

New upgrading to the shape moulding machine of our customer in Anhui,China ---January 2020



Cause: Anhui customer want to upgrade their factory as the energy consumption is huge with the common shape moulding machine.





Solution: Upgrading to ST QDCS machine(Quick die change system) which cost only 20-30 minutes to change the mould.





Details: Steaming consumption has been reduced from 15 tons to 6 tons now(1 ton raw material consumption)



- The factory uses 60 tons of raw material every month.
- Let's see how much the steam cost each month:
- Before: $15 * 60 * \$36/\text{ton} = \$32,400/\text{month}$
- Now: $6 * 60 * \$36/\text{ton} = \$12960/\text{month}$
- After upgrading, just the steam cost can save \$19440 each month.

- **Cycle time**

has been reduced from 80s to 44s now.(Still have space to improve)

Customer is very satisfied with our QDCS.

Please contact us if you want to learn more about how to lower production costs!





Steam System --- Low Pressure And Big Flow

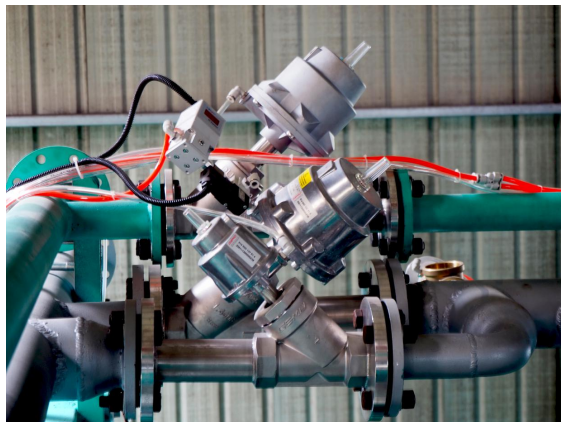
• Smart Steam Control

ST machines equip Single valve locator & digital proportional control.

Adequate steam can be supplied in a short period of time reducing the cycle time and steam consumption. Which provides excellent production condition.



Shape With High Temperature And Low Pressure



- Using multi-pipes, One with LVDT relied to the chamber. To have a more flexible control over the steam pressure
- Sintering begins at 90°C and complete shaping will be achieved at 115°C. Forming pressure only 3-3.5 bar.



Latest Technology --- For Best Quality Products



- Shape Moulding Machines and Aluminum Moulds are the major processor of Shape Moulding Plants.

- We engineered all machines our by latest technology for best quality products and also our all equipment are fully automated and shape moulding machines have individual vacuum pumps.





Latest Technology --- For Best Quality Products

Shaped EPS articles can produce by shape moulding machines with allow aluminum moulds and There are some varieties of products by this method as follows:

- ① Insulation Board Panel with grave and edge
- ② Shaped Hordies
- ③ Decorative articles (Ceiling rose, Ceiling Tile)
- ④ Cushioning packaging arcles for industrial goods
- ⑤ Fish and cool boxes
- ⑥ Fruit and vegetable boxes
- ⑦ Frozen food and ice cream boxes
- ⑧ ICF Insulated concrete forms elements
- ⑨ EPS inserts for bricket

