

FE Series Electrical IMM

--MAKE HIGH-END TOUCHABLE





AUX



SHIILINGXIN



GREE



HUAXIANG



GREE

Advantage Of Full Electrical Injection Moulding Machine

Compared to the traditional hydraulic injection moulding machine

01



Energy saving

02



Efficiency

03



Intelligence

04



Multi-function

05



Adaptability

06



Precision

07

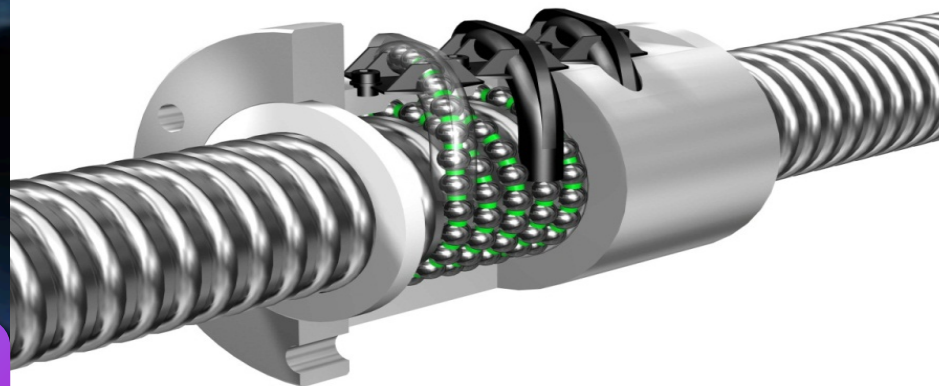


Stability

