



TEDERIC

DH-MM DD-MM D-MMc

Dream series multi components injection molding machine



WECHAT



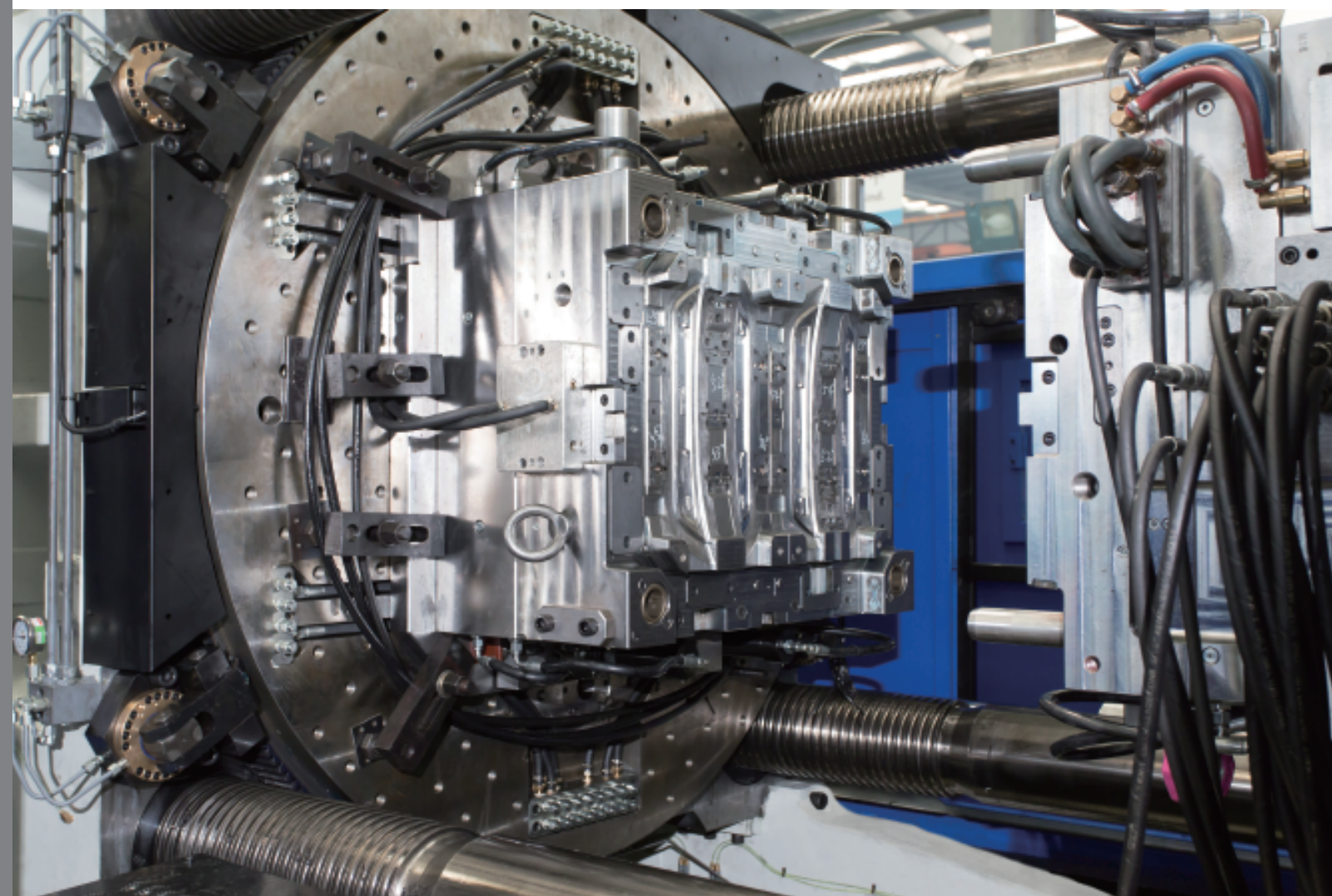
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TEDERIC

