



L.K. MACHINERY INTERNATIONAL LIMITED



Lena series

**Direct Clamp Energy-Saving
Servo Injection Molding Machine**



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Direct Clamp Energy-saving Servo Injection Molding Machine

Lena series

Clamping unit

Injection unit



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Lena series

Robust clamping unit

- ▶ Top-notch direct hydraulic clamping
- ▶ High pressure cylinder internal oil circulating circuit
- ▶ Fast response and energy saving
- ▶ Highly integrated hydraulic clamping structure and sealing technology

Non-contact tie bars and swift platen movement

- ▶ Tie bars have zero wear with unparalleled service life
- ▶ Low friction, fast response platen support by linear guideway
- ▶ Generous distance between tie bars and daylight to fit bigger molds

Single cylinder injection system

- ▶ High injection precision
- ▶ Low inertia with fast response
- ▶ Optimal injection speed for thin-wall applications between 150 -200 mm/s
- ▶ Electric metering for shorter cycle time and lower energy consumption (optional)

Ingenious control

- ▶ Proportional clamping control
- ▶ Back pressure proportional control
- ▶ KEBA 12" PLC with LCD touch screen panel
- ▶ Linear transducer for injection position, carriage position, mold platen position and ejector position

Hydraulic System

- ▶ European high efficiency servo pump technology