High – E nd

115,200,000 +
Movement

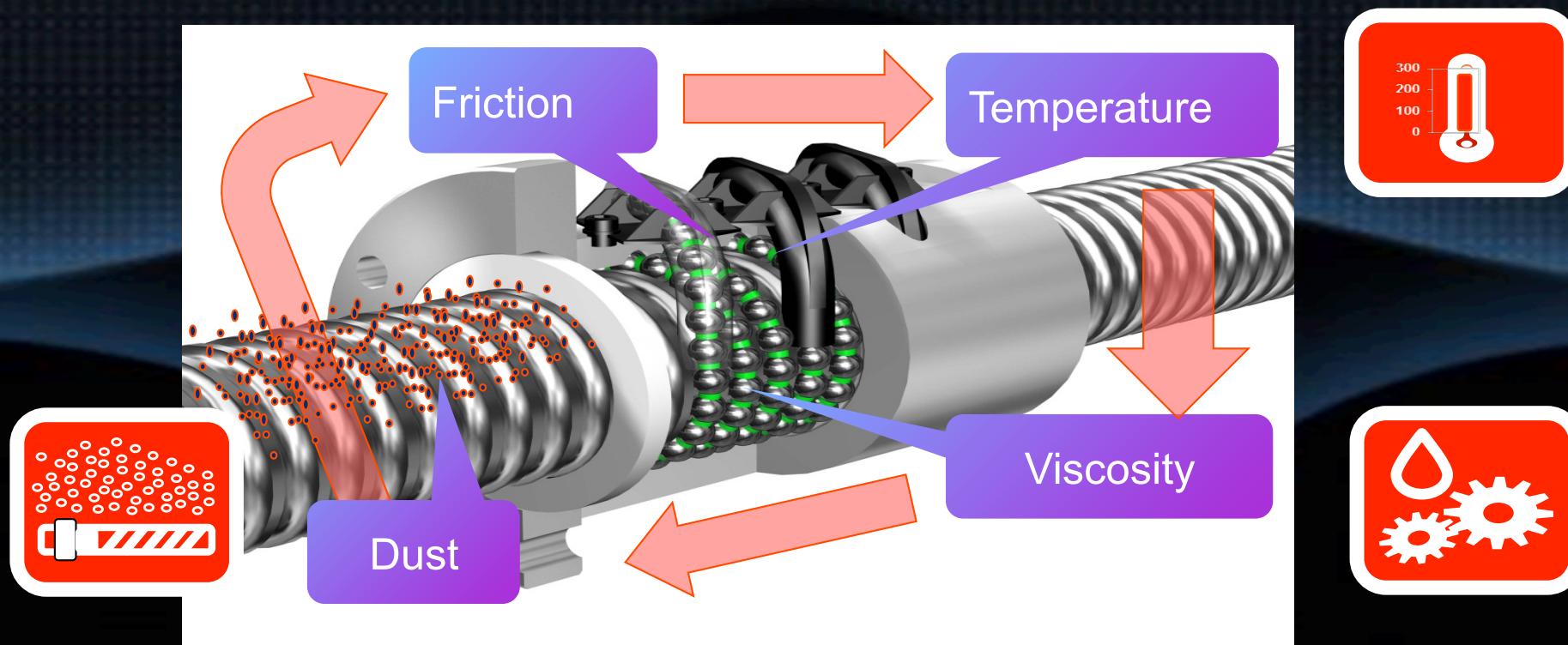
10,000 mm/s+
Speed of ball



290 ton+ Load

+/-0.002mm
Position tolerance

Ball Screw





01

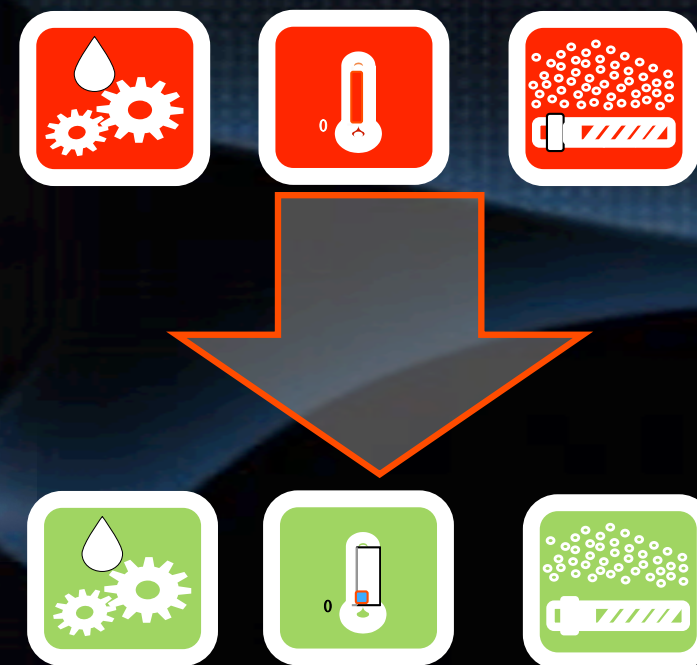
Need special high-temperature grease from Japan

02

Need good workshop environment, no dust and stable temperature

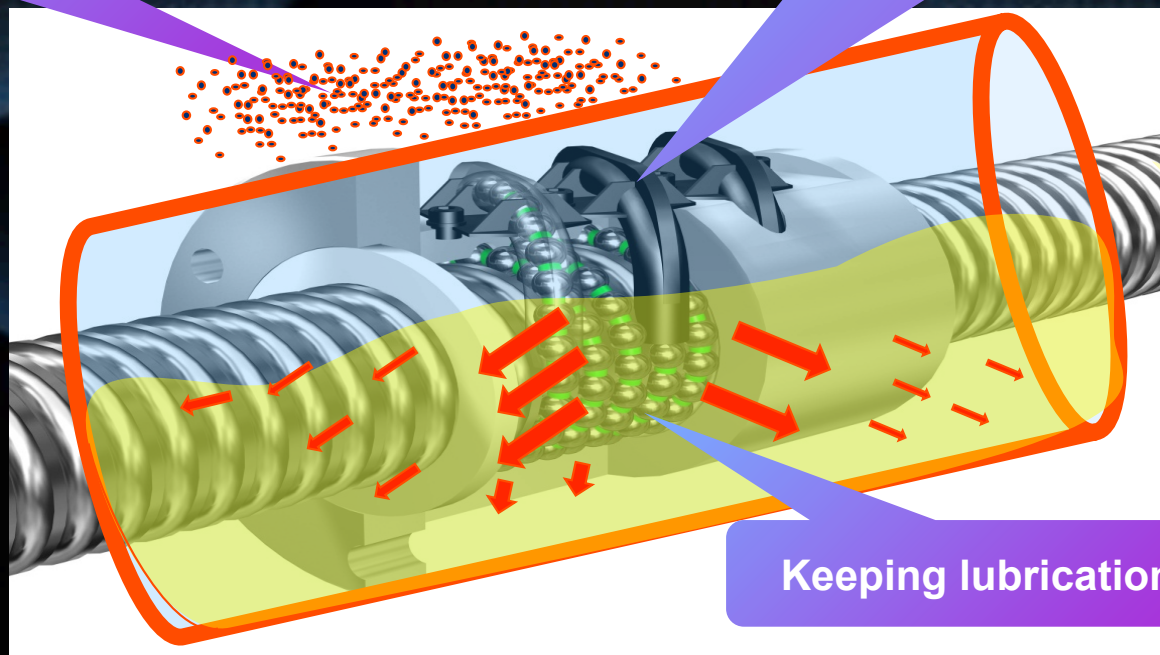
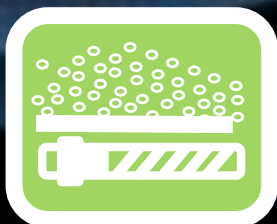


