



HYDRO MECHANIK ENGINEERS

COMPRESSION MOULDING PRESSES

(For SMC, Rubber & Composites)



We **HYDRO MECHANIK ENGINEER** are manufacturer of deep draw hydraulic presses, compression molding pressed and SPM hydraulic presses employed in various sectors of industry. We are ISO 9001:2015 approved company and follow strict international parameters for designing and manufacturing of rugged and precise machinery installed in high production unit. HME Compression molding is one of the most cost-effective hot forming method for molding complex, high-strength fiber-reinforced plastics, metal alloys, composites, and rubber. The heating system is optional in between either electric, oil or steam heating. Our compression molding presses are used to produce an extensive variety of innovative automotive, aerospace, industrial, and consume products.

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SPECIFICATION

Factors to consider when choosing a vertical hydraulic press rubber molding machine include the clamping force, injection volume, shot size, and mold size compatibility:

MODEL		HME-50T	HME-65T	HME-80T	HME-100T	HME-150T	HME-200T	HME-300T	HME-400T	HME-700T
Clamping Force	Ton	50	65	80	100	150	200	300	400	700
Plate Size	mm	350 x 380	350 x 380	430 x 490	500 x 560	510 x 510	600 x 620	730 x 730	900 x 900	1200 x 1200
Piston Diameter	mm	180	200	230	270	310	355	430	500	660
Piston Stroke	mm	380	380	380	380	320 / 420	480	360 / 600	360 / 630	760
Space Between Tie Bar	mm	395 x 220	430 x 200	475 x 300	575 x 345	550 x 300	675 x 365	795 x 455	970 x 580	1360 x 800
Daylight Max	mm	500	500	500	550	550	650	700	750	1000
Oil Hydraulic System	HP	5	5	5	7.5	7.5	10	15	20	25
Platen Heating Capacity	kw	4.8	4.8	7.4	9.8	9.2	14.8	21	35.2	76
System Pressure	kg / cm ²	210	210	210	210	210	210	210	210	210
Oil Tank Capacity	liters	250	250	250	350	350	430	470	560	700

*Dimensions are as standard, subject to change by options or upon custom-made actual specifications are based on the finished products.

- High rapid motion speeds, short pressure buildup times and heavy guided movement of ram for better high-quality components.
- Controlled speed profiles in the press process for greater flexibility in component production.
- Press configuration with optimized deflection properties in order to achieve uniform wall thickness.
- Ease to operate.
- Workers and maintenance friendly.
- Option available for servo controlled press with digital control of pressure and stroke.
- Machine accuracy as per JISB6403 grade-1.
- Multiple operations can be programmed and accessed through HMI as per customers requirement.

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