



WECHAT



WEB



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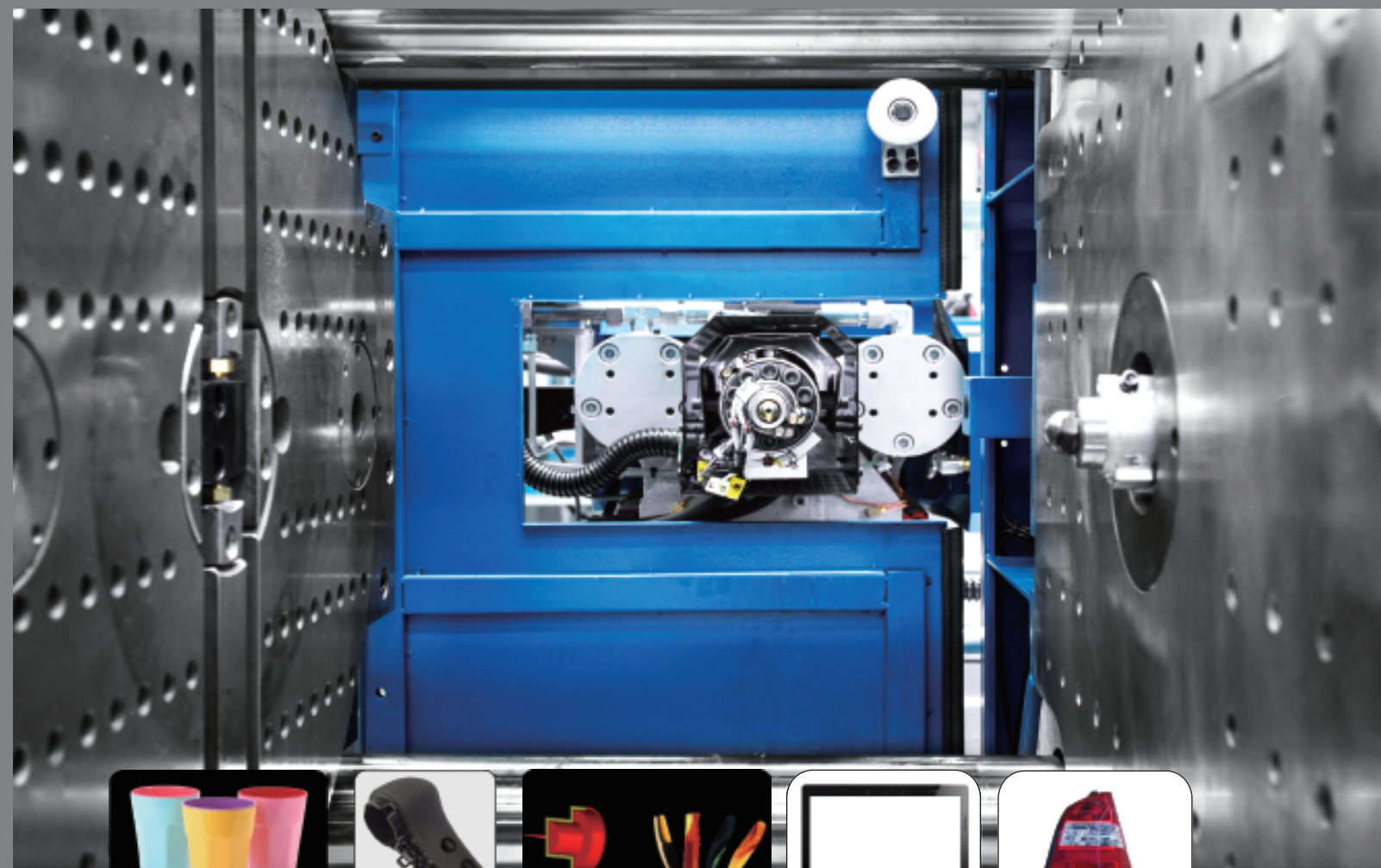
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DD-MM

D-MMc

Dream series multi components injection molding machine



TE2016.04-DD-MM/D-MMc03-HZ

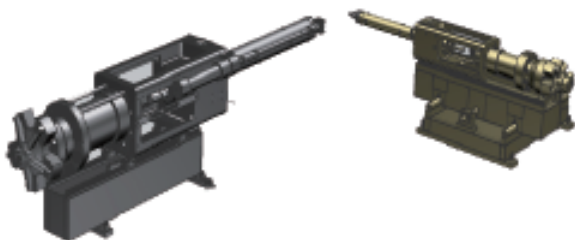
TEDERIC & UNION MUTI-COLOR INJECTION MOLDING MACHINE DEPT.

