

## **Introduction of production line (machine)**

Compound heat preserving lightweight wall panel adopts the new high technology which is imported from South Korea. This kind of machine is produced with the policy of lower investment but high profit. The production line is made up of 6 machines which are all produced by us, that is, **JQ 750 lightweight aggregate forcing mixer, ZP120 steep making machine, container for infusing slurry, air compressor, hydraulic molding machine, moving automatic stacker (including track, automatic mold-disengaging system).**

It includes four systems: **Mixer System, Slurry-infusing System, Molding System, and Automatic Mold-disengaging System.**

### **Mixer System**

It includes two parts: JQ 750 Lightweight aggregate forcing mixer and ZP 120 steep making machine.

### **Slurry-infusing System**

It includes two parts: pressure vessel and compression of air.

### **Molding System**

This molding system use hydraulic pressure as motivate, it has specialty of reasonable structure, easy operation, high productivity, beautiful outlook; the machine is leading the way in this field in China.

### **Automatic Mold-disengaging System**

This automatic mold-off system adopts electric lateral molding and automatic stacking, equipped with moving platform.

## **Process of producing:**

Material batching                      mixing                      slurry infusing                      forming                      automatic  
mold-disengaging and stacking                      finished product

## **Introduction of product (wall panel )**

**1.** Compound lightweight heat preserving wall panel (with NTK board), a kind of high quality wall material, is widely used in developed countries. The compound lightweight wall panel is firmly combined by high composition enhanced fiber cement face board and lightweight aggregate concrete core body. Compared by other wall materials, it has performance such as solid, lightweight, laminose, high strength, impact-resistant, high perch up strength, adiabatic, sound insulation, fireproof, waterproof and easy cutting; it also has other incomparable advantage: it can be notched arbitrarily, and also protects the environment. We can enhance the work efficiency of construction by using this wall panel instead of the traditional construction materials. Moreover, it also helps to reduce the occupied area of wall and increase residential room at the same time, to reduce the load of the house structure, to enhance the aseismatic capacity and safety performance, to reduce the cost. It is widely used as the non-load-bearing inside wall of buildings. It is a new breakthrough of the innovation of wall material.