



L.K. MACHINERY INTERNATIONAL LIMITED



Forza-III series

Two-Platen Energy-Saving
Servo Injection Molding Machine



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Two-Platen

Energy-Saving Servo Injection Molding Machine

Forza-III series

Clamping Unit

- Non-contact tie bars with the moving platen
- Fast-moving cylinder
- Strong cast iron plates
- Precise mold guidance & platen parallelism
- Designed for low energy consumption

Injection Unit

- Single cylinder injection for higher accuracy
- Powerful injection unit with proven plasticizing system
- Quality assuring screw and barrel
- Versatile drive technology
- Ergonomics and compact machine design
- Flexibility through modularity
- Electric metering



Forza-III series

Clamping unit

Short stroke cylinder

High clamping force
Short pressure build-up time
Minimize energy consumption

Fast-moving cylinder

Arrange diagonally to allow
maximum access to the mold area

Non-contact tie bars with the moving platen

Excellent mold protection
Frictionless
Minimal contamination on molding area
Tried and trusted system

Strong cast iron platen

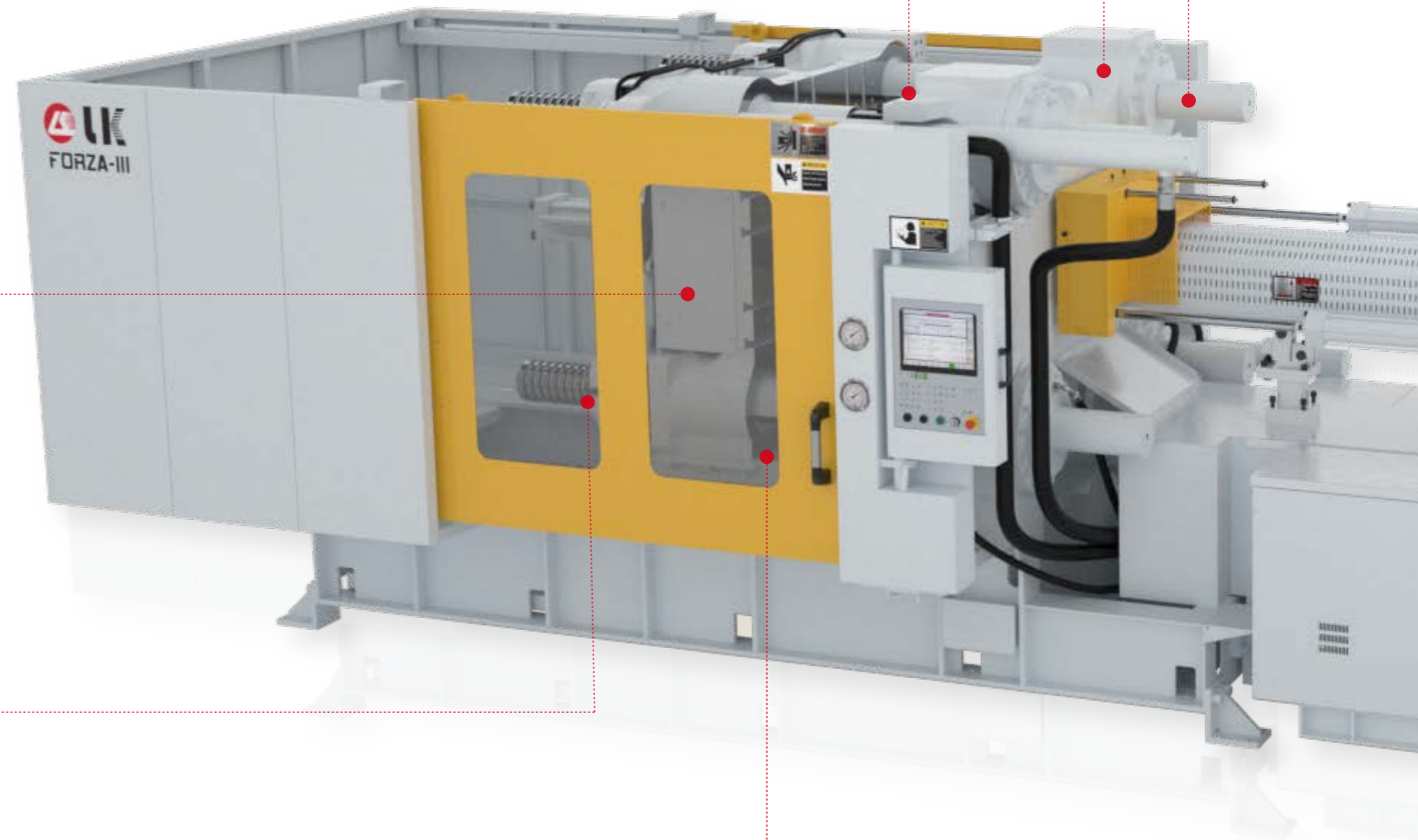
Excellent rigidity
Fast dry cycle time
Ejector free access from outside