Product Platform

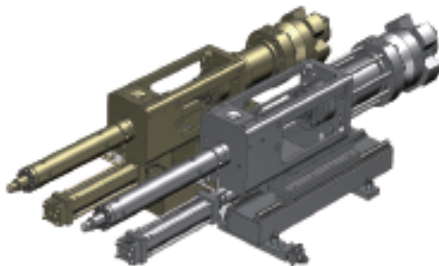
D**D**: **D**-Dream/D-Multi-colors injection molding machine with rotation platen

Prime code of injection unit

L:Right angle type injection units

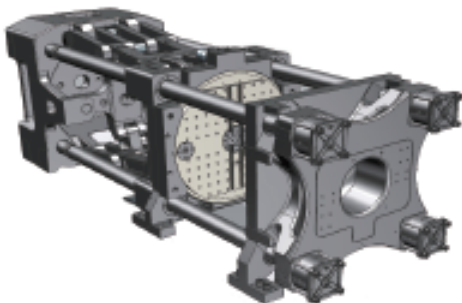


p:Parellel type injection units

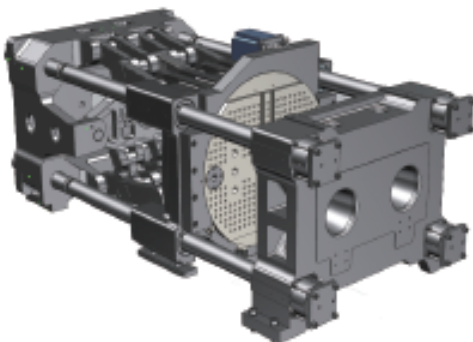


Prime code of Clamping unit

n:Narrow platen clamping unit

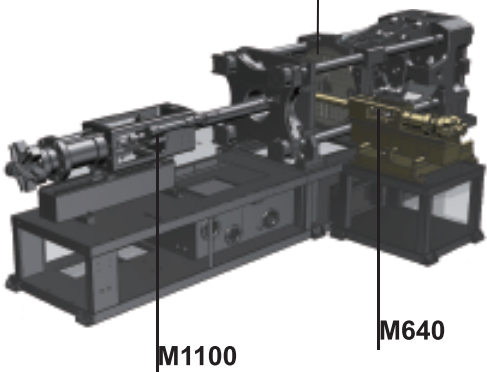


b:Broadened platen clamping unit



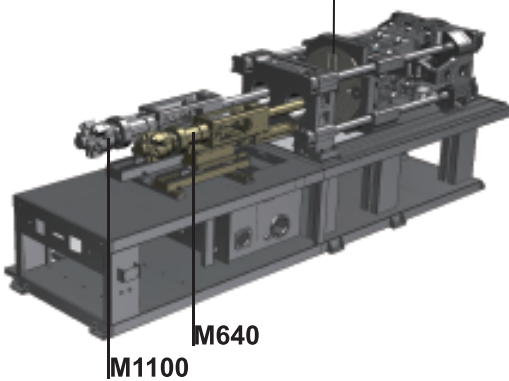
D250Dn/M1100M640L

n:Narrow platen



D250Db/M1100M640p

b:Broadened platen

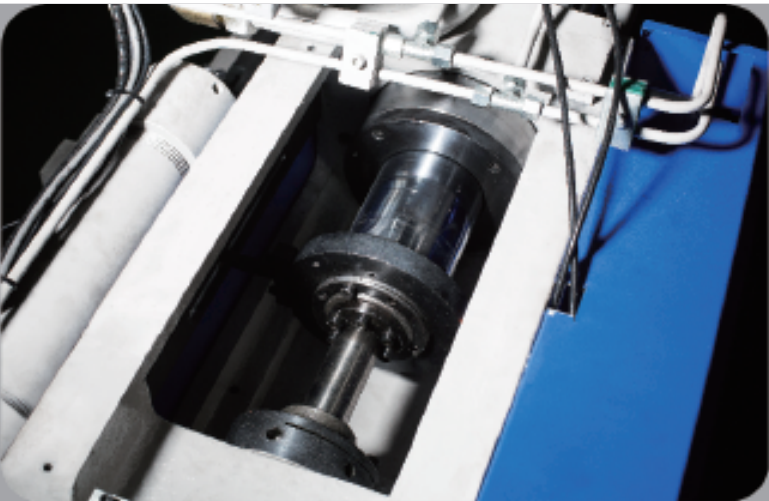


D**D**-MM multi-colors (clear) series

Consist of two separate single cylinder injection units

Injection unit can be placed in parallel or right angle or bevel lines, offering more flexible choices of structures

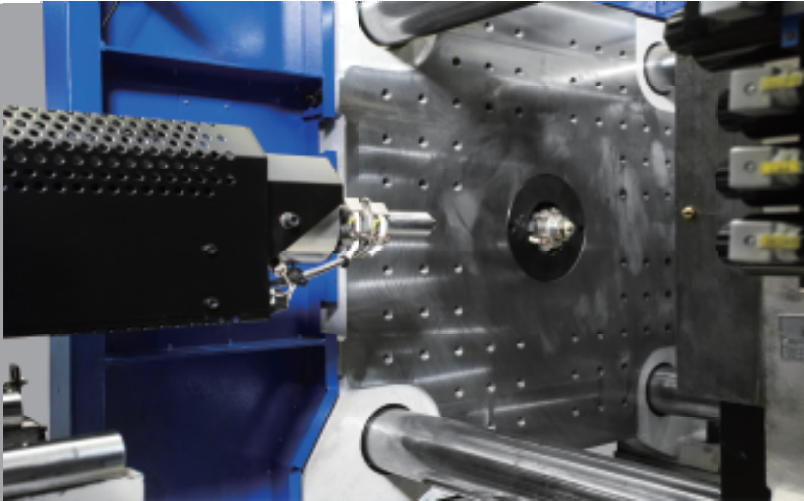




Professional:

12 years experience in manufacturing single cylinder for injection

The third generation of single injection unit technology

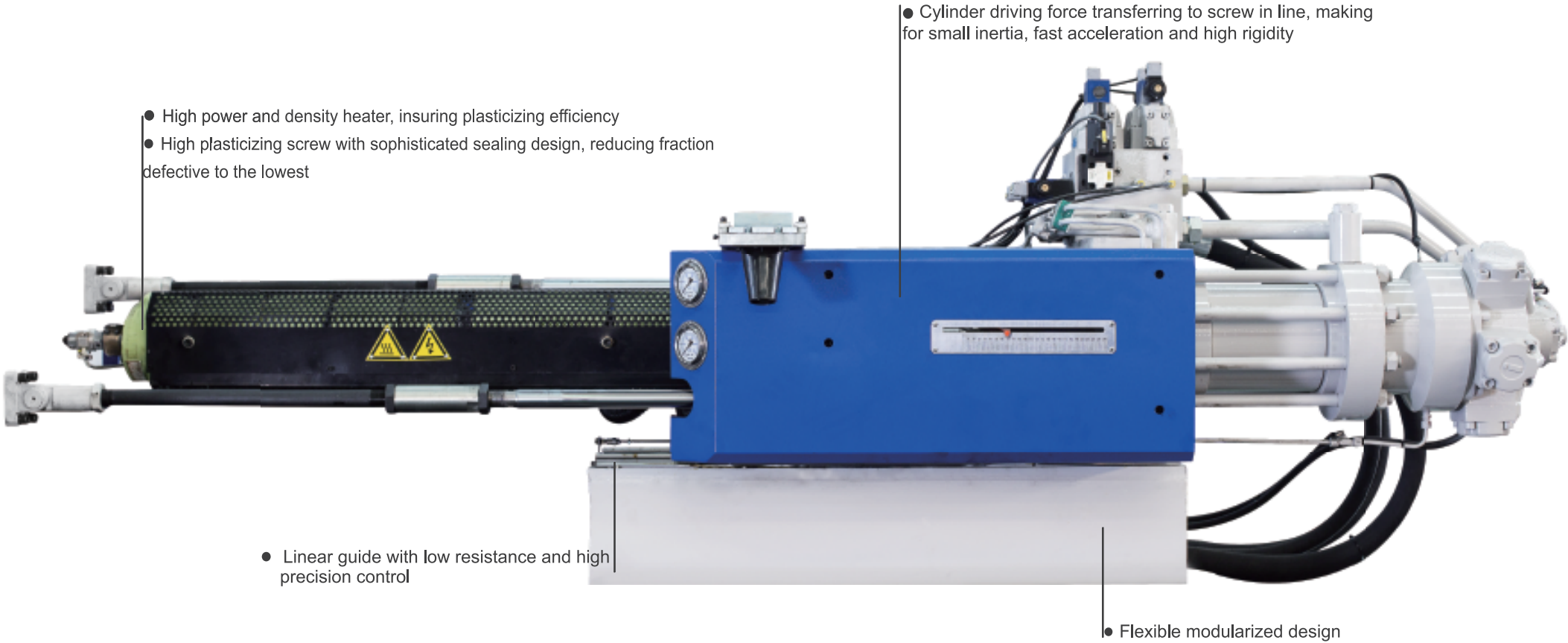


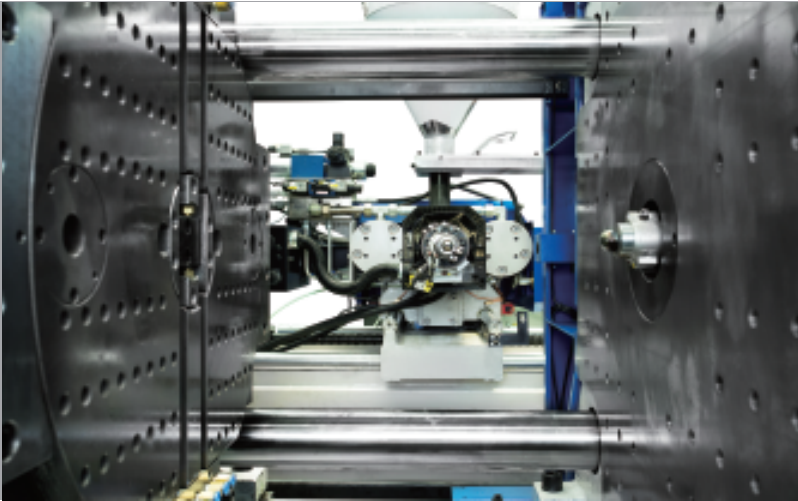
● Two sets of single-cylinder injection systems are independently arranged, and can be customized according to various demands



Injection Unit

- M:Injection unit with single injection cylinder and reciprocating screw
- Linear guider with low resistance and high precision control
- Modularized design, optional geminated injection units
- Right angle type or parallel type or Bevel type is optional, suitable for different produce requirement of various products

