

Pyramid Design Improvements

- 1) The screw coupling system eliminates the coupling pin and snap rings used by Autojectors and Newbury.
- 2) The clamp is a straight hydraulic clamp, eliminating the need for toggles or wedges and any lubrication on the clamp. A hydraulic regeneration circuit, along with a 15 GPM pump, allows the clamp open and close speed to remain as quick as other designs.
- 3) The hydraulic pump is fully proportional in regards to both pressure and flow, making the machine much quieter and more efficient. The increased efficiency allows for a machine that does not require a heat exchanger.
- 4) The upper mold carrier does not travel inside the main c-frames, allowing for mold cooling or heating lines to exit the tool from any side.
- 5) The shuttle table, upper mold carrier, and guide rods are nickel plated to prevent corrosion.
- 6) All guarding is stainless steel as well as the purge chute.
- 7) The electrical cabinet is mounted low to provide access to the injection unit from three sides.
- 8) The operator interface is located on a multi-positional, pivoting swing arm assembly that allows access to the interface from the front of the machine as well as from the injection unit. This can allow customers to manually pour purging compound into the hopper while actuating the extrude.
- 9) The operator control buttons are mounted at the sides of the c-frames allowing cables to slide freely across the shuttle.
- 10) The nozzle thermocouple is the same design as the barrel rather than the probe design used by Autojectors and Newbury.
- 11) Barrel thermocouples are accessed from the top of the barrel, through the heat shield, rather than under it where people can get burned or shocked while servicing.
- 12) Greaseless bushings and wear plates are used on the injection unit and shuttle table, eliminating the need for lubrication in these areas.
- 13) Manufacturer's part numbers are provided for all purchased items so that customers may get replacement parts from local distributors. This is particularly useful for customers in Mexico that may need to wait on customs for shipments from the United States.