Patented Enclosed Ball Screw Structure

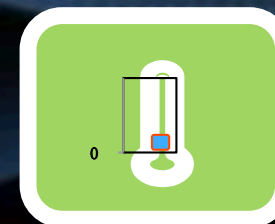


Protected by barrel
against dust

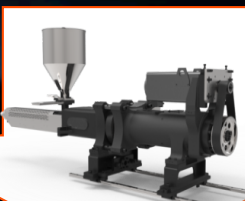
Take heat away by grease to
keep temperature stable



Keeping lubrication



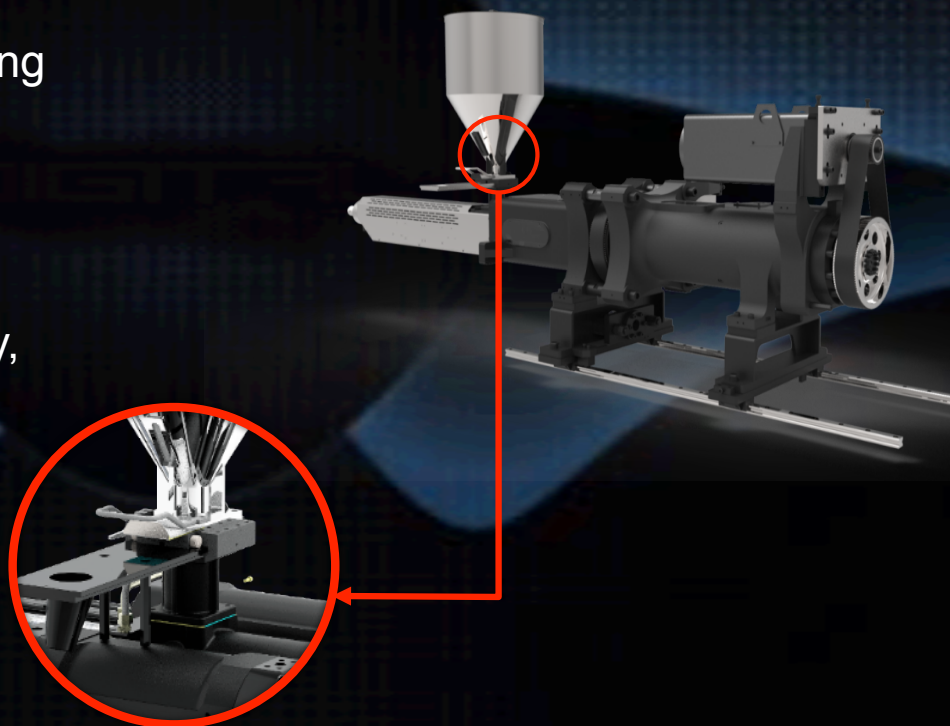
BOLE ORIGINAL DESIGN——Enclosed ball screw structure



