

HPM YM SERIES COLD CHAMBER DIE CASTING MACHINE YM 140-900 MT



NORTH AMERICA CORPORATION
A member of the YIZUMI Group

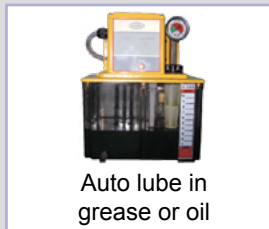


Setting a New Standard for Machine Performance

The new, YM Series of cold chamber die cast machines from HPM North America provides outstanding value and dependability - whatever your die cast needs. From automotive to recreational, from appliances to computers - HPM is ready to build a "money making machine" that can enhance your productivity and competitive advantage.

The YM Series offers the combination of performance-proven features, solid engineering and practical technology that reflects our decades of experience in producing rugged, dependable machines. Of course, the YM Series is supported by our Three Year Golden Warranty.

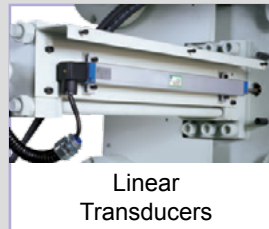
YM 140-900 MT Series Features



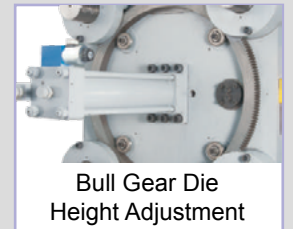
Auto lube in
grease or oil



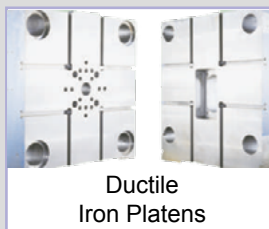
Vickers/TKS
Components



Linear
Transducers



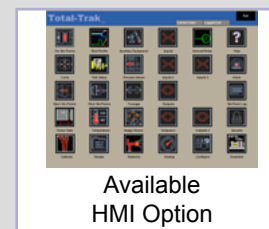
Bull Gear Die
Height Adjustment



Ductile
Iron Platens



Proportional
Hydraulics



Available
HMI Option



300 IPS
Max Shot Speed

HPM YM SERIES COLD CHAMBER DIE CASTING MACHINE YM 140 - 190 MT



Specifications

ITEMS	Units	YM-140	YM-180	YM-300	YM-400	YM-500	YM-650	YM-800	YM-900
Locking Force	MT	140	180	300	400	500	650	800	900
Die Stroke	Inch	13.5	15	18	21.5	22.5	26	30	30
Die Height (Min-Max)	Inch	7.5 x 19.5	7.5 x 23.5	9.5 x 27.5	11.5 x 29.5	13.5 x 33.0	13.5 x 35.0	15.5 x 37.0	15.5 x 37.0
Platen Size (HxV)	Inch	25.5 x 25.5	28.0 x 28.0	34.0 x 34.0	39.0 x 39.0	45.0 x 45.0	50.0 x 50.0	55.5 x 55.5	57.5 x 57.5
Tie Bar Spacing	Inch	16.5 x 16.5	18.5 x 18.5	22.0 x 22.0	25.5 x 25.5	29.5 x 29.5	33.0 x 33.0	36.5 x 36.5	37.5 x 37.5
Tie Bar Diameter	Inch	3	3.25	4.25	5	5.5	6.25	7	7.25
Injection Force	MT	20	28	32	37	45	54	64	70
Injection Stroke	Inch	12.5	13.75	16	20	22.725	25.5	29.75	29.75
Shot Tip Diameter	Inch	1.5 , 2.0	2.0 , 2.25	2.0 , 2.75	2.25 , 3.0	2.75 , 3.5	2.75 , 3.5	3.0 , 4.0	3.0 , 4.0
Injection Weight (Mg)	Lbs	1.1 , 1.7	1.9 , 2.8	2.2 , 4.4	4.1 , 7.4	6.3 , 10.8	6.3 , 10.8	11.2 , 17.4	11.2 , 17.4
Injection Weight (Al)	Lbs	1.5 , 2.4	2.6 , 3.9	3.3 , 6.3	5.9 , 10.5	9.0 , 15.2	9.0 , 15.2	11.2 , 17.4	11.2 , 17.4
Casting Pressure (Final)	PSI	23,060; 14,645	20,595; 14,355	23,640; 12,035	18,855; 10,585	16,820; 10,150	20,305; 12,180	18,560; 11,890	20,160; 12,905
Casting Area	sq in	13 , 21	19 , 27	28 , 55	47 , 83	66 , 109	71 , 118	96 , 149	99 , 156
Max. Casting Area	sq in	54	69	116	155	193	251	310	348
Shot Positions-Standard	Inch	0 , -4	0 , -4	0 , -4	0 , -6	0 , -6	0 , -6, -9	0 , -6, -9	0 , -6, -9
Tip Penetration	Inch	4.5	5.0	6.0	8.0	9.5	11.0	11.5	11.5
Casting Flange Diameter	Inch	4.3	4.3	4.7	5.2	5.9	6.5	7.9	7.9
Casting Flange Protrusion	Inch	0.4	0.4	0.6	0.6	0.6	0.6	0.8	0.8
Ejector Force	MT	9	10	15	18	24	30	36	36
Ejector Stroke	Inch	3.125	3.5	4.250	5.000	5.500	5.875	7.000	7.000
Motor Capacity	HP	20	20	30	30	50	50	60	60
System Working Pressure	PSI	2000	2000	2300	2300	2300	2300	2300	2300
Oil Tank Capacity	Gallons	110	135	160	215	265	265	320	400
Maching Weight	Lbs	12,125	14,110	24,250	33,070	55,120	68,345	88,185	110,230

HPM NORTH AMERICA reserves the right to make any product improvement or specification changes without prior notice. Product Photos are shown for reference only.