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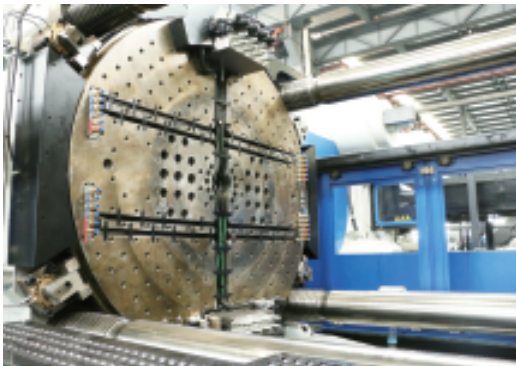
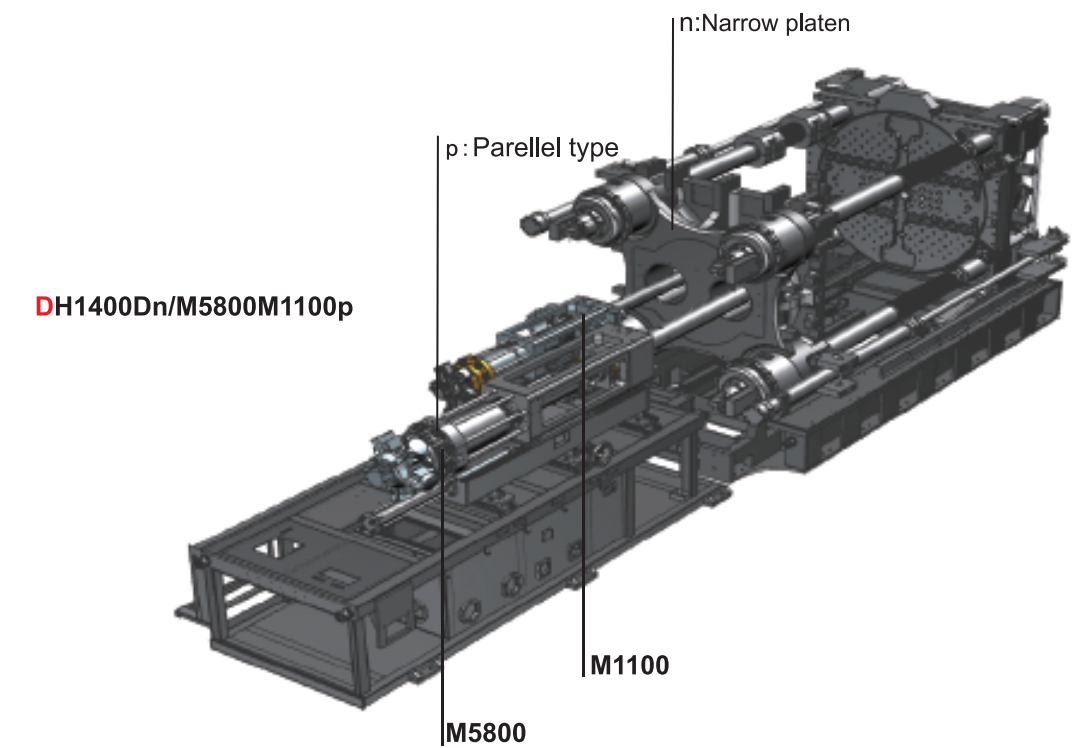
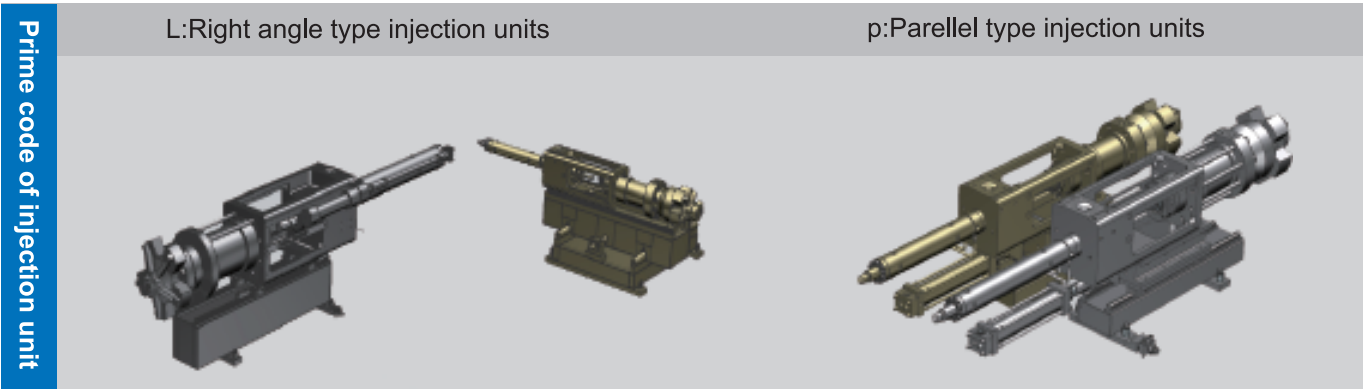


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TEDERIC MACHINERY CO.,LTD.

Two-platen with rotary table two components IMM

D:Dream Series/H:Two-platen/D:Multi-colors IMM with rotation platen



multi-color machine is with big rotating platen

The large multi-color machine, is with clamping force to 1920 tons;
With huge mold capacity;
The rotating platens are endurable in load-bearing and steady in running;
Customized design, multi-function;
The largest Diameter of rotation platen is 2200mm.

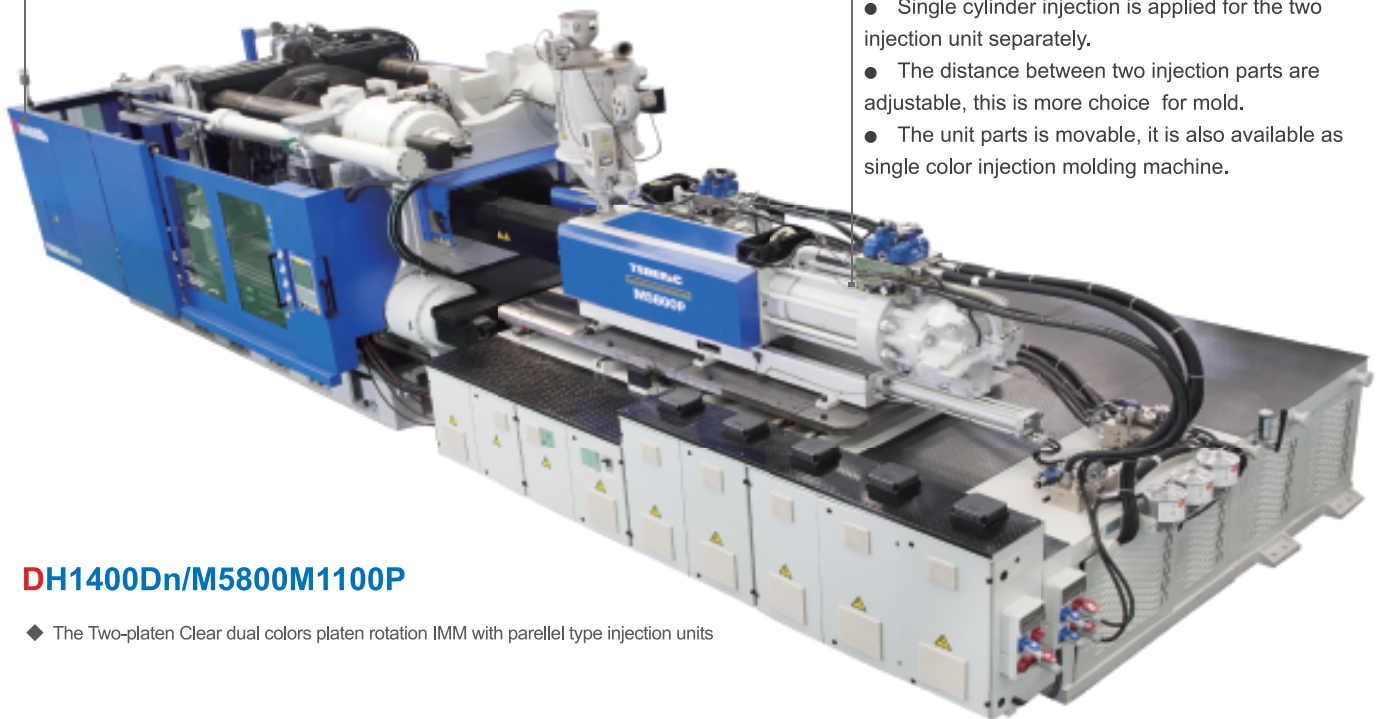
Machine feature:

- The rotating platen is driven by servo motor and with proportional control;
- Limiting the rotating platen by using hydraulic mold clamp, the rotating platen is held before mold opening, rotating platen is without leaning;
- The rotating platen is with static pressure support , it ensures to load heavier mold and run smoothly;
- Customized multi-core pulling and cooling water connection;
- The strengthening rotary shaft support structure, effective control of rotary roll;
- Drum- type layout for rotary shaft oil and water - clean;
- Varied function for core pulling and air blaster ;



Injection feature:

- Single cylinder injection is applied for the two injection unit separately.
- The distance between two injection parts are adjustable, this is more choice for mold.
- The unit parts is movable, it is also available as single color injection molding machine.

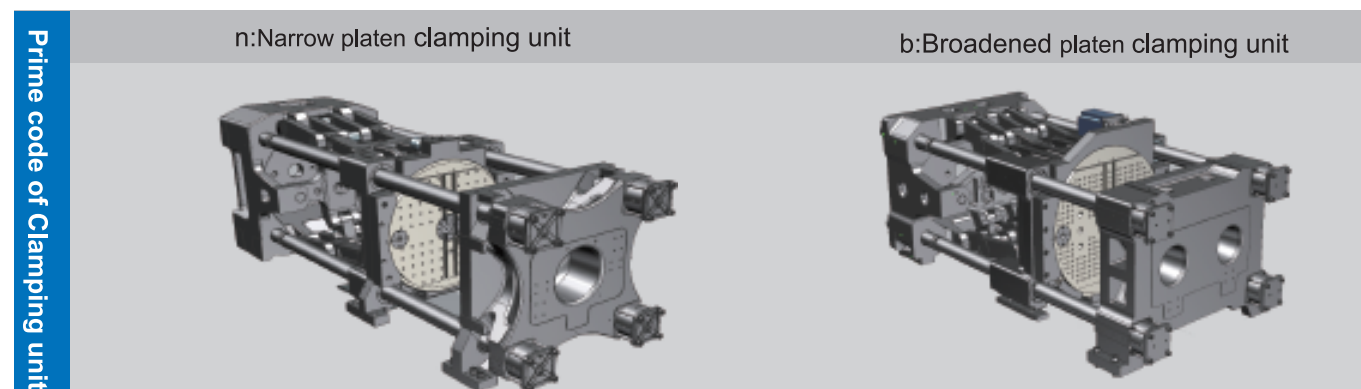
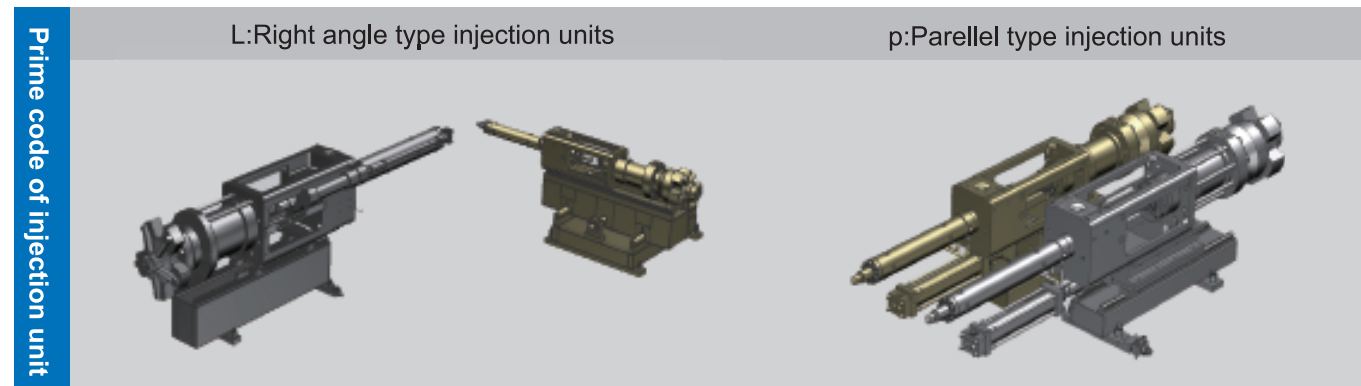


