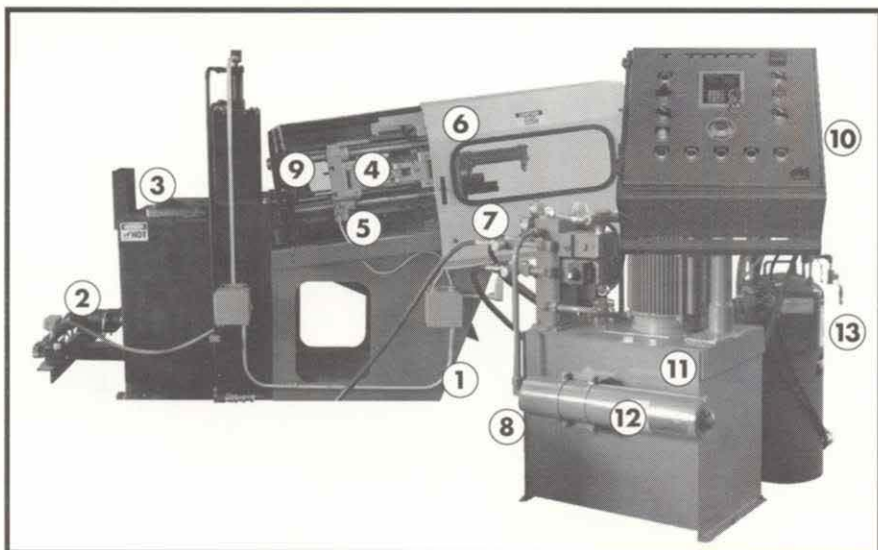




DIE TECH INDUSTRIES, LTD.

350 Kinsley Ave., Bldg. 42, Providence, RI 02903 • (401) 273-7250 Fax (401) 751-7023



The Model 35 from DTI enhances die casting productivity and profit.

Model 35 Electro-hydraulic automatic die casting machine, exclusively from DTI is a proven performer that converts die casting production problems into profitable solutions! The rugged, toggle-lock mechanism, combined with an oversized shot system is powered by Vickers hydraulics and Allen-Bradley programmable controls - resulting in a compact, safe, and productive die casting machine package.

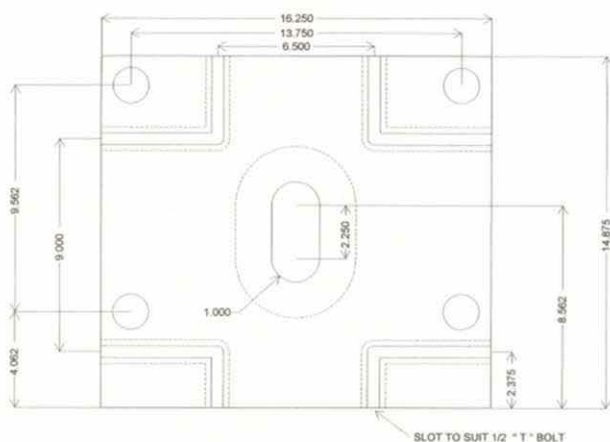
The Model 35 - the "next generation" beyond the original British-made DCMT die casting machine and DTI's proven US-made electro-hydraulic power/control console - provides discriminating die casters with a hydraulic fully automatic die casting machine (hot chamber series) with ultra-reliable proven electronic controls. This machine is designed to meet demanding die casting industry requirements for die casting production machine in the intermediate locking tonnage range, with sufficient inject (shot) capacity and platen work area to provide both custom and captive die casters with a means to produce high quality zinc castings. The 35 is a welcome addition to, and replacement for, die casters who produce parts on the old H35E AVNET/DCMT die casting machine - providing parts interchangeability and the latest in hydraulic power and electronic controls with reliable, proven die casting technology.