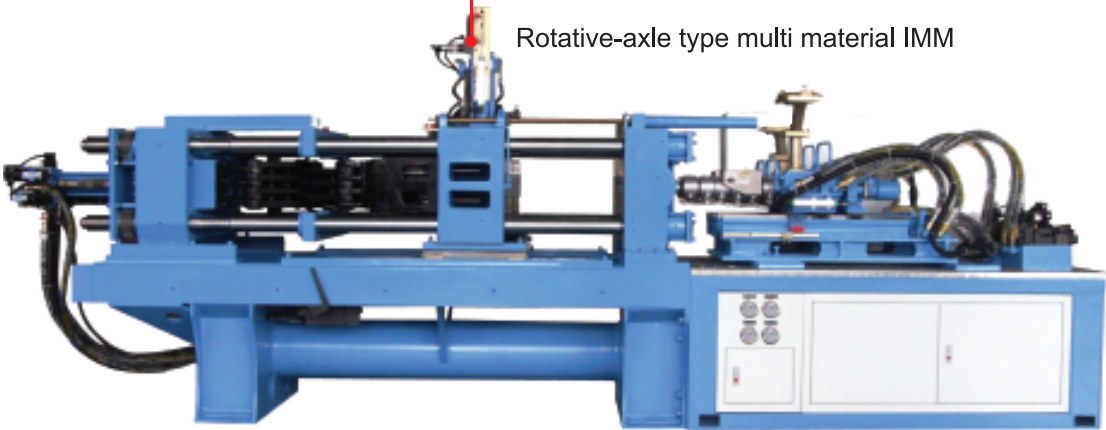




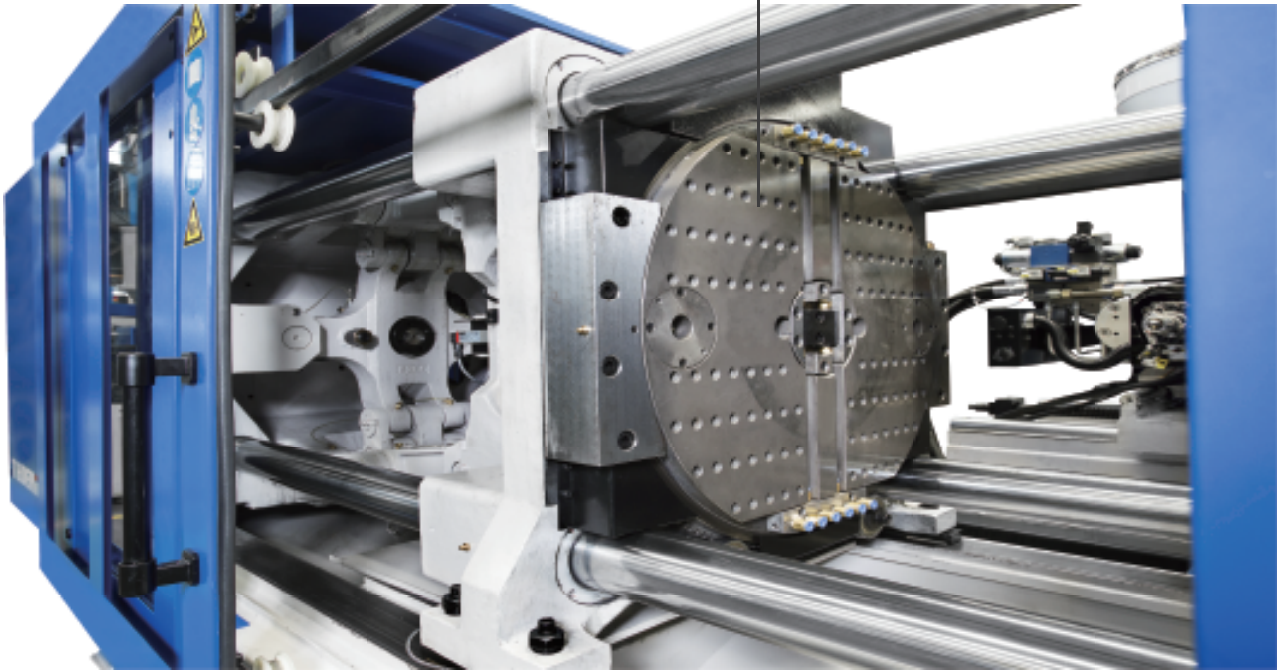
Push-pull servo rotary cushion structure provides fast and stable operation (Taiwan patent No. M261362 China patent No. ZL200420089815.3)