Synchronized locking

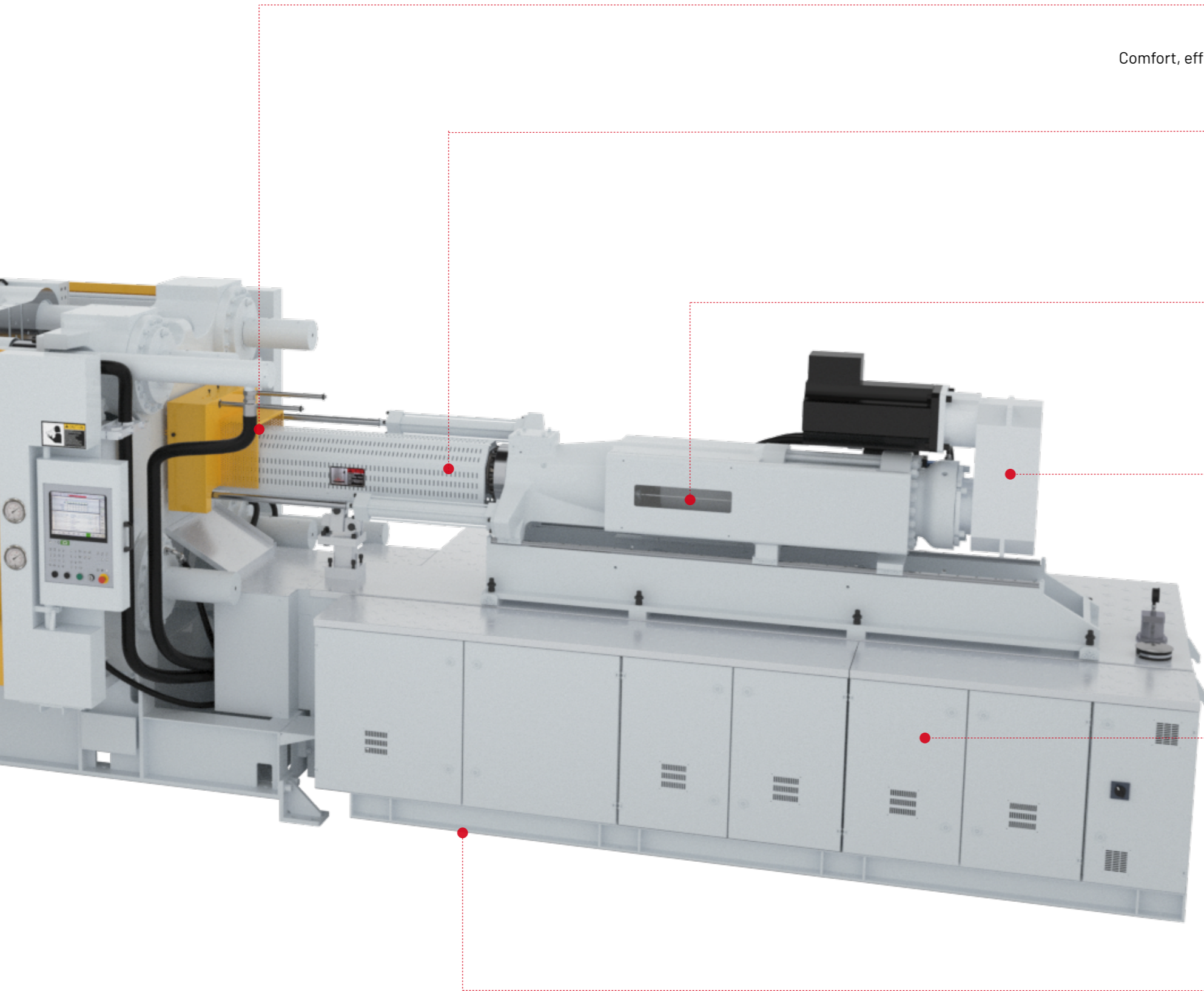
Quick and precise
Short locking time

Linear guideway

Perfect platen support
Precise mold guidance and platen parallelism
Energy-efficient mold movement



Forza-III series Injection unit



Ergonomics

Comfort, efficiency, safety machine design
Less footprint

Screw and barrel

Various design for different
applications to optimize quality

Proven plasticizing system

Maximum reproducibility and homogeneous melt

Electric metering

High plasticizing performance to reduce total cycle time,
ideal for efficient results

Versatile drive technology

Excellent acceleration of movements
Flexible selection optimized for different requirements

Flexibility through modularity

Freedom of combination on clamping,
injection and drive unit

Application

A versatile and efficient solution for large parts

LK's two-platen energy-saving servo machine Forza combined the design of machine operating, hydraulic and control all-in-one. The compact Forza two-platen injection molding machine will let you enjoy the freedom of small footprint, multi-functional process capability, tons of application-orientated add-on modules which sophisticated processors are seeking.

It performs flexible and modular machine clamping and injection matrix including plug and play modules perfect for diverse markets and applications. Thanks to servo pump technology to large tonnage two-platen platforms, resulting in excellent cycle time in a tremendous energy-saving.

With its flexible layout and compact size, the Forza integrates ideally with your production. No matter whether you produce large parts, manufacture highly sophisticated components for the automotive industry or absolutely need a perfect surface for your high-tech products.

LK - Ahead of the curve

The future of injection molding machine is incentive and challenging, thanks to the advanced of technology and the continual development of better material. LK aim to offer unique advantages and benefits for specific applications. Hence, we are constantly working to develop new-technology together with you. With the benefit of that, you can achieve the goals of cost-effective solution for efficient manufacturing, perfect surfaces and material combinations.

- Improved, light-weight materials and automated systems are reducing costs and streamlining processes.
- Customization features are allowing us to utilize precision technology to create quality pieces to exact specifications.
- Increased awareness of climate change and other environmental factors will continue to drive demand for more eco-friendly materials, such as recycled, reclaimed and renewable plastics.

Automotive industry



Home appliance industry



Sanitation industry



Logistics industry

