



Tiger Machine Company



SUPER-CUBER

TIGER EQUIPMENT **CUBERS** SOPHISTICATED AND RUGGED

TIGER manufactures the world's widest and most innovative, cubing, and packaging equipment in the industry. All equipment is available in a multiple configurations, formats and styles.

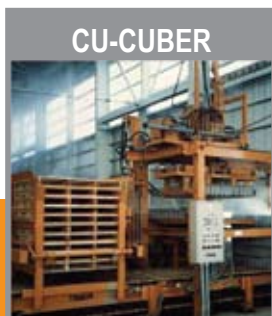
TIGER cubing systems take the dry/cured concrete products once removed from their curing chambers, and stack them into storage and transport cubes. The cubes can then optionally be delivered to a steel or plastic strapping/banding stations (vertical and/or horizontal), and/or to stretch/shrink wrapping stations prior to their delivery by the transport conveyors to a designated pick up area. These cubers range from a self supported overhead manual cubing clamp, to the more sophisticated large multi-format, multi-system cuber combination, that combines two (2) or more cubing systems to make a "Super-Cuber" capable of cubing/packaging any product. Most cubers can be set up in semi-automatic mode or in various fully automatic modes. Three (3) different Super Cuber models cover every possible product manufactured today.

TIGER offers five (5) basic cuber types (each available in different sizes and configurations as well as operating hands (LH & RH). These include our Series CC Cubers, CU cubers, CP Cubers, PP Cubers, and Super Cubers (SC). Each series uses a proven design specific to certain group of applications when manufacturing particular products.

The series CP cubers are slider carriage plate-type units (available with overhead side-feed with a raising pusher), with side guides and are set up for clamp floor-type pusher cubers with elevators. The CC is are available with a variety of pattern-maker and pre pattern-maker automation units. The series CC cubers are overhead-type large four (4) way clamp automatic cubers using a pull plate. The series CP cubers are traditional partially elevated combination push plate, overhead clamp cubers. The CP series cubers use segmented tier clamps with their own hydraulic cylinder respectively for each segment. The series PP cubers are fully elevated two (2) way tier clamp and pull plate combination cubers, that use a large turntable in most applications.

TIGER cubers are complemented by a series of single, double and triple push depalleters with or without turntables. They can be used with most TIGER handling systems and are designed to help achieve pattern formation faster and expedite productivity. In addition to those depalleters, TIGER offers a variety of automatic block turnover machines, cube wood pallet injectors, and cube wood & block pallet injectors.

At TIGER, we have the solutions to all your cubing needs!



CU-CUBER



PP-CUBER



CP-CUBER



CC-CUBER

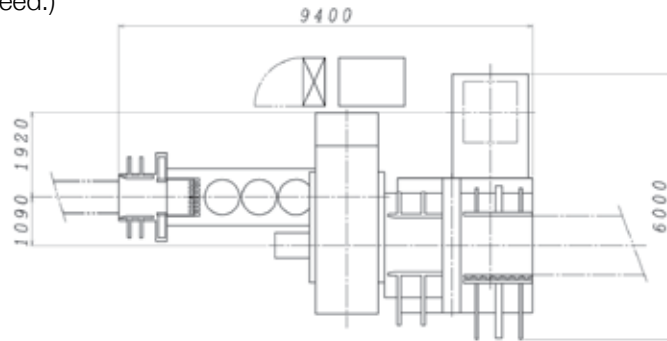


PALLET INJECTOR

Leadership through innovation.

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 cubing system to fit your product applications. Please note: Capacity of each model will be affected by other equipment speeds and cube tier patterns. (Equipment such as Patter-makers/Block-Turnovers, on-line splitting devices and others can affect fixed cuber speed.)