DH1400Dn/M5800M1100P

◆ The Two-platen Clear dual colors platen rotation IMM with parellel type injection units

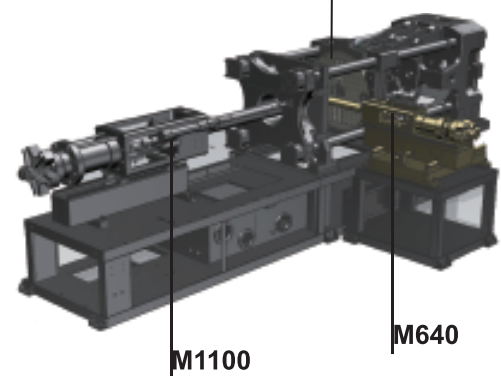
Product Platform

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



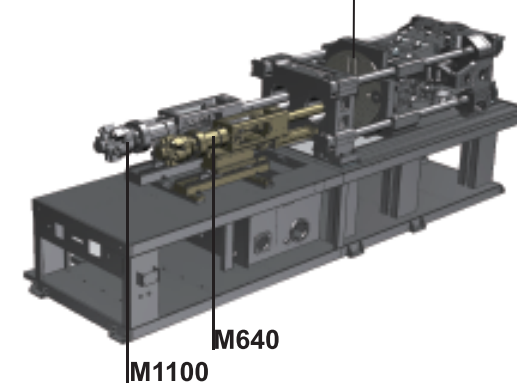
D250Dn/M1100M640L

n: Narrow platen



D250Db/M1100M640p

b: Broadened platen

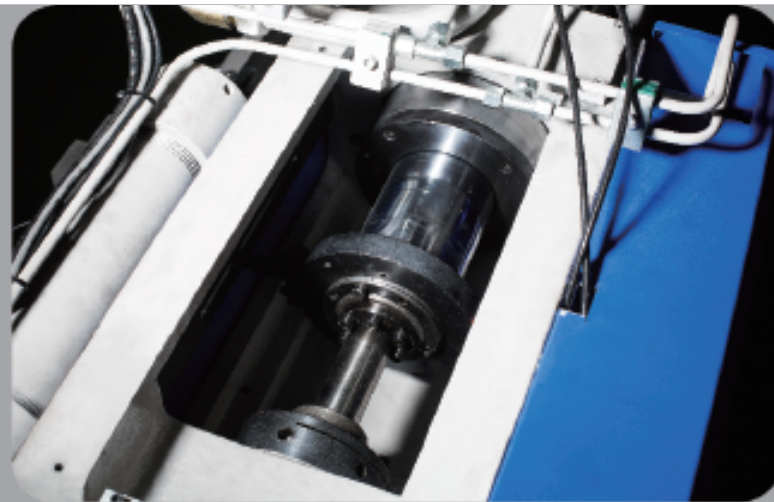


DD-MM multi-colors (clear) series

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

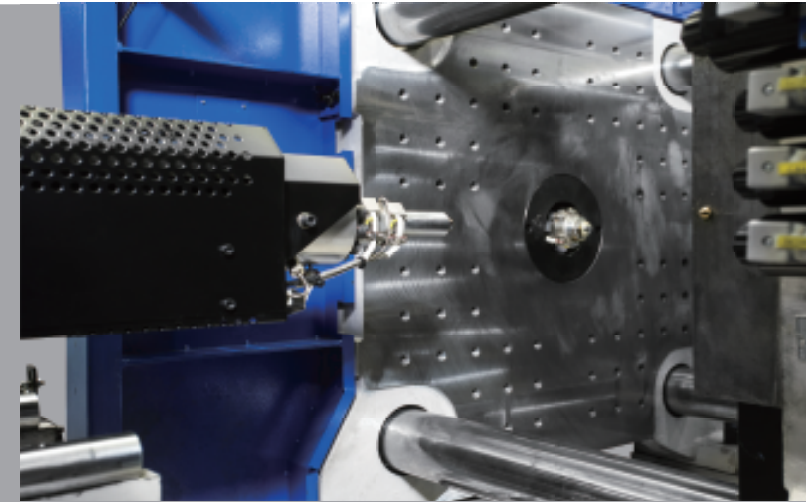




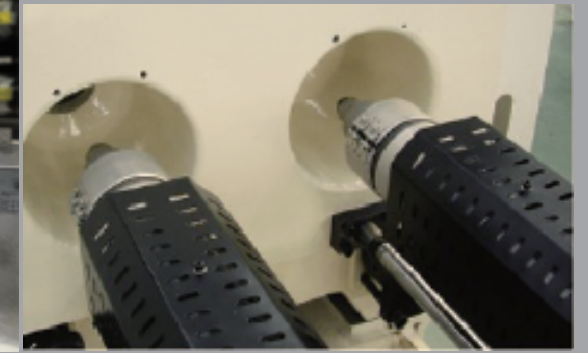
Professional:

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



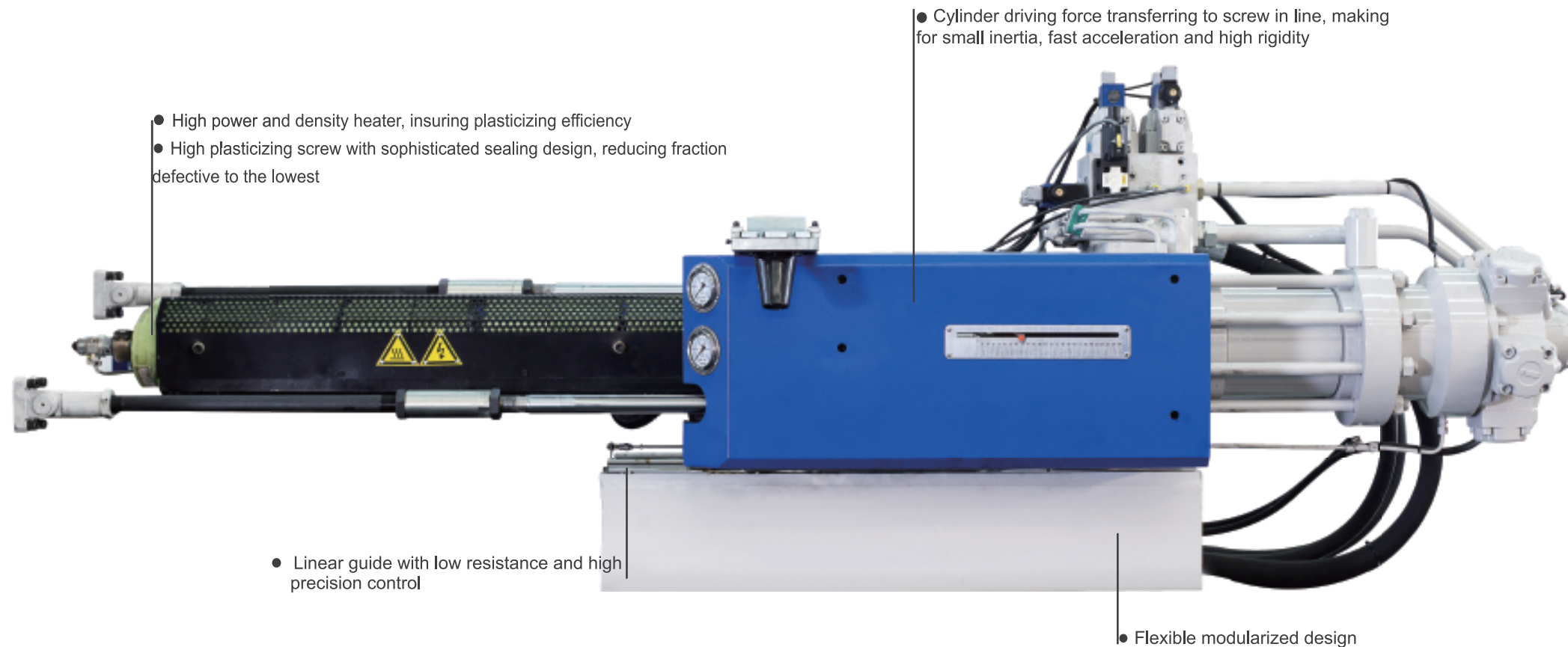
Injection Unit

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

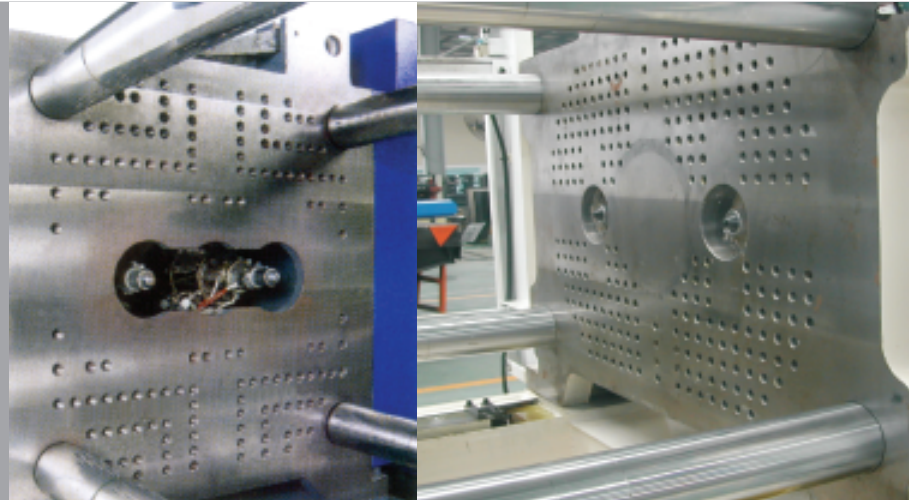


- High power and density heater, insuring plasticizing efficiency
- High plasticizing screw with sophisticated sealing design, reducing fraction defective to the lowest

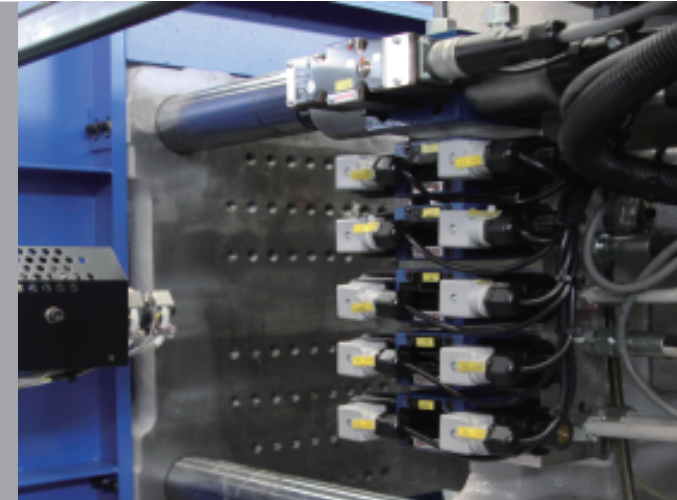
- Cylinder driving force transferring to screw in line, making for small inertia, fast acceleration and high rigidity

