



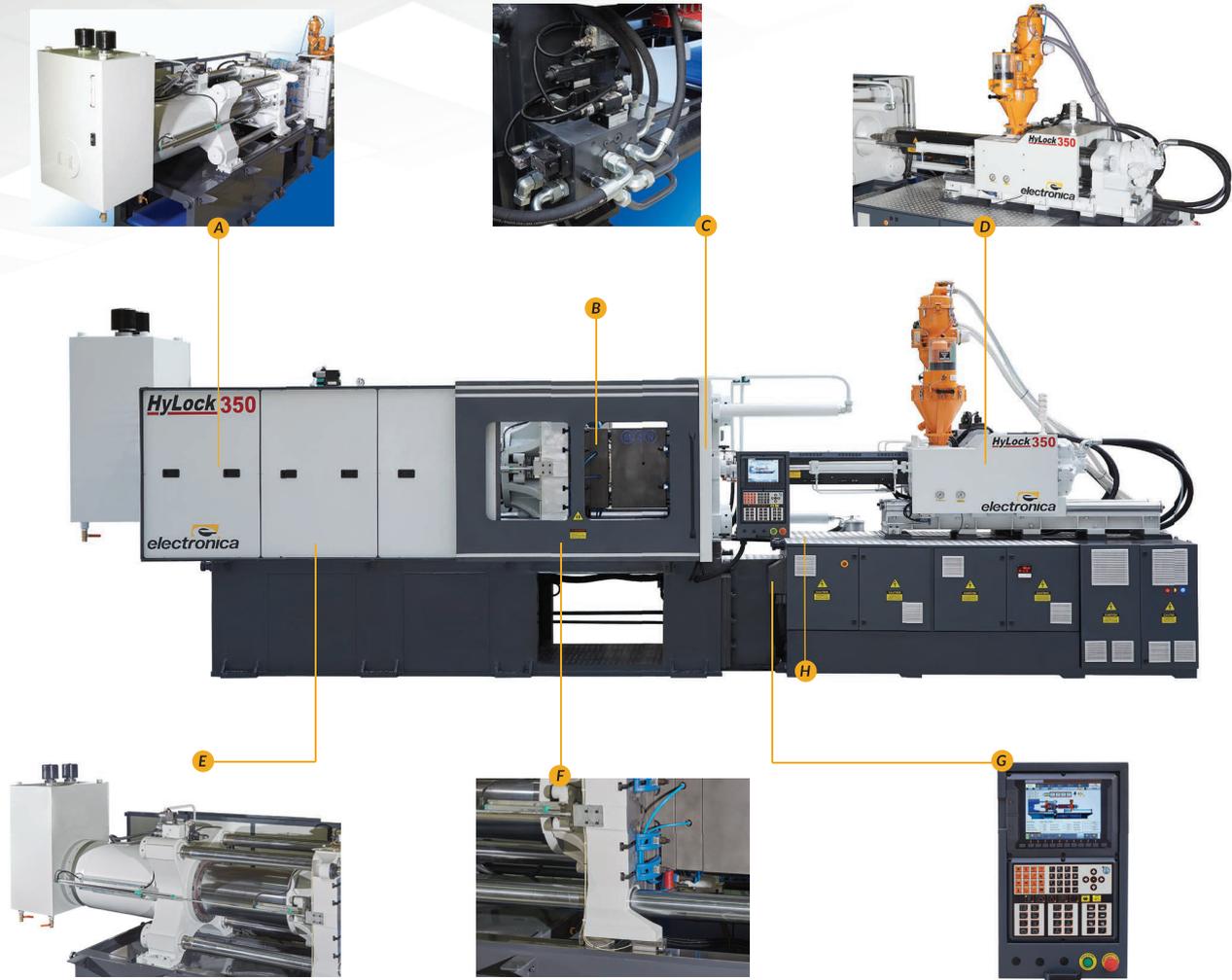
HyLock Series

Servo Hydraulic Injection Moulding Machine



- High Performance
- High Productivity
- High Energy Efficiency
- High Precision & Consistency
- Strong & Robust Design


electronica
Plastic Machines



A Advanced & Latest Clamp Design

- Large Capacity Separate Prefill Tank.
- Fast Tonnage build up and Actual Tonnage Display on screen.
- Twin Traverse Cylinders for fast mold open / close operations.
- Multipoint Ejection (Knock Out) for uniform force distribution.
- T-Slot as well as Tap Holes on Moving & Stationary platens.

