

Tiger Machine Company

CONCRETE PRODUCT MACHINES L & M SERIES

ECONOMICAL
& RELIABLE

The TIGER L & M Series concrete product making machines cover TIGER'S smallest machines. They are very simple to operate and have a very rugged design. They are built for a long operating life-cycle and flawless daily operation. Their great reliability is in part due to their unique design that makes operation, maintenance and repair simple and easy. They are one of the most affordable concrete product making machines in the world for their size and production capacity. With an extremely small footprint, they take very little room in your plant. They are a perfect entry level industrial production sized machine to get started in the concrete masonry products industry.

This Series of machines uses medium hydraulic pressures for safety. This feature also makes obtaining replacement hydraulic components easy, as they are readily available in most countries.

The L & M Series rely on a proven "mold vibration" design with a simple pair of counter-rotating mold vibrator shafts with counterweights that create the vibro-compacting force. Their compaction by vibration is very strong and it is provided by two vibrator motors sized especially for each model machine.

Their product pallet size and the power of these vibrating motors provide greater force per surface area of the products pallet than many other machines of comparable size in the market, thus producing high quality concrete masonry units. These machines allow for rapid mold change, which saves time and allows multiple mold changes per shift if required to make a variety of products.

This Series includes the model L-2, M-2, M-2J, M-3, and M-4. Each model is designed to suit the varying needs of growing small & medium sized plants.

All of these machines are available for 3 phase AC industrial, voltages of 200-210-220-380-440-460- & 480 Volts, and 50 Hz and 60 Hz varieties.

These machines can be set-up in a variety of automation levels, starting with a very simple manual offbearing plant (STAGE-1). They are upgradeable to be used with an automatic rack-loader and unloader system with hand, manual or semi-automatic cubing (STAGE-2). Finally they can be configured utilizing an automatic rack transfer system model RT-CR with semi-automatic or fully automatic cubing. The L & M Series are very versatile machines with great production capacity and value for their size.



M-4S

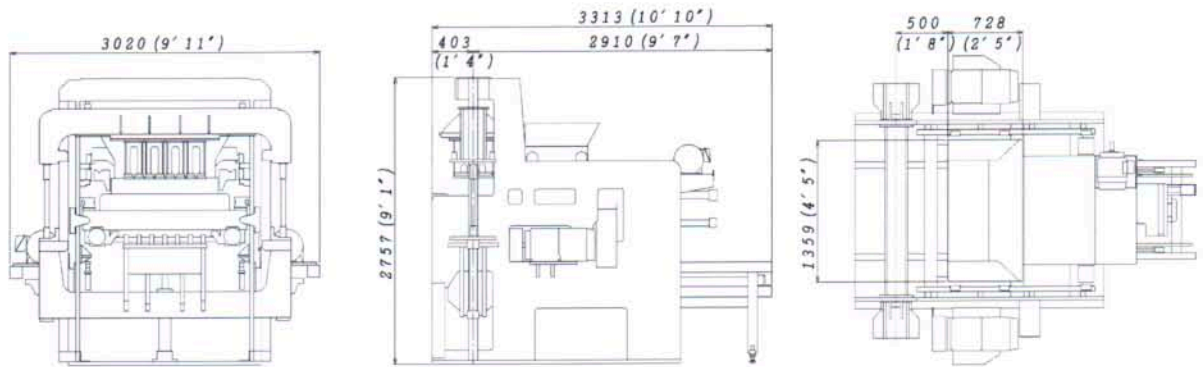


Leadership through innovation.

TIGER L & M SERIES SPECIFICATIONS & FEATURES

Please discuss your plant requirements with a TIGER representative. Our TIGER team of experts in the field of concrete product manufacturing are ready to assess your needs and provide the equipment that best suits your requirements. Let us help you identify the correct L or M Series machine to fit your product applications.

M-4



Download these and other TIGER technical specifications at www.tigermachine.com/resources

L & M Series Machines

Available with:	L-2	M-2J	M-2	M-3	M-4	M-4S
Offbearing hoist systems	OK	OK	OK	OK	OK	N/A
Rack loader & unloader systems	N/A	OK	OK	OK	OK	OK
Rack transfer systems (CR or RTS)	N/A	OK	OK	OK	OK	OK
Cuber Systems	N/A	OK	OK	OK	OK	OK
Features						
Vibrator motors - kW	3.7kW X 2 pcs.	3.7kW X pcs.	5.5kW X 2 pcs.	5.5 kW X 2 pcs.	7.5 kW X 2 pcs.	7.5 kW X 2 pcs.
Pump motor - kW	7.5 kW	11.0 kW	18.5 kW	22.0 kW	22.0 kW	22.0 kW
Hydraulic Pump - Liter per minute	70 liters	90 liters	120 liters	156 liters	156 liters	156 liters
Oil Cooling Fan/Heat exchange motor - kW	0.07 kW	0.14 kW	0.2 kW	0.07kW	0.07 kW	0.07 kW
Hydraulic oil reservoir/Tank - Liters	300 liters	370 liters	480 liters	450 liters	450 liters	450 liters
Recirculating pump motor - kW	0.25 kW	1.5 kW	1.5 kW	0.4 kW	0.4 kW	0.4 kW
Recirculating pump - Liters per minute	70	90	120	156	156	156
Hydraulic system pressure - MPa	6 MPa	7 MPa	12 MPa	9 MPa	9 MPa	9 pma
Rotary agitator motor size - kW	1.5 kW	1.5 kW	2.2 kW	3.7 kW	3.7 kW	5.5 kW
Capacity						
Steel pallet size - mm	430 x 470 x 8	430 x 470 x 8	500 x 470 x 8	660 x 470 x 8	940 x 470 x 12	940 x 520/660 x 12
Useable mold cavity - mm	410 x 450 x 60/215	410 x 450 x 60/215	480 x 450 x 60/215	650 x 450 x 60/215	920 x 450 x 60/250	920 x 500/640 x 60/215
Productivity						
Average dry cycle speed in seconds	7.2	6.8	4.9	6.7	6.7	7.0
Average wet cycles speed in seconds	13.0	12.5	9.0	11.0	11.0	13.0
Average cycles per minute	4.62	4.80	6.67	5.45	5.45	4.62
Concrete masonry units per cycle/pallet						
10 cm/4" block per cycle/pallet	4	4	4	6	9	9
12 cm/5" block per cycle/pallet	3	3	3	5	7	7
15 cm/6" block per cycle/pallet	2	2	3	4	6	6
20 cm/8" block per cycle/pallet	2	2	2	3	4	4
25 cm/10" block per cycle/pallet	1	1	1	2	3	3
30 cm/12" block per cycle/pallet	1	1	1	2	3	3
Holland-Stone pavers 10 x 20 cm	5	6	8	12	18	20
Dimensions & Weight						
Weight	3000 kg (6600 lbs)	3500 kg (7700 lbs)	4000 kg (8800 lbs)	5000 kg (11000 lbs)	6000 kg (13200 lbs)	6200 kg (13600 lbs)
Machine size (W x H x L) - mm	2230 x 2300 x 2460	2330 x 2410 x 2500	2400 x 2540 x 3100	2750 x 2800 x 3320	3100 x 2800 x 3320	3100 x 2800 x 3800
Machine size (W x H x L) - inches	88" x 91" x 97"	82" x 95" x 98"	95" x 100" x 122"	108" x 110" x 131"	122" x 110" x 131"	122" x 110" x 131"

JOIN THE CONCRETE REVOLUTION!

TIGER reserves the right to change, discontinue or improve product design and specifications without prior notice.



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