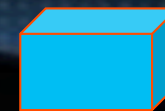
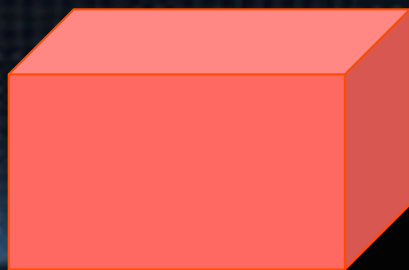
- 1 Take away friction heat rapidly, reducing ball screw temperature and abrasion
- 2 Avoid dust pollution and request of working environment is low
- 3 Expensive and imported ball screw lubrication grease is unnecessary
- 4 More easy for maintenance and no need to clean fatlute
- 5 Reliable, no lubrication channel

stable temperature of the feeding throat

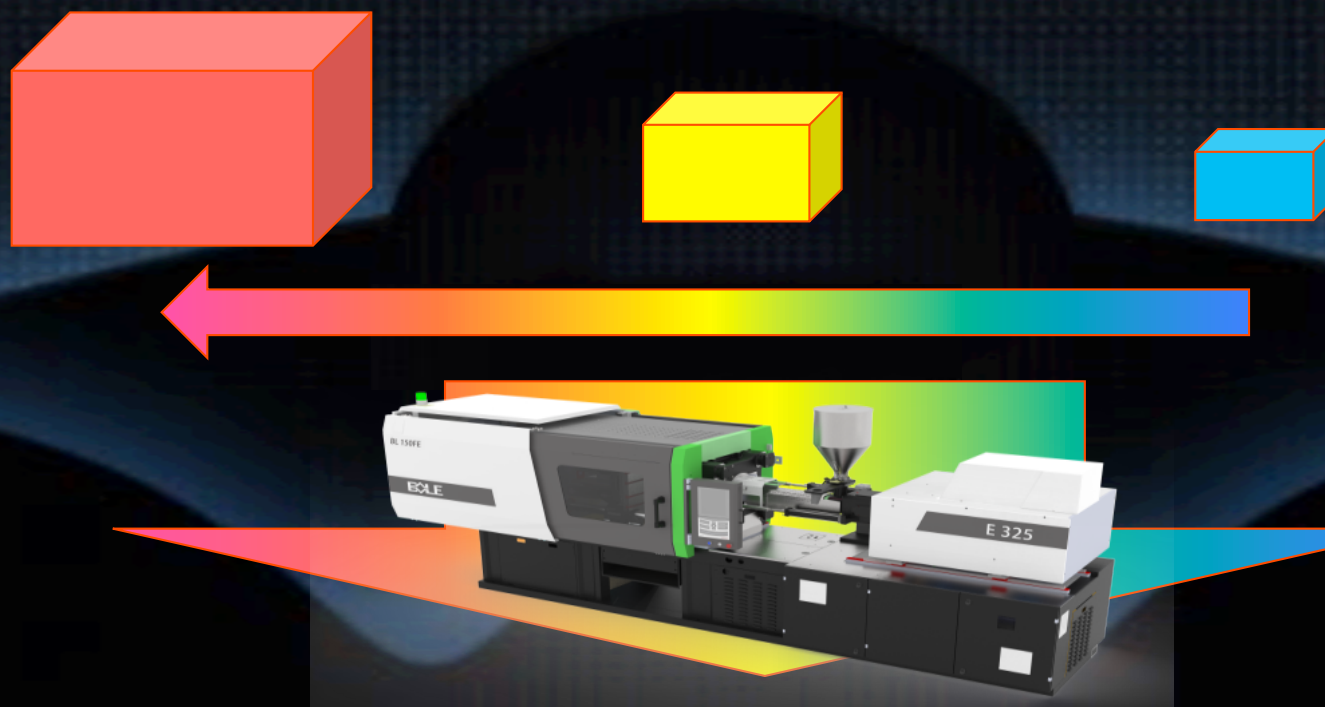
The stable temperature of the feeding throat prevents the instability of the feed due to the change of the temperature, affects the screw plasticization and injection accuracy, and improves the stability of the whole machine.