- Linear guide with low resistance and high precision control

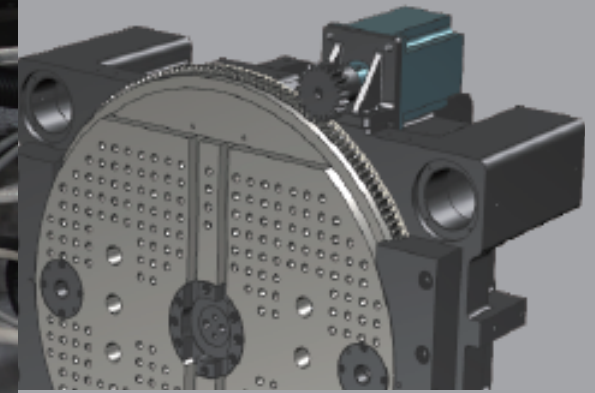
- Flexible modularized design



- Optional clamping unit with broadened or narrow platen, suitable for various mould dimension



- Applied with servo motor, proportional valve, etc.

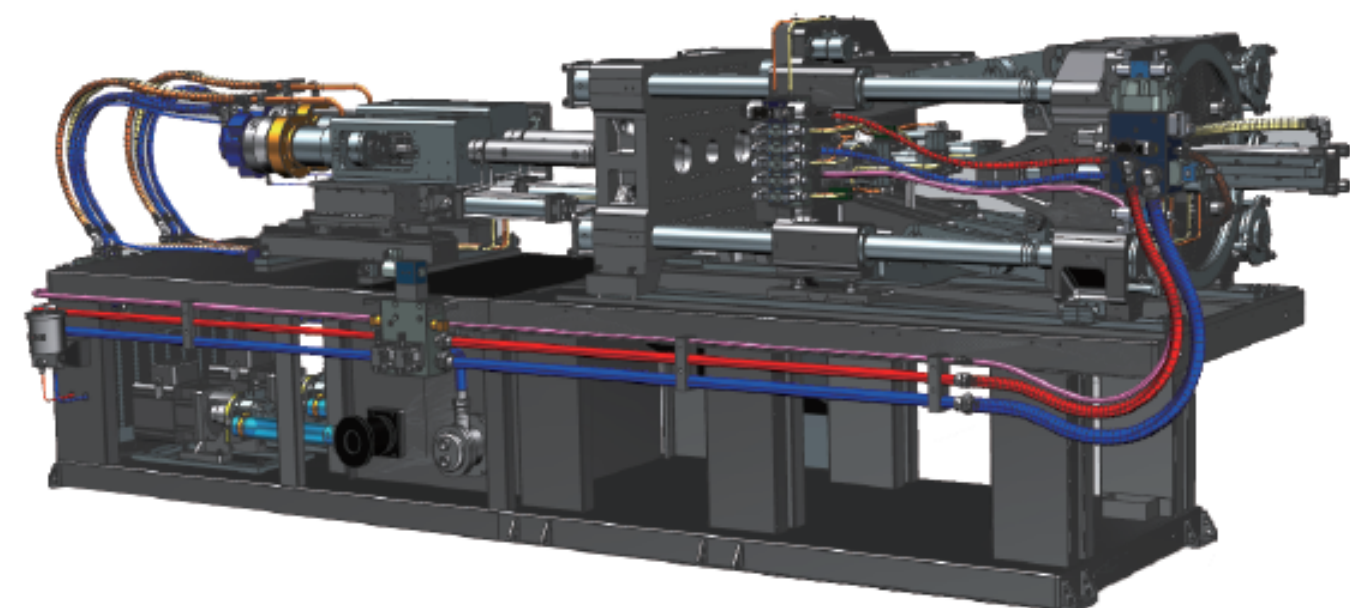
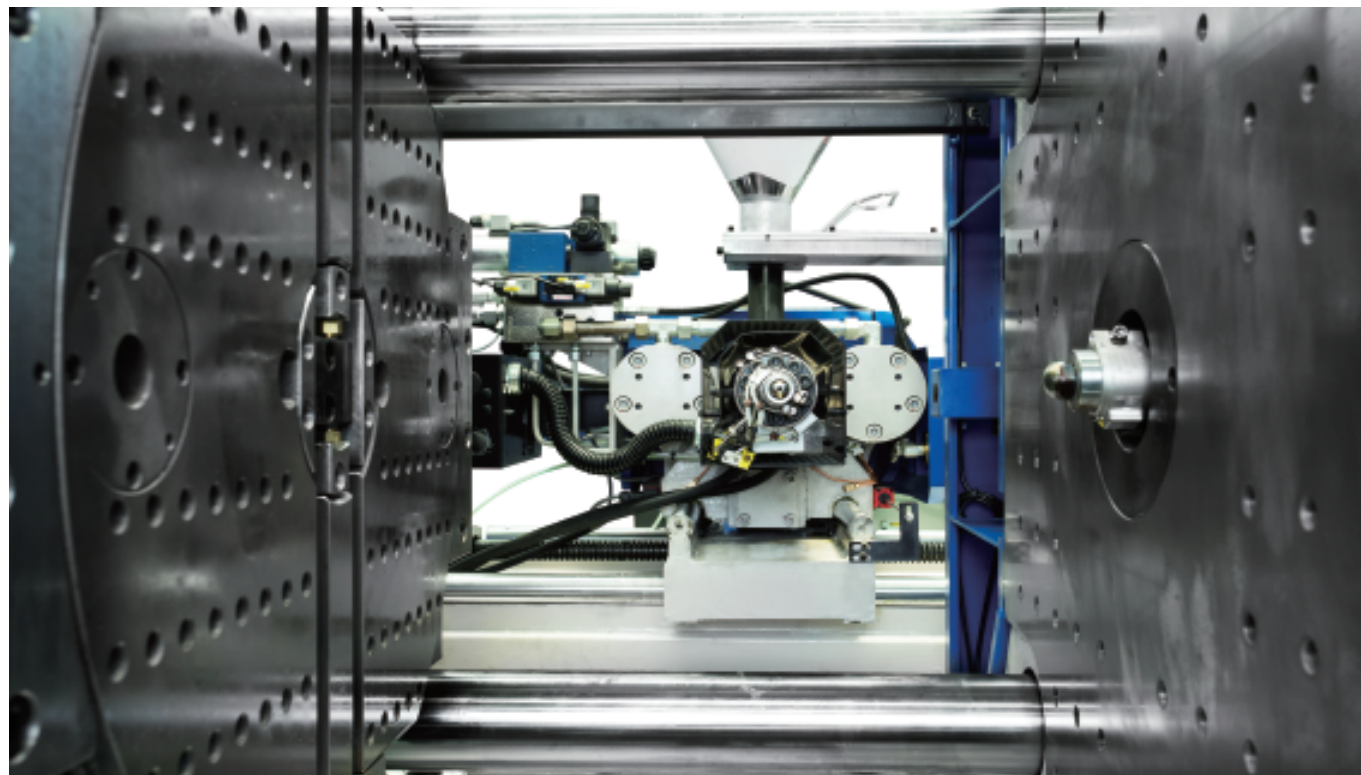