Clamping Unit

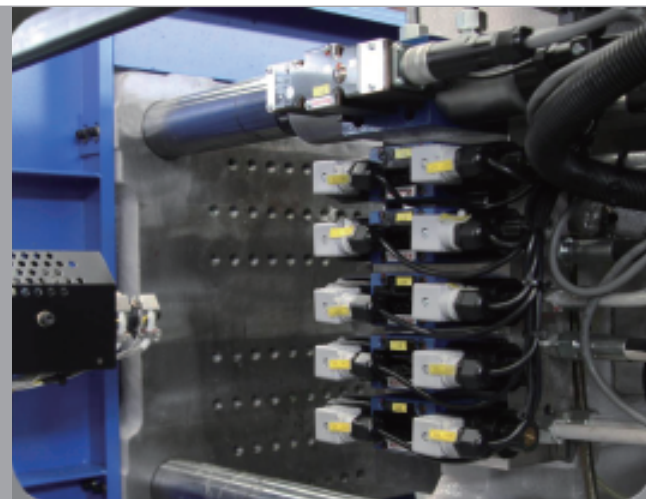
- Bevel double toggle in-roll clamping structure
- Bevel angle design, high rigidity and appropriate opening force, running with stability
- Optional clamping unit with broadened or narrow platen, suitable for various mould dimension
- Deployed with specialized rotation platen, diameter from 650mm to 2200mm with 180° rotation capability
- Rotation platen driven by hydraulic or servo motor as option
- Patented rotary platen with winding degree adjustment device. (China patent No. ZL200810063686.3 Taiwan patent No. I341784)
- Able to bear heavier mould. (Multi-colors rotary structure, Patent No. ZL200810162480.6)
- Patented suspension bearing able to increase loading capacity of rotary platen (Hydraulic bearing patent No. I339707)



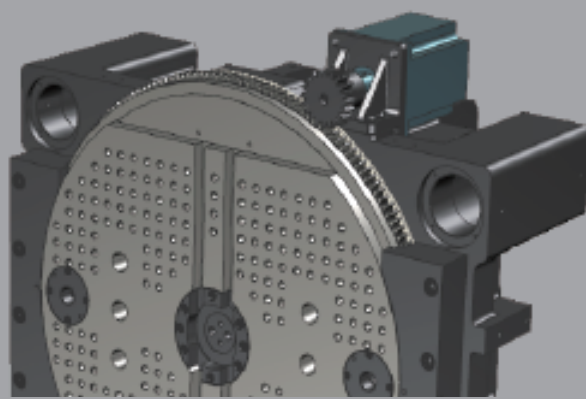
Rotative-axle type multi material IMM



Rotation platen



- Applied with servo motor, proportional valve,etc.



