

NEW “DCP HVCS SERIES HIGH COMPRESSION DIE CASTING MACHINES
Horizontal Vertical cold chamber shot
500 Ton -1600 Ton

MODEL NO.	DCP-500-HVCS	DCP-650-HVCS	DCP-800-HVCS	DCP-900-HVCS	DCP-1200-HVCS	DCP-1600-HVCS
Nominal locking force	US 500	US 700	US 900	US 1100	US 1200	US 1600
Distance between tie bars (V x H)	26” x 26”	32 ½” x 32 ½”	36 ½” x 36 ½”	40” x 40”	42” x 42”	51” x 51”
Tie bar centers (V x H)	31 ½” x 31 ½”	36 ½” x 36 ½”	43 ½” x 43 ½”	48” x 48”	51 “ x 51”	62” x 62”
Tie bar dia.	5 ½”	6 ½”	7”	8”	9”	11”
Front Platen dimensions (TxWxV)	8 ¾” x 43” x 49”	12” x 54” x 61”	13” x 60” x 67”	14” x 64” x 71”	18” x 70” x 80”	21” x 83” x 96”
Moving platen dimensions (TxWxV)	8 ½” x 43” x 43”	11 ¾” x 54” x 54”	12 ¾” x 60” x 60”	13 ¾” x 64” x 64”	16 ¾” x 70” x 70”	20” x 83” x 83”
Rear platen dimensions (TxWxV)	8 ¾” x 43” x 43”	11 ¾” x 54” x 54”	12 ¾” x 60” x 60”	13 ¾” x 64” x 64”	17 ¾” x 70” x 70”	18 ¾” x 83” x 83”
Die thickness	12”-29”	19”-35”	20”-40”	23-43”	25” – 45”	30” 50”
Die stroke	14”	20”	22”	25”	27”	32”
Die open speed	1.8	2.0	2.3	2.5	3.4	3.5
Die close Speed	1.7	2.3	2.5	3.0	3.5	3.7
SHOT SPECIFICATIONS:						
Shot cylinder stroke after docking	14”	20”	20”	20 ½”	24”	26”
Shot cylinder bore dia.	6”	8 ½”	10”	10.5”	11”	12”
Shot plunger tip dia. (Min./Max.)	2 ¾”-3 ½”	3 ½”- 3 ¾”	3 ¾”- 4 ½”	4 ½”- 5”	4 ½” - 5”	5”- 6”
Metal PSI	14,616	14,641	14,543	14,520	14,520	14,520
Shot center line from die mounting surface	7”	7”	9 ¾”	11”	12”	12”
Docking stroke	6”	6”	6”	12”	12”	12”
Retracted cold chamber position		15”	19”	20”	21”	25 ½”
Shot cylinder force	42 tons	85 tons	85 tons	129 tons	142.4 tons	142.4 tons
Shot weight standrad	13 ½ Lbs.	22 Lbs.	31 Lbs.	40 Lbs.	47 Lbs.	51 Lbs.
ELECTRICAL						
Motor horsepower Standard 480 V, 1200 RPM, 60 cycle	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP
EJECTION						
Ejection Force Tons	14	20	20	20	20	52
Ejection Stroke	4”	6”	6”	6”	6”	10”
GENERAL						
Machine size LXWXH						
Dry machine weight cold chamber	48,000 Lbs.	70,000 Lbs.	109,000 Lbs.	134,000 Lbs.	160,000 Lbs.	275,000 Lbs.

All specifications subject to revisions without prior notice All dimensions are without melting furnace