High – E nd



To select a suitable machine for high quality mold



To select a suitable machine for high quality mold

Central clamping structure



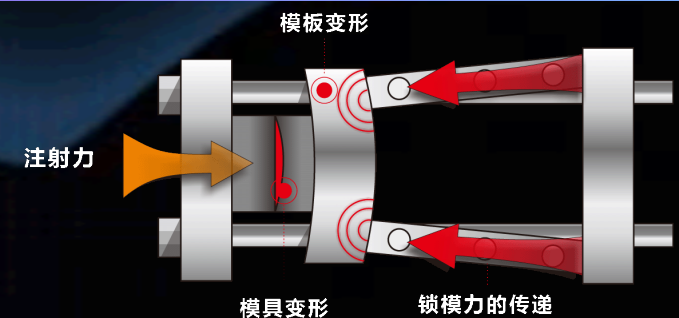
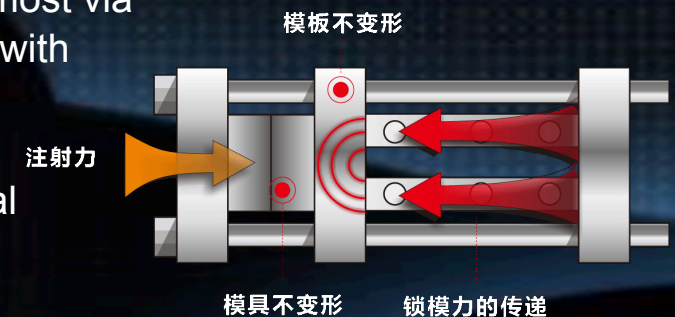
IMM with traditional structure can produce 100pcs products at most via 100kgs material. BOLE IMM can produce 102-105pcs products with same mold via 100kgs material. Save 2-5% material ;

Less flash and trim work, saving labor cost ;

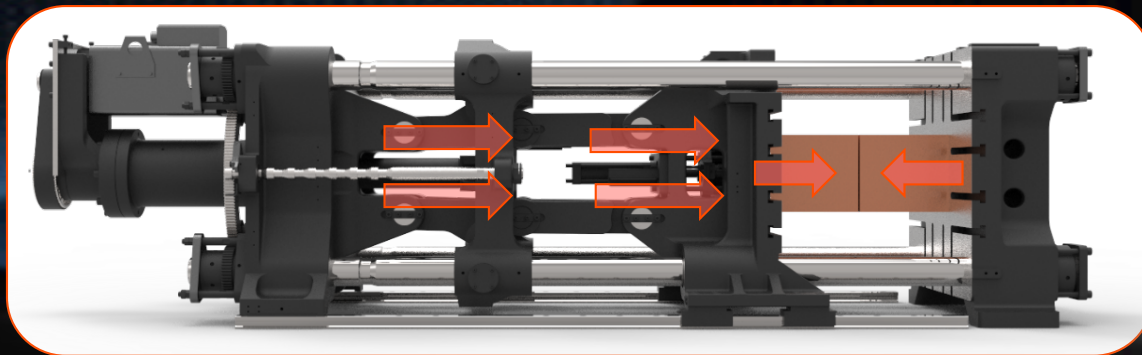
100% clamping force is used and higher 10-20% than traditional structure ;

The clamping force is focused on mold center and less deformation, which can protect the mold, platen and tie bar ;

Traditional structure's clamping force is wasted and used only 80-90%. The moving platen will be deformation and cause flash, material/labor waste.



E-version Of Central Clamping Toggle System



**+/-0.01mm
Position tolerance**

01

Clamping force is focused on the mold center. Large mold reduce the center part of the flash, small mold, platen less deformation

