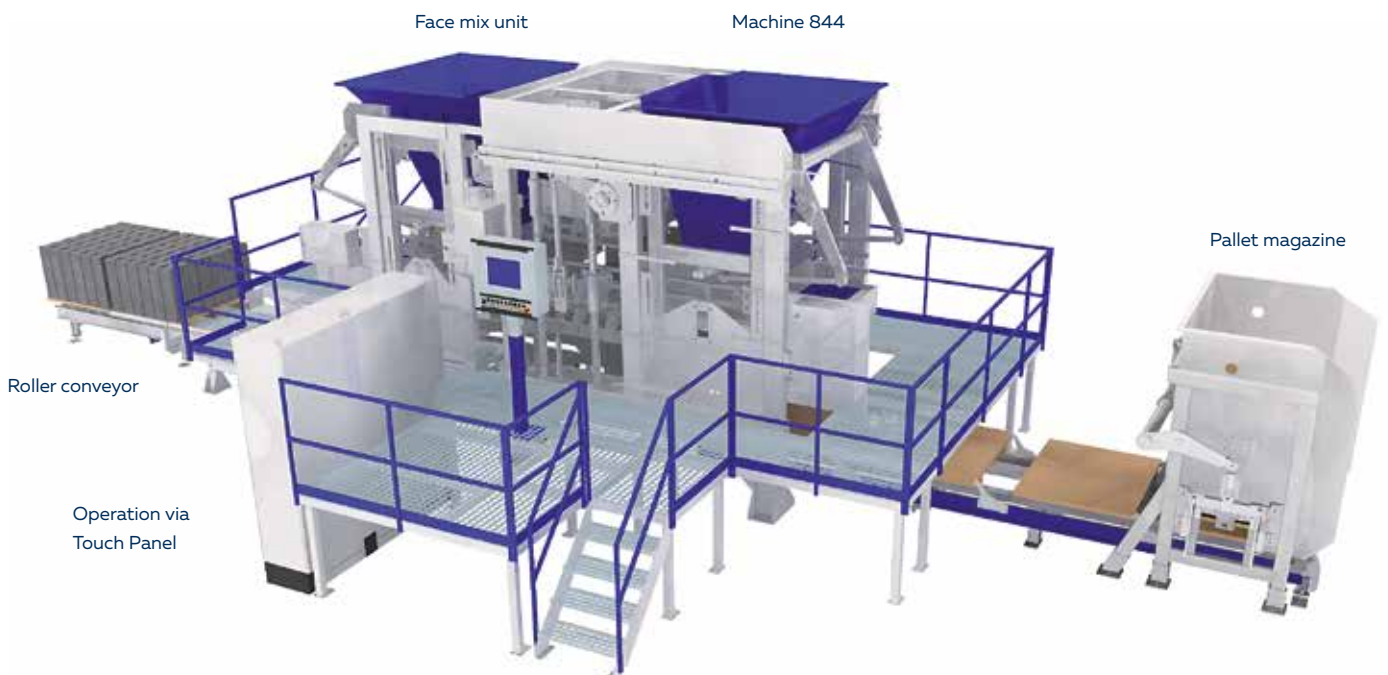


To increase the machine's capacity, it can be outfitted with the optional "Speed & Comfort" package. This package includes controls and hydraulics with higher performance, back concrete feed drawer with hydraulically operated grate, frequency controlled table vibrators etc.

Examples of products



Layout





Technical Details

Features

Block height

Max.	500 mm
Min.	50 mm
Optional block height	35 mm

Cube height

Max.	640 mm
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Production area

Max.	1.240 x 1.000 mm
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Pallet size

Standard	1.270 x 1.050 x 125 mm
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Back concrete hopper

Volume	2.100 l
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Should the desired stone cube height, pallet size or product height not be listed, we will gladly check if we can work out a special solution suiting your needs best.

Machine weight

With face mix unit	16.000 kg
Roller and pusher conveyor, operating platform, hydraulic station, pallet retainer etc.	9.000 kg

Machine dimensions

Max. total length	6.200 mm
Max. total height (transport)	3.000 mm
Max. total width	2.470 mm

Machine data / Power supply

Vibration system

Vibrating table – two part, mounted at right angles to working direction	
Vibration force table	max. 80 kN
Table vibrator motors separately cooled (double cooling capacity with optional "Tropical" package)	
Vibration force tamper head	max. 35 kN

Hydraulics

System: multi circuit medium pressure

844 Standard

Capacity (total): 83 l/min.
Operation pressure: 180 bar
Cooling capacity (oil cooler): 13 kW
With optional package "Tropical" Cooling capacity (oil cooler): 26 kW

844 Speed & Comfort

Capacity (total): 117 l/min.
Operation pressure: 180 bar
Cooling capacity (oil cooler): 16 kW
With optional package "Tropical" Cooling capacity (oil cooler): 32 kW

Electrics

844 Standard

Max. power: 55 kW
Control system: Siemens S7-1500 (CPU 315), TIA-Portal

844 Speed & Comfort

Max. power: 66 kW
Control system: Siemens S7-1500 (CPU 317), TIA-Portal

Operation via Touch Panel

Technical details are subject to changes – without prior notice. Pictures of equipment shown are examples only. Photos may include optionals as per customer's demand.



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