



Genesis™

60-300 ton Press for Compression and/or Transfer Molding

- Integrated architecture for demanding applications
- Advanced Process Control
- Total clamp speed adjustment
- Four zone temperature control with one thermocouple input per zone
- Two-hand, anti-tie-down cycle start buttons
- Standard 3-side light scan guarding
- Adjustable pressure 5 to 100% and speed adjustment during slow close
- Positive head hydraulic pump suction
- Mold protection - low pressure clamp closing with programmable digital position





GENESIS FEATURES/BENEFITS

The Genesis press offers many features for the most accurate insert molding available.



Integrated Mold Heat Control

- Mold heat parameters saved with recipe
- Separate wattage controls
- Auto Tune PID loops saved with recipe
- Programmable heater outlets to zones
- Heater burn-out detection



Hydraulic Technology

- Speed & pressure valves with programmable settings with smooth transitions
- Fast response servo valve
- Closed loop pressure control
- Digital position transducer
- Clamp & transfer circuits independently controlled



Energy Efficient

- Electronically controlled variable displacement pump – provides only the volume required to reduce system heat & input energy
- Standard water valve modulates to regulate hydraulic water cooling flow



Menu-Driven Interface

- Programmable 10" color touch screen
- Upload or download saved parameters
- Trending to monitor molding process
- Operator assist alarms
- Four-level password protection
- Troubleshooting screens



Rigid Press Frame

- Pre-stressed rectangular columns for stiffness
- Columns have adjustable 45° gibbs for accurate guiding regardless of platen temperature
- Upper & lower platens are machined within .001 inch per foot
- Moving & fixed plates have a max. deflection of .0015

SPECIFICATIONS						
Clamp Tonnage (U.S.)	60	90	130	165	220	300
Clamp Stroke (inches)	10	12	12	12	18	24
Clamp Daylight (inches)	25.5	28	30	30	40	40
Mold Spacing L to R (inches)	22	25	28	32.5	32.5	40
Mold Spacing Front to Back (inches)	22	25	28	34.5	39	39
Fast Close Speed Max (IPM)	250	300	375	375	250	250
Slow Close Speed Max (IPM)	25	30	60	60	60	25
Fast Open Speed Max (IPM)	135	150	450	450	300	300
Transfer Tonnage (U.S.)	5	8.3	8.3	12	40	40
Transfer Stroke (inches)	12	16	16	16	16	16
Transfer Fast Advance Speed Max (IPS)	9	9	9	6	4	4
Transfer Slow Advance Speed Max (IPS)	3	3	3	2	1	1



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