02

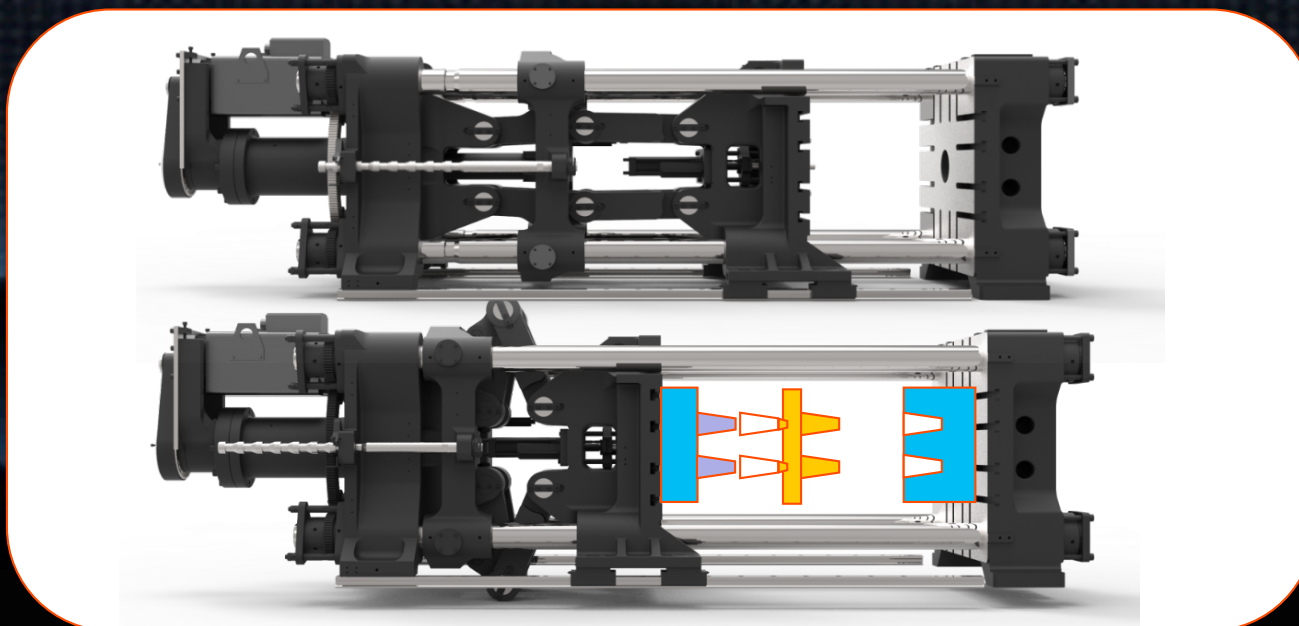
The machine is strong adaptability and wide versatility

03

Clamping force is used more effective

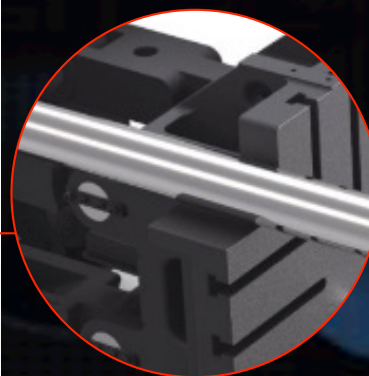
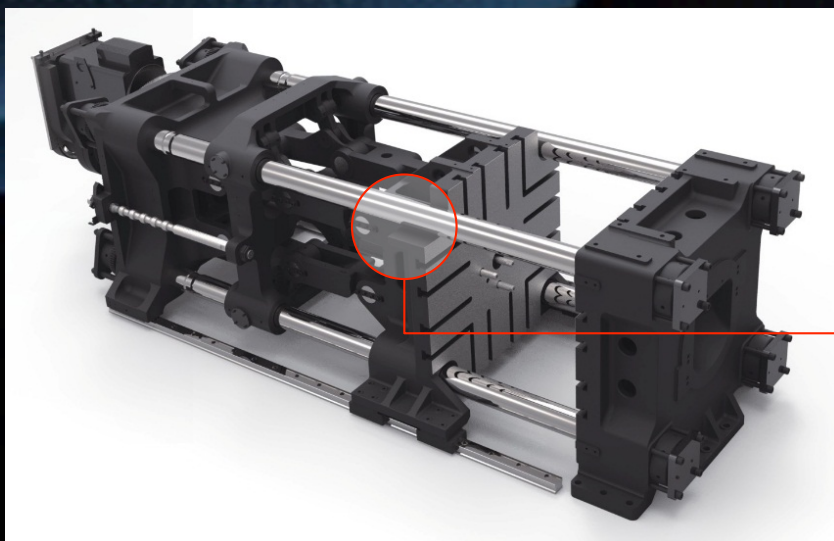
04