B Generous Mold Space for Accommodating Large Molds

C Hydraulics

- Ergonomically designed easy to access and easy to service hydraulic circuit design.
- Valves placed near to the actuators for fast response.
- Servo motor driven Internal Gear Pump.
- Fast responding multi check hydraulic door safety inter lock.
- Continuous Oil Filtration with 10 Micron filter.

D Twin Cylinder Balanced Injection Unit

- Wide choice of Injection Units with proven screw geometry.
- 7 Stage Injection Speed & Pressure Control & 4 Stage Hold-On Control.

E Large Diameter Hydraulic Ram

- Headless Hollow Large Ram diameter with latest Oil sealing system.
- Provides Uniform Clamping force distribution.
- Ensures Mold Squareness & Parallelism.

F Wide & Strong Moving Platen Support

- Four-point Precisely Adjustable Moving Platen Supports.

G Advanced & User-Friendly Control

- PC Based Control with high response time - Linux Kernel Base.
- 10.4" TFT Color Display with Alpha numeric key pad.
- Easy & Direct Access to Menu keys.
- Graphical Presentation of Various Machine Parameters.
- Ethernet Module for access through PC.
- Printer Interface with USB Port.
- Auto shut down based on Pre-set Time.
- Central Monitoring through LAN & Industry 4.0 compatible.

H Temperature Control

- Temperature Auto tuning through controller with Heater Failure Alarm.
- Close loop PID control.
- Individual Zone Current Display.

Ejector

- Multipoint Ejection (Knock Out) for uniform force distribution.
- Linear Transducer for accurate Ejector position control.
- Pulsating as well as Ejector Hold function.

Controls

- PC Based Control with high response time - Linux Kernel Base.
- Backup of complete Parameters & I/O Mapping can be taken in USB Pen drive.
- 10.4" TFT Color Display with Alpha numeric keypad.
- Configurable multilevel password for Operator, Manager, OEM & System.
- Temperature Autotuning through controller with Heater Failure Alarm.
- Easy swapping of Digital Inputs & Outputs, Analog I/O, T/C, through the controller display with diagnosis.
- Electrical Cabinet temperature indication on screen.
- Display of Energy Consumption in kWh for last 24hrs. or for 365 days with RS485 enable energy meters.
- Production history on Per Hour Basis for 365days in Tabular form as well as Histogram.
- Unlimited Mold Data Storage. Also, Backup in pendrive possible.
- SPC Monitoring for more than 30 process parameters with High-Low tolerance band with Alarm / Warning function selection.
- Last 2000+ shots history for process parameters with Graph.
- Log Menu for last 200+ setpoint changes, with Time & Date.
- Mold Open / Close Velocity & Pressure Graph.
- Injection Pressure & Velocity Graph. Back Pressure Graph.
- Process parameters settable in absolute values also, i.e. Pressure in Bar, Speed in mm/s, Screw Rotation in RPM, etc.
- Ethernet Module for access through PC. Printer interface with USB port.
- Machine Maintenance scheduling.
- Auto shut down based on Pre-set Time.
- Central Monitoring through LAN & Industry 4.0 compatible.
- Other Optional programs like Mold Gate Valve, Accumulator, Nozzle Shut Off Valve, Sequential Valve Gate, Mold Spray Alarm, etc. are available as a standard scope of supply.

Nationwide Sales & Service Network

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