Clamping Unit

- 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

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



Application

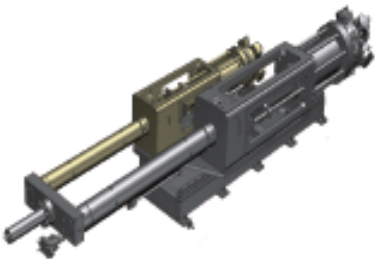
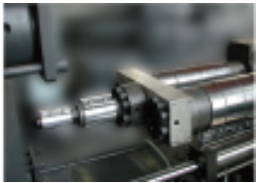


DD-MM Series configuration of clamping unit and injection unit

Clamping unit /Injection unit	First injection Unit										Second injection Unit						
	M150	M210	M370	M520	M640	M840	M1100	M1500	M1900	M2500	M3200	M150	M210	M370	M520	M640	M840
D120																	
D170																	
D210																	
D280																	
D390																	
D530																	
D810																	

Multi-colors (marble) series

Include with marble injection and sandwich injection
Consist of two separate single cylinder injection units
Unique barrel and the nozzle design
Meet different demand for marble effect design and sandwich injection



Application



D160/M640M370c
c:multi-colors injection unit(marble)



D-MMc Series configuration of clamping unit and injection unit

Clamping unit /Injection unit	M150c	M210c	M370c	M520c	M640c	M840c	M1100c	M1500c	M1900c	M2500c	M3200c	M3700c	M4800c	M5800c
D80														
D100														
D130														
D160														
D200														
D250														
D300														
D350														
D400														
D450														
D500														
D600														
D650														
D700														
D800														
D900														
D1050														
D1250														

BMW door interior trim part

Machine model	DH1400Dn/M5800M1100P
Clamping force	14000KN
Space between tie bar	1380MMX1280MM
Screw diamete	90MM/55MM
Rotation platen diameter	1870MM
Material	TPE-ABS
Cavity Qty	1+1
Cycle time	55S
Product weight	8.4G+72.4G



TPE/PP Dual color loudspeaker

Machine model	D280Db/M210M210p
Clamping force	2800 KN
Space between tie bar	920MMx570MM
Screw diameter	28MM/28MM
Material	PP+TPE
Cavity Qty	1+1
Cycle time	11S
Product weight	7.05G+6.5G



Dual color shaver handler

Machine model	D170Db/M370M210p
Clamping force	1700 KN
Space between tie bar	700MMx420MM
Screw diameter	35MM/28MM
Material	PS+TPE
Cavity Qty	16+16
Cycle time	22S
Product weight	2.7G+1.8G



Components & Functions List --- For Clamping Unit

Function Description /Clamping Unit	D120D-D280D	D390D-D810D	DH880D-DH1420D	DH1750D-DH1920D
Platen with screw hole	●	●	●	●
Platen (According to Euromap 2)	○	○	○	○
High rigid toggle system clamping unit	●	●		
High rigid 2-platen clamping unit			●	●
Mechanical and Electrical safety	●	●	○	○
Electrical safety	●	●	●	●
Hydraulic safety	●	●	●	●
Hydraulic motor for mould height adjusting	●	●		
auto-mold height adjusting function	●	●	●	●
Rotation platen driven by hydrauic motor	●	●	●	●
Rotation platen driven by servo motor	○	○	○	○
Mold open,closing and mold adjusting are controlled by transducer	●	●	●	●
Fix-quantity type auto central lubrication system			●	●
auto-monitoring central lubrication system	●	●		
Adjustable support for moving platen	●	●	●	●
High rigid steel slide tape for moving platen	●	●	●	●
Top safety cover for clamping unit	●	○		
Auto safety door	○	○	○	●
EUROMAP18 robot mechanical interface	●	●	●	●
Mechanical limit for moving platen	○	○	●	●
Magnetic platen	○	○	○	○
Hydraulic/electrical unscrew device	○	○	○	○
Mould hunger	○			
Safety pad under mould area			●	●
One group of water regulator	●	●	○	○
Two group of water regulator	○	○	●	●
Quick coupling for water regulator	○	○	●	●
Two groups of air blaster	●	●	●	○
Four groups of air blaster	○	○	○	●
Glass cooling water regular	○	○	○	○
Self-lock valve for mould height adjust	●	●	●	●