Less deformation of platen and mold, save material 2%-5%



Big opening stroke, fitting for IML&Automation

No contact tie bar

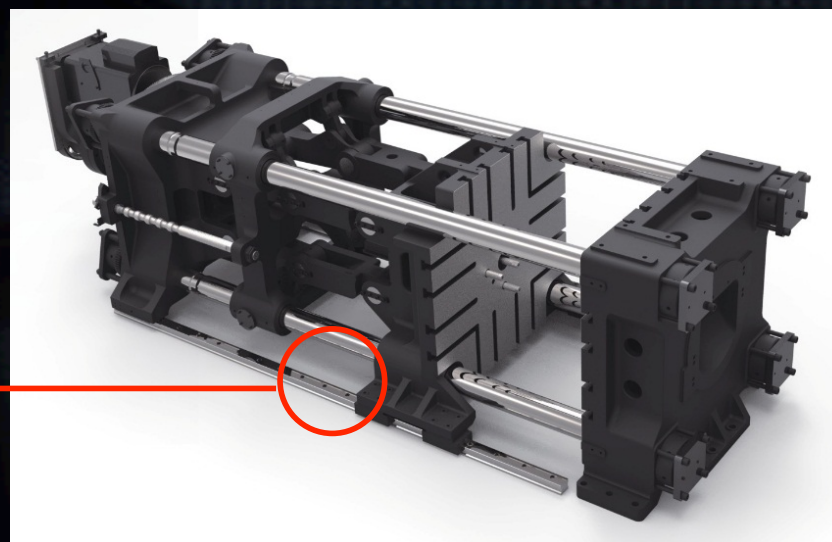


Tie bar is not touch with moving platen, no lubrication and ensure the mold area clean。

Linear guideway



Clamping movement adopts the Linear guideway, high-precision, high-strength linear guide with sliding foot are used to support the moving platen, to ensure the positioning accuracy. Faster opening and closing speed can be obtained due to low resistance, performance of the whole machine is further improved.



High – E nd



01

Need extra hydraulic
station

02

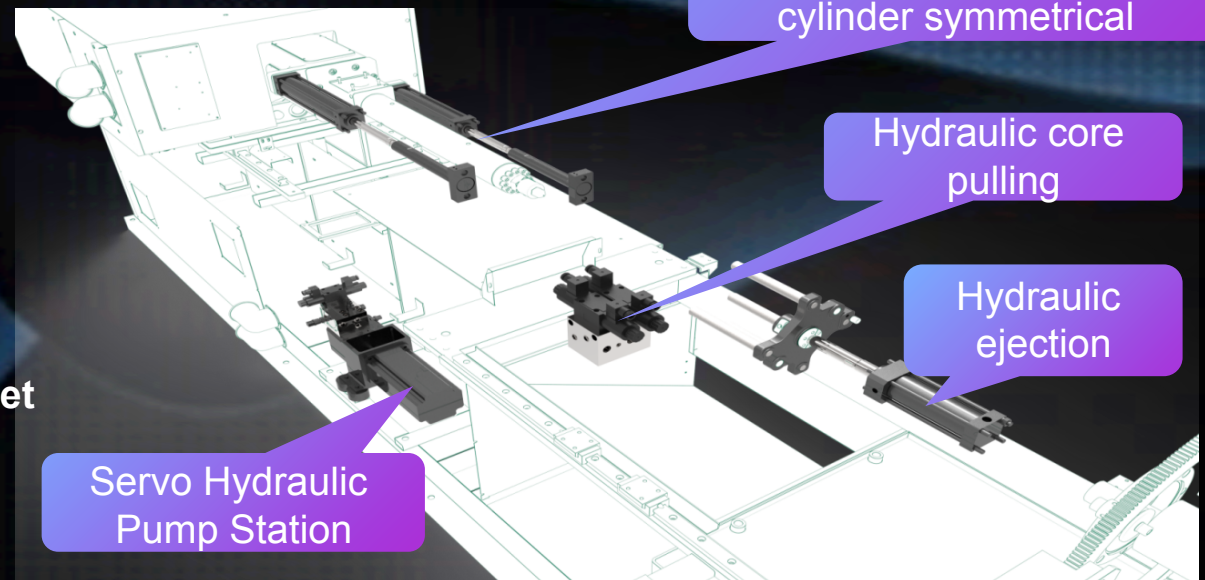
Large power
consumption

03

No intergrated
hydraulic control

Servo Hydraulic Pump Station As Standard

- 01** Servo hydraulic pump station, energy-saving effects more obvious
- 02** Symmetric double hydraulic carriage cylinder, providing sufficient force to offset
- 03** Matching hydraulic core to meet more mold needs



