

# Super HIGH SPEED SERIES

218 TON to 480 TON



Mfg. of  
**Plastic Injection  
Moulding Machines**

SPECIALIST IN PLASTIC STARTUP PROJECTS

## AUXILIARY EQUIPMENT





## Single cylinder high speed machine (Electric Feeding System)



### Some industry application cases



Civil household

Product: Flowerpot  
Raw Material: PP  
Machine Model: 390DHS  
Cavity: 2  
Cycle time: 9s



Food Industry

Product: Thin walled food containers  
Raw Material: PP  
Machine Model: ESM 390 TDHS  
Cavities: Bottom - 4 cavities, Cover - 6 cavities  
Cycle time: 5.1s



Medical industry

Product: Syringe  
Raw Material: PP  
Machine Model: ESM 390DHS  
Cavity: 48  
Cycle time: 18s



Food Industry

Product: Disposable knife, fork and spoon  
Raw Material: PP  
Machine Model: ESM 390DHS  
Cavities: 32  
Cycle time: 8s

• patent name:a Return Drive structure of injection molding machine cylinder

• Patent number:ZL 2014 1 0079858.6

• Patent name:a Oil leakage prevention structure of injection molding machine

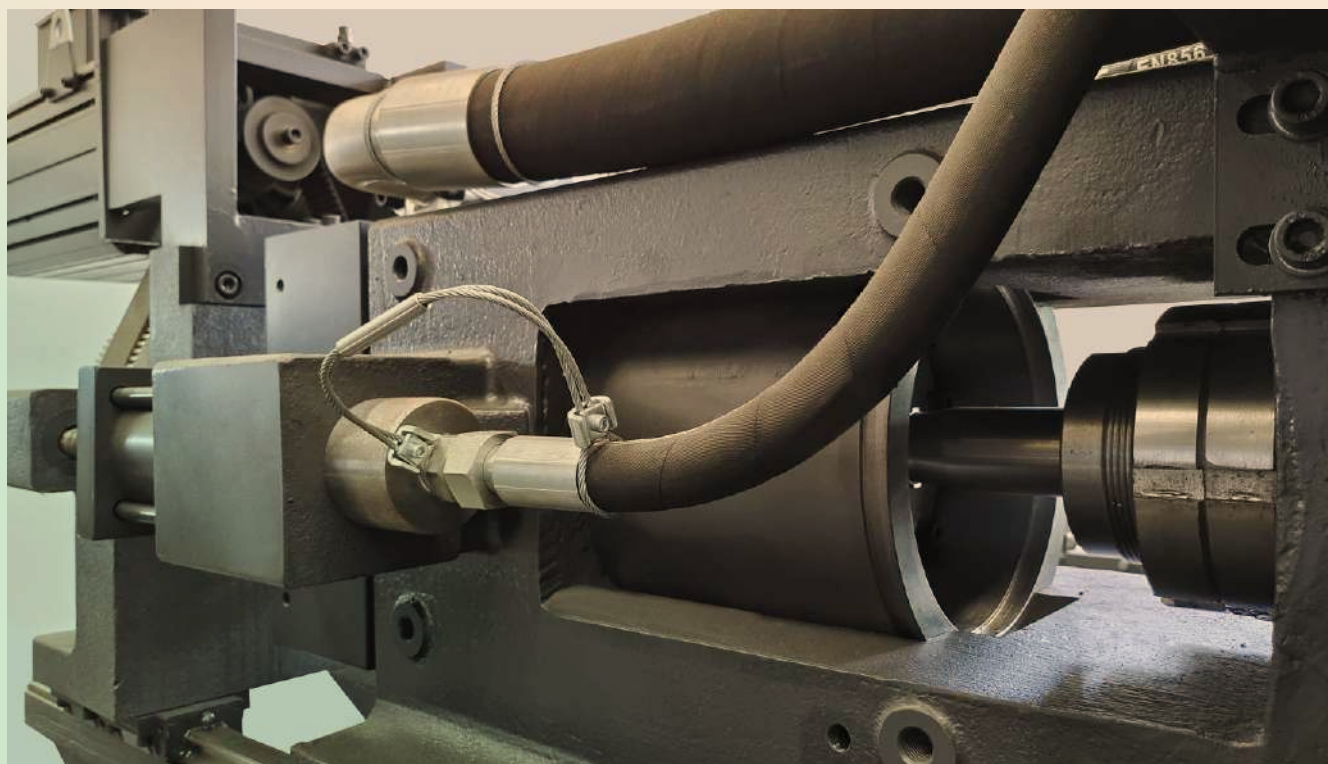
• Patent number:ZL 2014 1 0081089.9



## INJECTION SYSTEM

### Single Cylinder Injection

- Our patented single cylinder injection structure not only solved the oil leakage problem of other single cylinder structure in the market, but also improved injection accuracy and synchronization.

