

■ SYSTEM ARCHITECTURE

Layer	Components	What it does
Motion Design	Balanced dual injection cylinders, balanced clamping cylinders	Symmetrical force distribution, no off-axis loading
Mechanical Structure	Heavy-duty linear guide rails	Low friction, accurate axis guidance, longer component life
Feedback	High-precision linear transducers on main axes	Exact position data for closed-loop correction
Servo Control	Servo-hydraulic drive, closed-loop over position / speed / pressure / temperature	On-demand power, smooth response, low idle draw
Pressure Relief	Patented non-reversing method	Fast pressure drop without pump reversal shock
Mould Protection	AIR Buffer™ (pressure sensor+patented algorithms)	0.1 mm obstruction detection at full clamp speed