High – E nd

Standard combination configuration

BL110FE



E225



E225H



E325



E325H



AA型

A型

B型

C型

AA型

A型

B型

C型

AA型

A型

B型

C型

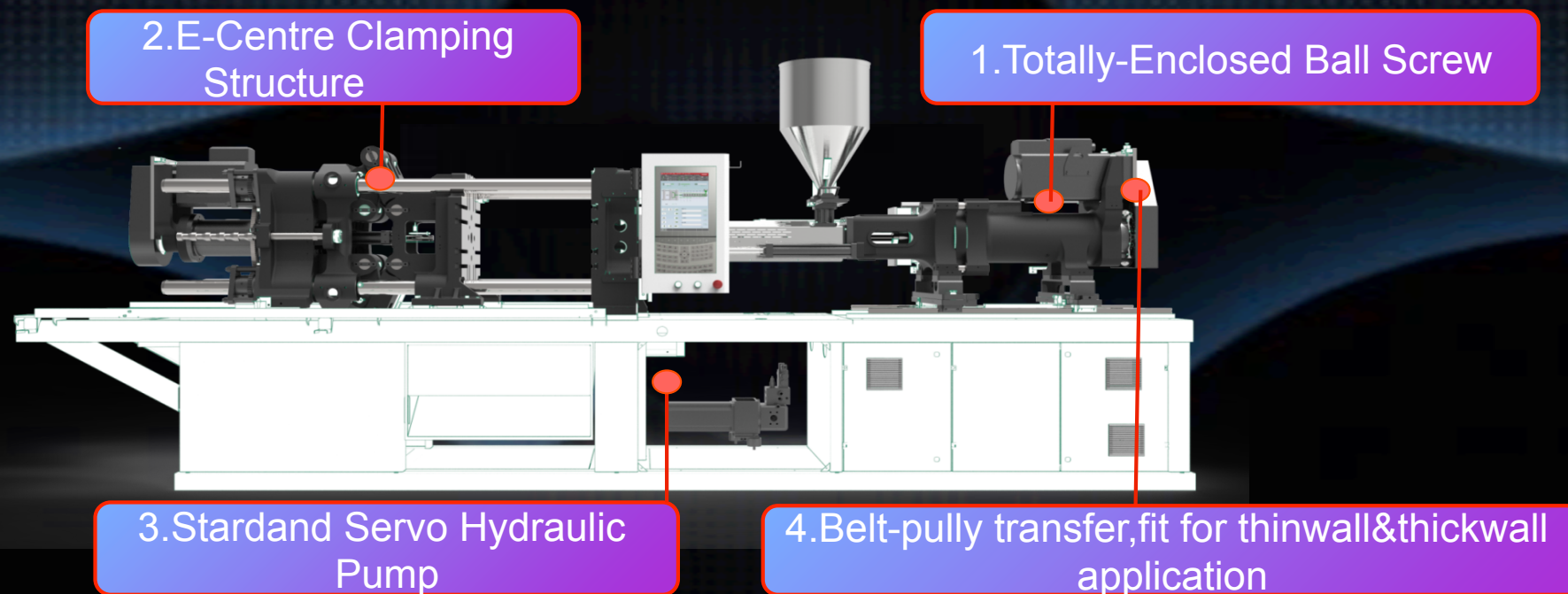
AA型

A型

B型

C型

BOLE electrical IMM-Make High-End Touchable



BOLE electrical IMM-Make High-End Touchable

Brand	BOLE	Others
Clamping unit	Central clamping	Large inclined angle
Ball Screw	Encapsulated Ball Screw	Common open Ball Screw
Hrdraulic station	Embed	external
Position precise	+/-0.01mm	+/-0.01mm

BNLE 伯乐塑机 成路集团
CHENGLU GROUP

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感谢聆听
Thank you