



# HUMBOLDT

# Concrete Compression Machines

## HCM-2500 Series

- Perfect machine for labs, contractors and even mobile labs
- Accuracy of  $\pm 0.5\%$  of indicated load from 2,500–250,000 lbs. (11–1,112 kN)
- Choice of 3 digital load-indicating systems
- Quiet-running, continuous-duty hydraulic pump
- Supplied with platen set for 6" (150 mm) cylinders using unbonded or sulfur-capping method

The CM-2500 has all the features you look for in a basic compression testing machine: accuracy, compactness, portability, versatility, and dependability.

The load frame features a wrap-around box construction with each corner fully welded on both the inside and outside crosshead seams, providing the rugged stability needed for accurate and repeatable test results year after year.

The load frame is also protected with a unique baked-on, powder-coated painting process for a durable, long-lasting finish that keeps it looking good for years to come. The machine's eye-level digital indicator, loading-control valve, and hydraulic pump are positioned on the right side of the load frame for easy access, increasing productivity, and safer operation. Featuring superior rate-of load control, its unique quiet-running, continuous-duty hydraulic pump and pressure-compensated loading-control valve are manufactured to ISO 9001 international quality standards. Exceeds ASTM C39, E4 and AASHTO T22 specifications.

**Optional .75 hp motor available. Order optional stand HCM-0200, if desired.**



HCM-2500iD machine with optional floor stand.



HCM-2500i720 machine with optional floor stand.



HCM-0135 Cylinder Loading Shelf is available for use with HCM-2500 Series machines.



Choose from three Digital Load Indicators.

All machines feature, quiet-running, continuous-duty hydraulic pumps



# Compression Machines

## Humboldt Compression Machine Specifications

	HCM-2500	HCM-3000	HCM-4000	HCM-5000
<b>Maximum Compression Capacity</b>	250,000 lbs (1,112kN)	300,000 lbs (1,334kN)	400,000 lbs (1,780kN)	500,000 lbs (2,224kN)
<b>Vertical Opening</b>	19.375 in. (492mm)	18.5 in. (470mm)	18.375 in. (467mm)	18.375 in. (467mm)
<b>Horizontal Opening</b>	9.25 in. (235mm)	9.5 in. (241mm)	13.312 in. (338mm)	14 in. (356mm)
<b>Piston Stroke</b>	2.5 in (63.5mm)	3 in (76mm)	2.5 in (63.5mm)	2.5 in (63.5mm)
<b>Dimensions W x D x H (w/Opt. Stand)</b>	27 x 17 x 56.312 in. (686 x 432 x 1430mm)	31.5 x 17 x 58.8 in. (800 x 432 x 1486mm)	39.9 x 20 x 61.3 in. (1013 x 508 x 1556mm)	30 x 23.75 x 60.63 in. (762 x 603 x 1540mm)
<b>Lower Platen Dimensions</b>	33.2 sq in. (214 sq mm )	9 x 12 in. (229 x 305mm)	12 x 18 in. (305 x 457mm)	13 x 18 in. (330 x 457mm)
<b>Upper Platen Dimensions</b>	6.5 in. (165mm)	6.5 in. (165mm)	6.5 in. (165mm)	6.5 in. (165mm)
<b>Pump</b>	.5 hp* (.4kw)	.5 hp* (.4kw)	.75 hp (.6kw)	.75 hp (.6kw)
<b>Oil Reserve Capacity</b>	2 gallon (7.6 liter)	2 gallon (7.6 liter)	2 gallon (7.6 liter)	2 gallon (7.6 liter)
<b>Electrical Configuration</b>	110V 60Hz 220V 60Hz 220V 50Hz	110V 60Hz 220V 60Hz 220V 50Hz	110V 60Hz 220V 60Hz 220V 50Hz	110V 60Hz 220V 60Hz 220V 50Hz
<b>Shipping Weight</b>	780 lbs (353kg)	975 lbs (442kg)	1620 lbs (734kg)	2500 lbs (1134kg)

\*Optional .75 hp motor available.



HCM-3000



HCM-4000



HCM-5000



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