- 1 Heavy duty welded fabricated base includes large furnace end - ejection end can be fitted with chute as shown or with wet quench conveyor.
- 2 Oversized furnace end refractory fire brick lined and fired with energy efficient burners.
- 3 300#ZN furnace pot with detachable gooseneck.
- 4 Simple, heavy duty steel platens and links mounted on (4) 1 1/2" tie bars. Oversized toggle pins fitted into bushed holes.
- 5 All machine motions are switch interlocked.
- 6 Safety ratchet assembly interlocked to die closing motion.
- 7 Split safety guarding interlocked to machine electro-hydraulics (operator side guard shown in open position).
- 8 Ultra-reliable performance proven self-contained electro-hydraulic power/control console.
- 9 Dual shot position, easily converted.
- 10 Programmable controlled electronic PC; easy-to-learn push-buttons and selector switches; extremely accurate microprocessor temperature controls. Maintain metal temperatures to within 1° F.
- 11 Vickers Hydraulic Pumps powers by high efficiency quiet cool 10HP motor. Manifolded mounted Vickers valving and plug-in pressure controls. Easy-to-read gauging indicates independently controlled closing and shot pressures.
- 12 Oversized 1-gallon repairable Nitrogen charged piston accumulator plumbed directly to inject cylinder for maximum shot velocity.
- 13 Optional oversized auto die lube spray unit with dual spray heads.

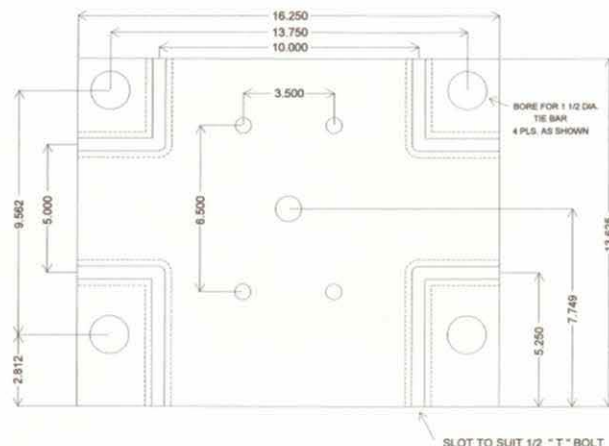
**DIE CASTING
TECHNOLOGY AND SERVICE
THE WORLD OVER**

EQUIPMENT • SALES • CONSULTING • SERVICE

SPECIFICATIONS



35 HOT END PLATEN HOLE LOCATION DRAWING
NOTE: FOR BELOW CENTER SHOT, 2 1/4 RISER BLOCK PROVIDED



35 MOVING PLATEN HOLE LOCATION DRAWING

Clamping Force	36.8 Tons
Between Tie Bars	12.25" x 8.0625" (V)
Platen Size	16.25" x 14.875" x 2.25"
Tie Bar Diameters	1 1/2" (x4)
Die Height	5.25" - 10.875"
Casting Area (max.)	24 sq. in.
Shot Capacity	12 - 16 oz. ZN
Plunger Diameter	1 3/4" (2" and 1 5/8" optional)
Pot Capacity	300 lbs. ZN with detachable gooseneck (optional: original design 1-piece gooseneck/95 lbs. pot)
Shot Positions (specify)	0/2 1/4" below
Hydraulic Pump Capacity	13.8 GPM @ 1,500 PSI (max.)
Closing Cylinder Diameter	2.5", speed controls each end
Shot Cylinder Diameter	2", cushioned return
Electrical Power Motor	10 HP - 3 ph./specify Voltage/50-60 Hz.
Controls	120 V/1 ph./50-60 Hz; Allen-Bradley programmable controls, or 4-timer plug-in relays
Burners	50,000BTU - Natural Gas or Propane/Butane
Hydraulic Accumulator	oversized 1 gal. repairable piston type, in-line, mounted directly to shot cylinder
Free Cycling Speed	1,500 shots/hour (max.)
Machine Weight/Dimensions	2,400 lbs./37" x 62" x 76"H
Console Weight/Dimensions	700 lbs./36" x 36" x 60"H