

BATCH PRE-EXPANDER

LWP1500 I II / LWP1600 I II



Characteristics:

- This machine is used for secondary pre-expanded machine, it can expand particular low density foamed beads, it also can be used for first pre-expansion after technical reform. It is a multifunctional pre-expander machine.
- This machine applies PLC and touch screen, automatic feeding, electronic weighing, temperature control, material level control to realize automatic production.
- Electronic weighing system and material level control system assure the density of the foamed material, which make the bead uniform and keep the density tolerance within $\pm 2.8\%$.
- This machine applies automatic material charging system, electronic weighing system and PLC central control system, which realize automatic feeding and weighing, improve production efficiency and reduce labor intensity.
- The closed constant pressure foaming barrel has high heating efficiency. It can save more than 50% energy compared to the continuous pre-expander. The foamed beads are uniform, and its aging time is shorter compared to other normal machine.
- This machine applies large volume fluidized bed dryer. It can automatically dry, filter, crush the ball material and transport the foamed material to aging silos.
- This machine applies automatic high pressure suction material charging system and automatic high pressure fan facility discharging system, which shorten the materials charging and discharging time, improve the production efficiency.
- Most of the main component are of world-famous brand, with reliable performance, stable quality, long service life and low maintenance cost.
- The computer has memory function, which can record all information such as brands, specifications, expanding foam techniques and parameters of EPS material manufacturers. When customers want to use the materials that ever been used before just press the touch screen of computer to quickly go back to the original technique.
- The electronic weighing system device is assembled on the top of the machine frame, the structure of the machine is compact, it occupies smaller space.
- This machine is applicable in plateau oxygen depletion area, the production efficiency of continuous pre-expander machine is quite low under such circumstance.

TECHNICAL DATA:

ITEM		LWP1500 I II	LWP1600 I II
Expansion Chamber	Diameter	DN1560	DN1660
	Volume	4.3m ³	4.8m ³
	Usable Volume	3.5m ³	4m ³
Steam	Entry	DN50	DN50
	Consumption	8-10kg/cycle	11-14kg/cycle
	Pressure	0.4-0.8Mpa	0.4-0.8Mpa
Compressed Air	Entry	DN50	DN50
	Consumption	0.6-0.9m ³ /cycle	0.7-1.0m ³ /cycle
	Pressure	0.4-0.8Mpa	0.4-0.8Mpa
Drainage	Upper Drain Port	DN125	DN125
	Down Drain Port	DN100	DN100
Material Conveying Pipe		DN200	DN200
Capacity	4.5g/l	320kg/h	4.5g/l 360kg/h
	7g/l	420kg/h	7g/l 480kg/h
	9g/l	500kg/h	9g/l 560kg/h
	15g/l	800kg/h	15g/l 900kg/h
	30g/l	1300kg/h	30g/l 1400kg/h
Connected Load/Power		23KW	23KW
Expanded Density		4.5-35kg/m ³	4.5-35kg/m ³
Density Tolerance		< $\pm 3\%$	< $\pm 3\%$
Overall Dimension		8000x3500x5500(mm)	9000x3500x5500(mm)
Weight		4700kg	4800kg