

844

Fully automatic stationary Multilayer Machine





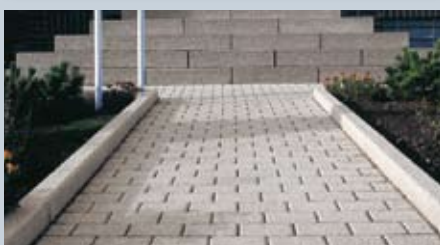
844 Fully automatic stationary Multilayer Machine

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 curbstones 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 fifty years of experience. ZENITH – partner to the best.

844 Examples of products





844 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. Optional 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 up-graded.



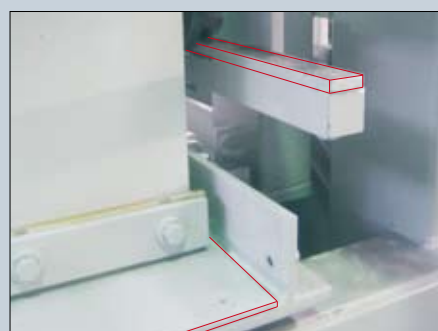
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With the proven combination of mechanical quick lock, tamper head quick change device and electric height adjustment of filling units, the ZENITH 844 sets benchmarks for multilayer machines regarding mould change times and availability.



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.



844 Technical Details

Features	
Block height	
max.	500 mm
min.	50 mm
Cube height	
max.	640 mm
Production area	
max.	1,240 x 1,000 mm
Pallet size	
Standard	1,270 x 1,050 x 125 mm
Back concrete hopper	
Volume	2,100 l
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 hard face unit	14,000 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
Vibrator motors table separately cooled (double cooling capacity with optional "Tropical" package)	
Vibration force tamper head	max. 35 kN
Hydraulics	
System: multi circuit medium pressure	
844 Standard	844 Speed & Comfort
Capacity (total): 83 l/min.	Capacity (total): 117 l/min.
Operation pressure: 180 bar	Operation pressure: 180 bar
Cooling capacity (oil cooler): 13 kW	Cooling capacity (oil cooler): 16 kW
With optional package "Tropical" Cooling capacity (oil cooler): 26 kW	With optional package "Tropical" Cooling capacity (oil cooler): 32 kW
Electrics	
844 Standard	844 Speed & Comfort
Max. power: 55 kW	Max. power: 66 kW
Control system: Siemens S7-300 (CPU 315)	Control system: Siemens S7-300 (CPU 317)
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.

844 Layout