● Standard ○ Optional

Components & Functions List --- For Injection Unit

Function Description /Injection Unit	M150-M5800
Standard screw	●
Special screw	○
Shut of nozzle	○
Single injection cylinder	●
Transducer control for carriage cylinder	●
Screw rotating speed display	●
Plasticizing with hydraulic motor	●
Proportional back pressure control	●
Temp-monitoring for material feeding throat	○
Barrel insulation cover	●
Nozzle cover	●
Self-lock valve for carriage forward	●
Carriage central manul lubrication device	○
Carriage central auto lubrication device	○
Ceramic heater band	●
Nano FIR heating	○
Electrical plasticizing	○
Screw mobile feed hopper	○
Gas-assisted injection interface	○
Hopper dryer	○
Stainless hopper	●

● Standard ○ Optional

Components & Functions List --- For Electric

Function Description /Clamping Unit	D150D-D810D	DH880D-DH1920D
KEBA controller	●	●
TECHMATION controller	○	
200 groups mould parameter memory	●	●
All action instant monitoring	●	●
Production monitoring	●	●
Failure alarm display	●	●
Injection pressure turns to pressure holding status	○	○
I/O monitoring display	●	●
3 color light (with buzzer)	●	●
Motor overload protection	●	●
Front/back door emergency stop switch	●	●
5 pins socket of 380V/16A, six group	●	
3 pins socket of 220V/16A, two groups		
5 pins socket of 380V/32A, four groups		
5 pins socket of 380V/16A, two groups	○	●
3 pins socket of 220V/16A, two groups		
Transformer for servo motor system	○	○
Power saving with inverter	○	○
EURO MAP 12 robot interface	○	○
EURO MAP 67 robot interface	○	○
Double protection for heating	●	●
Safety relay monitoring	●	●
SSR heating control	●	●
Central network control system	○	○
Hot runner control system & interface	○	○
Instant power consumption monitoring	○	○
Instant clamping force monitoring	○	●

● Standard ○ Optional

Components & Functions List --- For Hydraulic

Function Description /Injection Unit	M150-M5800		
Servo motor pump	●		
Variable pump	○		
Fixed pump	○		
Electronic variable pump	○		
With bigger oil pump and motor	○		
Function-Multiple sets of injection sequently	○		
Injection servo valve	○		
Oil level alarm	●		
Self-lock suction oil filter	●		
Cooling water valve	○		
Function Description /Clamping Unit	D120D-D280D	D390D-D810D	DH880D-DH1920D
Two group of core pullings(on moving platen)	●	○	○
Three groups of core pullings(2 for moving platen, 1 for fixed platen)	○	○	○
Four groups of core pullings(2 for moving platen, 2 for fixed platen)	○	●	●
Sequence valve			○
Quick clamping device			●
Faster mould close device			●
Faster mould open device	●	●	
Eject on the fly	○	○	○
Eject on the fly(proportional)	○	○	○
Plasticizing on the fly	○	○	○
Plasticizing on the fly(proportional)	○	○	○
Plasticizing & eject and mould open on the fly(proportional)	○	○	○
Proportional control valve for clamping and open	○	○	●
Close loop control for mould open and close	○	○	○
Close loop control for eject	○	○	○

● Standard ○ Optional

Components & Functions List --- For Other Functions

Function Description	D120D-D810D	DH880D-DH1420D	DH1750D-DH1920D
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



> > Creating more value for our clients

Service



Tederic Machinery Co.,Ltd.

The professional turn-key solution supplier in injection molding industry

TEDERIC MACHINERY CO., LTD., specialized IMM solution provider. Now TEDERIC already owns DT(toggle system), DH(two platen), DE(Full-electrical) and multi-color(multi components) DREAM series IMM, our production line covers 6 fields including automotive, logistics, pipe fitting, home appliance and electronic. TEDERIC could customize turn-key solution with high efficiency, energy-saving and stability according to the requirement of clients, and our machines are already export to over 100 countries and welcomed by all customers worldwide.

“Create maximum value for the customers” is the sustained development concept of TEDERIC, we follow the market demand, keeping the innovation on energy-saving, automation, precision, humanization, ensure our products and turn-key solutions could create the greatest benefits for the investment of customers.

- ◎ **Online services:** e-service system and wechat connecting, allows you to enjoy anytime, anywhere within reach of the online services, identified by specially made for the machine, through the mobile phone will your service needs to convey to the TEDERIC service center, service specialist will be time for you provide answers, and in the app at any time to check your service progress.
- ◎ **Accessories Online:** convenient online mall network service, preferential price online, let your one-stop buy TEDERIC genuine original accessories
- ◎ **Experienced service team:** TEDERIC service team has more than 90 countries or regions of the world's customers for the first time to install or follow up the commissioning of the service.
- ◎ **Sales and service center:** the company headquarters (Hangzhou) as the core, has set up a South China, North China, central China and West China and East China Shanghai and Zhejiang in East China six regional marketing service center; regional customer training and the promotion of products exhibition center set up, equipped with the office and limousine service. The service site to your doorstep. And in more than 20 countries and regions worldwide equipment warehouse, allows you to experience the true meaning of the global service.



E-shop



Online service

