

New blow-moulder EBS K Ergon: SMI solution devoted to Industry 4.0

Since 1987 SMI has been developing cutting-edge projects and technologies, in order to offer turn-key bottling lines and flexible, ergonomic, efficient packaging machines, inspired by the concepts of Industry 4.0 and Internet of Things (IoT). On booth 14D12, SMI will exhibit the world premiere of the new compact blow-moulder EBS K Ergon (Electronic Blowing System) in Ecobloc version (model Ecobloc Ergon 4-12-4 K EV) as well as an electronic volumetric filler. Based on the technical developments of the stretch blow-moulders of the EBS Ergon series, SMI engineers have developed a new series of compact rotary machines, called EBS K Ergon ("K" refers to the German word "Kompakt"), suitable for outputs up to 8,800bph. The new models, available in 2-, 3- and 4-cavity versions, offer all advantages of rotary technology, with an output range traditionally controlled by linear blow-moulders (from 3-4,000 to 8-9,000bph); thanks to the state-of-the-art solutions, the EBS K Ergon series can produce PET containers up to 30l with a maximum output of 2,200bph per cavity for the 0.5l format. Some benefits of the new EBS K Ergon series are: the preform heating section (tunnel) is integrated with the stretch blow-moulding section (blowing wheel) in a single, compact module, which can be installed even in small bottling lines. The tunnel features a horizontal preform feeder chain and an optimised ventilation and aeration system. The infrared lamp units responsible for heating the preforms in transit are equipped with a system of thermo-reflective panels made of an energy-efficient composite material, and are situated both in

front of and behind the lamps. The structure that contains the tunnel and the blowing-wheel is equipped with safety doors that are slightly rounded, providing more space inside the machine to perform cleaning and maintenance tasks easily and safely. The stretch-blowing wheel is equipped with motorised stretch rods controlled by electronic drives and do not require mechanical cams; this innovative solution ensures control of the stretch rod's travel and position, as well as energy savings.

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News about baling press series HSM V-Press

HSM GmbH + Co. KG, a German manufacturer of baling presses, PET solutions and document shredders, will be exhibiting three new machines from the vertical baling press series HSM V-Press. Their performance and longevity make them an economical waste management solution. The HSM

V-Press series is said to reduce costs at the usually underestimated waste disposal cost centre. The smallest, the HSM V-Press 60, is a mobile collection container with an assembled manual press for voluminous packaging materials such as plastic films, plastic and paper bags, as well as packaging paper and light cardboard packaging. Due to the leverage, the machine produces

well-compacted, stackable bales with a bale weight of up to 40kg for reducing the volume of waste. The bales produced by the HSM V-Press 60 can be pressed into hydraulic HSM bale presses and pressed to larger and higher-density bales. The HSM V-Press 825 is characterised by its low transport height. The pressing process runs automatically. A text display provides detailed information on the current state of affairs. The sliding door automatically opens at the end of the pressing process. It is easy to remove the bales; the bales weighing up to 280kg can be conveniently transported on a pallet.

The HSM V-Press 860 is equipped with the fast-speed technology that was specially developed at HSM for the V-Press series. This reduces power consumption and drive output while increasing throughput at the same time. Compared to conventional drives, this technology reduces the cycle time by up to 40%. Due to the special pump technology, the machines are particularly quiet. With a press force of 548kN and the stable press guiding plate, it effortlessly presses used packaging material such as cardboard and plastic film. The bales reach a weight of up to 480kg and are held together by a 4-fold wire strapping. Polyester strapping is also available as an option.

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