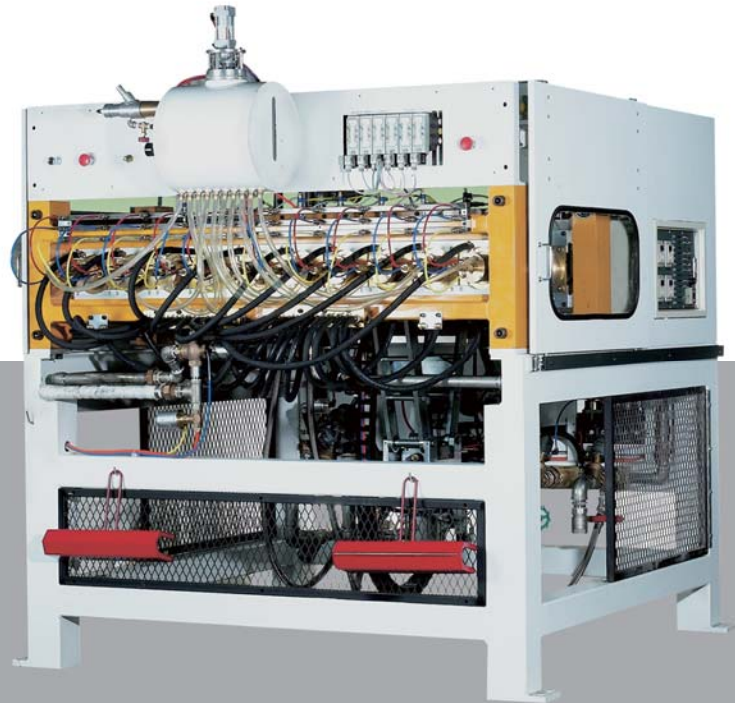




EPS Cups Molding System



Applications:



EPS Cups Molding System

Sunwell Global is able to offer turnkey solutions for the production of EPS cups. The process starts by expanding the gas filled beads through a continuous pre-expander with a maximum throughput of 250kg/hr using beads for multiple molding machines. The beads are air dried across a fluid bed and sieved to ensure size consistency.

The dry expanded beads are transported by blower to storage / aging bags before being conveyed to the molding machines.

Sunwell 10 cavity molding machines move horizontally driven by a pneumatic-mechanical toggle system to give powerful clamping forces and high productivity. Design improvements to machine and tooling have led to faster heating and cooling times, reducing steam and energy consumption.

The molding machine is controlled by PLC with a touch screen interface and faster cycle times have improved productivity and reduced floor space requirements.

Sunwell provides cup unscrambling and collecting systems with the option of an automatic and continuous leak detection system.

Automatic counting and bagging equipment can also be provided capable of accepting stacks from 4 machines and packing 1 to 3 stacks per bag at a rate of 25 stacks per minute.

**PARTNERS FOR
MAXIMUM PROFITABILITY**

EPS Cups Molding System



	EP-200
Products	Coffee or Tea Cups; Ice Cream or Instant Noodle Tubs
Material	EPS Beads
Forming Type	Steam Pressure / Injection
Cavities	8~10
Cup's Density	0.045 ~0.1 g/cm3
Platen Movement	Horizontal
Drive	Pneumatic Toggle System
Product Height	44 ~ 220mm

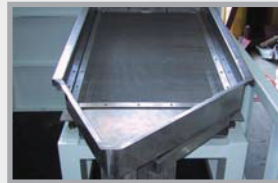
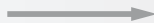
Product Dia.	65 ~150mm
Valve	GEMU; SCHUBERT; SALZER
System Control	PLC with Touch Screen Control
Cups Productivity	2,500 ~ 5,000 cups/hr per Machine
Electric Consumption	10 ~15 kW
Steam Consumption	150 ~ 200 kg/h 8 bar
Air Consumption	1 M3/Min. 7 bar
Cooling Capacity	500kW per Machine
Space Requirement	1,000 M ²

EPS CUPS STEAM CHEST MACHINE WHOLE PLANT FLOW CHART

► Pre-Expander Station



Pre-expander and Fluidbed Material Dryer
(1 set of Pre-expander can match 14 ~ 16 sets of steam chest machines)



Twin Deck Material Sieve

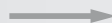


Ageing Silos

► Molding Machines with Cup Molds



Molding Machines



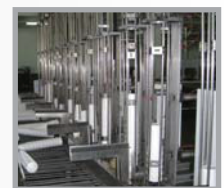
Conveyers



Cups Unscramblers



Leakage Inspector



Auto-counting stacker

► Auto Collecting System

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