- High-performance controller,easily to obtain the data

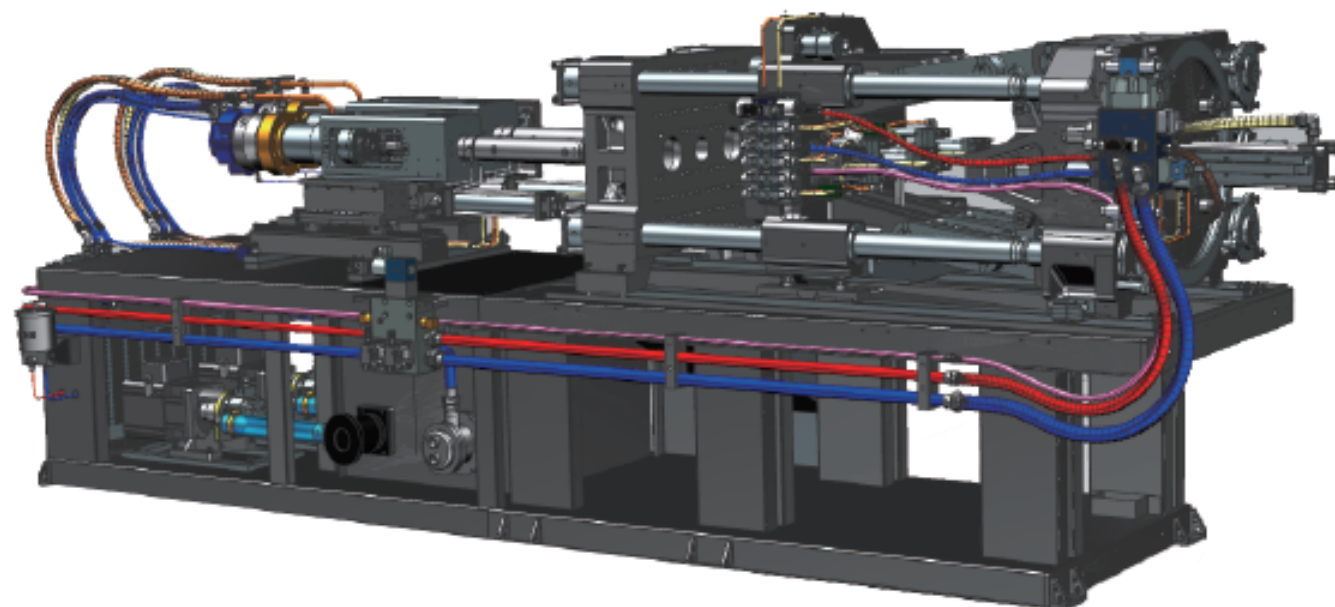
Hydraulic Unit

Equipped with two sets of independent servo-hydraulic power system, maximizing the utilization of sync operation function, efficient, stable and precise

Applied with servo motor, proportional valve,etc., rotation with rapidity and stability

Rotation platen equipped with cooling water connector, avoiding the water pipe twist

Qualified for GB22530 and EN201 safety standard



- Hydraulic routes with the fewest bents, welding and shortest route

Electrical Unit

Hermetic electrical cabinet

High performance controller and components from world famous supplies

Automatic detection on operation status,Fault alarm with detailed instruction, reliable protective system for both machine and mould

Professional multi-components control procedures, appropriate for all kinds of multi-colors & components molding process



- Hermetic electrical cabinet with nearly arranged components, with dust-proof and anti-static interference function

Components & Functions List --- For Other Functions

Function Description	D130D-D350D	DH850D-DH1200D	DH1700D-DH2100D
TEDERIC standard color	●	●	●
Shock-proof pad	●	●	○
Foundation steel plate, Foundation anchor bolts		○	●
Spare parts box, tools, mould clamps, easy broken parts, extended nozzle, operation manual	●	●	●
Special color	○	○	○
Higher machine frame	○	○	○
Robot	○	○	○
Magnetic (for hopper dryer)	○	○	○
Chiller	○	○	○
Mould temp controller	○	○	○
Dehumidifier	○	○	○
Autoloader	○	○	○
Fumigate wooden packaging	○	○	○
With full-tank hydraulic oil	○	○	○
Products fetching platform		○	●

● Standard ○ Optional

Dd-MM Series Application



MIX COLOR MACHINE FEATURE

Multi-colors (marble) injection molding is a processing requires special injection molding technology.

Operation method:

Adding a set of combined nozzle and barrel,

In process of injection it will be able to inject two kinds of material into the mould at the same time or intervals

The features of marble multi-colors compared to traditional injection molding:

- Able to inject two different colors of material and mix them into a new colored product.
- Able to control the injection speed and injection weight of the two colored materials to meet the color mixing requirement of the product.
- Able to inject two kinds of co lored material at intervals according to the requirement so as to produce the products in distinct colored layers.
- This model can also produce single colored products. Multi-use for diversified functions and all-around service.

It has become an important subject that how o produce products with high additional value and lower the cost in order to survive and develop for the plastic manufacturers under pressure from tough competition.

Plastic processing plants in the fierce market competition, how to produce high value-added products and reduce costs in order to maintain the survival and development of manufacturers has become an important issue.

- Two sets of proportional control valves control the injection pressure and speed .
- Two groups of injection unit and clamping molds are used in linear potentiometers can accurately control mold close ,open and injection stroke, accuracy can be up to 0.1mm.
- Using PID temperature control, having a screw cooling start limit, break detection and other functions, and to control the temperature at $\pm 1^{\circ}\text{C}$
- Microcomputer control has a memory function and four stages injection, 3 stages holding pressure and 3 stages back pressure

Multi-colors series aplication



A multi-component injection molding machine (two tri-color mode)
All the injection units horizontally arrange , center distance 710, with movable shooting position

A multi-component injection molding machine (two tri-color mode)
Two injection units horizontally arranged, carrying the upper side and the non-operated side.
Center distance 710



Multicomponent injection molding machines (three tri-color mode)
Tri-mode, 360 degree rotation

Dual color injection molding machines, (piggyback up and down)
The vertical injection center distance 150-300; rotated platen, center supporting mold.