MODEL CP-54



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

CUBER MACHINES SPECIFICATIONS

General characteristics	SERIES CU		SERIES PP			SERIES CP		SERIES CC	SERIES SC
Cuber style	Overhead-clamp		Pull-plate			Carriage-plate		Overhead-Clamp w/Pull-plate	Combination
Sizes available									
48" x 48" (1.2 x 1.2 meters)	OK		OK			OK		OK	SC-1
48" x 54" (1.2 x 1.4 meters)	N/A		OK			OK		OK	SC-2
48" x 64" (1.2 x 1.6 meters)	N/A		OK			OK		OK	SC-3
Available configurations									
Semi-automatic operation	N/A		OK			OK		N/A	N/A
Fully-automatic operation	OK		Standard			Standard		Standard	Standard
Automated with 1 Turntable pattern-maker	OK		OK			OK		OK	OK
Automated with 3 Turntables pattern-maker	N/A		OK			OK		OK	OK
Automated with 4 Turntables pattern-maker	N/A		OK			OK		OK	OK
Features									
Pump motor - kW	7.5 kW	11 kW	7.5 kW	11 kW	18.5 kW	18.5 kW	30 kW	30kW x 2 pcs.	50kW x 2 pcs.
Hydraulic pump - Liters per minute	90 liters	126 liters	67.5 liters	125 liters	200 liters	113 liters	200 liters	160 liters x 2 sets	160 liters x 2 sets
Oil Cooling Fan/Heat exchanger motor - kW	0.05 kW	0.09 kW	0.05 kW	0.05 kW	0.2 kW	0.2kW	0.2 kW	0.4 kW	0.4 kW
Hydraulic oil reservoir/Tank - Liters	250 liters	290 liters	300 liters	300 liters	650 liters	390 liters	480 liters	900 liters	900 liters
Recirculating pump motor - kW	N/A	N/A	0.75 kW	1.5 kW	1.5 kW	1.5 kW	2.2 kW	2.2 kW	2.2 kW
Recirculating pump - Liters per minute	N/A	N/A	12 liters	24 liters	24 liters	24 liters	138 liters	138 liters	138 liters
Hydraulic system pressure - MPa	5 Mpa	5 Mpa	5 Mpa	5 Mpa	5 Mpa	8 Mpa	8 Mpa	10 Mpa	10 Mpa
Capacity									
Estimated 10 cm/4" block per hour	3600 pcs.	3600	2160 pcs.	3600 pcs.	5400 pcs.	3240 pcs.	4320 pcs.	5400 pcs.	8600 pcs.
Estimated 12 cm/5" block per hour	3000 pcs.	3000	1800 pcs.	3000 pcs.	4500 pcs.	2700 pcs.	3600 pcs.	4500 pcs.	7200 pcs.
Estimated 15 cm/6" block per hour	2400 pcs.	2400	1440 pcs.	2400 pcs.	3600 pcs.	2160 pcs.	2880 pcs.	3600 pcs.	5700 pcs.
Estimated 20 cm/8" block per hour	1800 pcs.	1800	1080 pcs.	1800 pcs.	2700 pcs.	1620 pcs.	2160 pcs.	2700 pcs.	4300 pcs.
Estimated 25 cm/10" block per hour	1500 pcs.	1500	900 pcs.	1500 pcs.	2250 pcs.	1350 pcs.	1800 pcs.	2250 pcs.	3600 pcs.
Estimated 30 cm/12" block per hour	1200 pcs.	1200	720 pcs.	1200 pcs.	1800 pcs.	1080 pcs.	1440 pcs.	1800 pcs.	2800 pcs.
Estimated Holland-Stone 10 x 20 cm pavers	N/A	N/A	4320 pcs.	7200 pcs.	10560 pcs.	5760 pcs.	5760 pcs.	16200 pcs.	19,000 pcs.
Minimum product height	100 mm	100 mm	60 mm	60 mm	60 mm	60 mm	60 mm	40 mm	30 mm
Maximum product height	215 mm	215 mm	215 mm	215 mm	215 mm	610 mm	610 mm	300 mm	300 mm
Options & available equipment									
2-way clamping (for overhead clamp cubers)	Hydraulic	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-way clamping (for overhead clamp cubers)	N/A	Hydraulic	N/A	N/A	N/A	N/A	N/A	Hydraulic	Hydraulic
Wood pallet injector	OK	OK	OK	OK	OK	OK	OK	OK	OK
Block & wood pallet injector	N/A	N/A	OK	OK	OK	OK	OK	OK	OK
Dimensions & Weight									
Weight	2700 kg	2800 kg	10000 kg	10000 kg	10000 kg	16000 kg	18000 kg	20,000 kg	20,500 kg
Machine size (Width x Length x Height) - mm	6300 x 4560 x 4900	6300 x 4560 x 4900	6430 x 8000 x 2550	6430 x 8000 x 2550	6430 x 8000 x 2550	6500 x 7500 x 3850	6500 x 7500 x 3850	3100 x 7800 x 5300	Variable
Machine size (Width x Length x Height) - inches	248" x 180" x 193"	248" x 180" x 193"	248" x 315" x 101"	248" x 315" x 101"	248" x 315" x 101"	256" x 296" x 152"	256" x 296" x 152"	122" x 307" x 209"	Variable

JOIN THE CONCRETE REVOLUTION

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



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