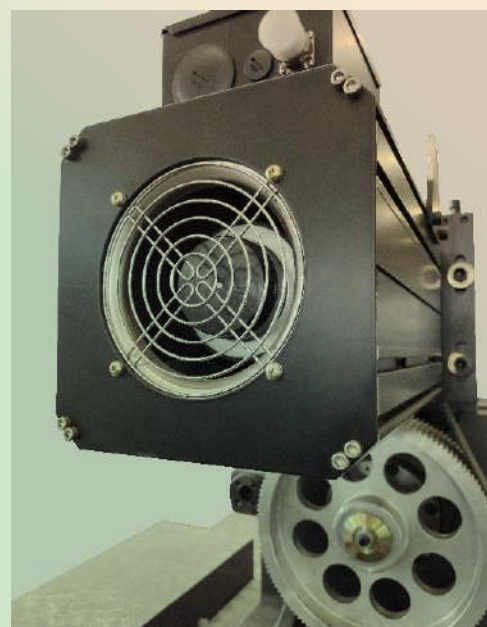


### Electric Feeding System

- Adopting energy-saving servo motor electric feeding system to achieve material feeding while mold opening, which can shorter the recycle time and save energy efficiently.

### Nano Heater

- Increasing temperature quickly, better heater preservation and more energy saving.



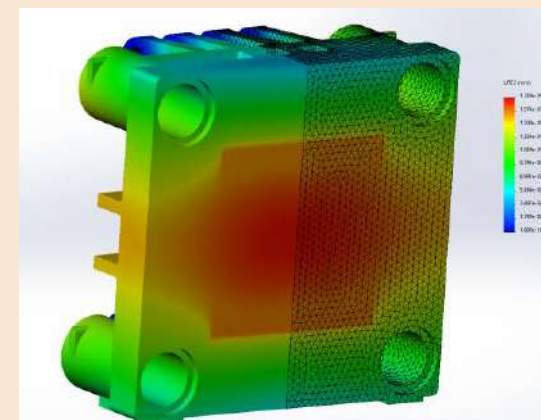
## CLAMPING SYSTEM

### Mechanic Movement Parameter

- Soft curve design ensures the movement more smoothly.

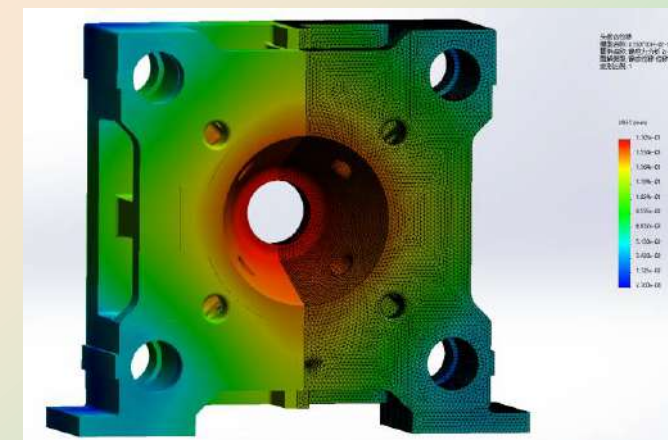
### Special Designed Plate For High Speed Machine

- With finite element technical analysis, the deformation coefficient is reduced by more than 20%, and the stress is reduced by about 30%, which is more suitable for thin-walled products.



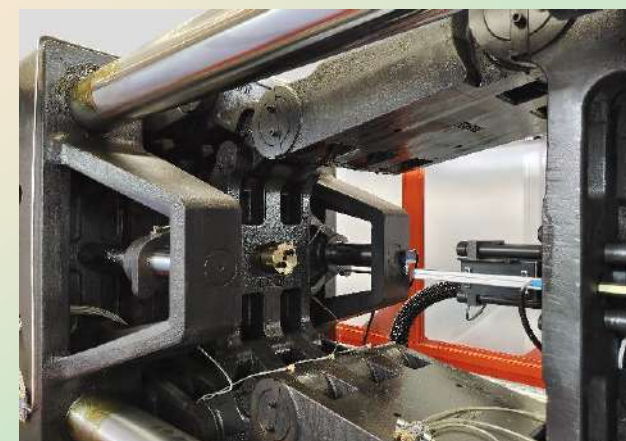
### Tie Bar

- Special designed high speed tie bar is very suitable for high frequency clamping, which has much longer life time.



### Pin

- The special designed pin can greatly reduces the stress of the pin.



### Self Lubrication Steel Sleeve & Cubber Sleeve

- Self lubrication design can make sure the lubrication function under high frequency mold clamping.



### Enlarged Tie Bar Space

- With more space to put molds, which provides wider application of products.





## HYDRAULIC SYSTEM

### Oil circuit system

- Special designed hydraulic circuit system can make the mold opening and clamping more stable and quickly.



## ELECTRONIC CONTROL SYSTEM

### Controller

- TECHMATION computer specially for high speed machine has more fast response and control more precisely.

### Element Component

- Adopting international famous brand element component, which has more stable performance.

**\*\*Note:** The technical specifications can be changed without prior notice.

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