



Tiger Machine Company

TIGER EQUIPMENT

CUBERS

SOPHISTICATED YET RUGGED

TIGER manufactures the world's most innovative and wide line of concrete masonry, cubing, and packaging equipment in the industry. All equipment is available in a variety of configurations, formats and styles. TIGER manufactures not only one type of cubing system, but multiple cubing and packaging systems.

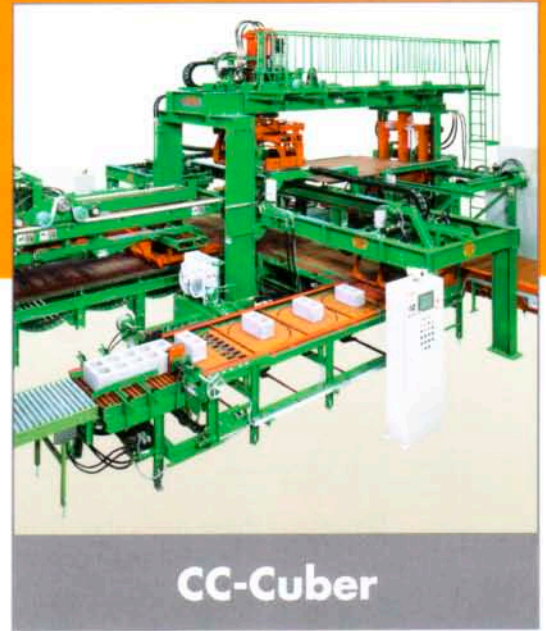
TIGER cubing systems take the dry/cured concrete products - once removed from their curing chambers -, and stack them into storage and transport cubes. The cubes can then optionally be delivered to a steel or plastic strapping/banding, and/or stretch/shrink wrapping station(s) prior to their delivery by transport conveyors to a designated pick up area; where normally the cubes are taken to the storage yard and/or to delivery trucks.

TIGER cubers can be as simple as a self supported overhead manual cubing clamp, or as sophisticated as a large multi-format, multi-system cuber combination, that combines two (2) or more cubing systems of different types together to make a "Super-Cuber" capable of cubing/packaging any product. Each cuber can be set up in semi-automatic or various fully automatic modes.

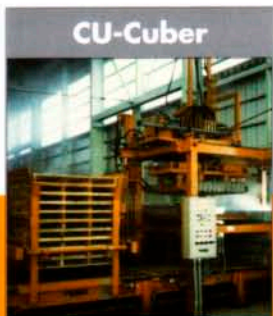
From the manual cubing clamp to the Super-Cuber, TIGER offers four (4) basic cuber types (each available in different sizes and configurations as well as operating hands -LH & RH-). These cuber types are: Series CC Cubers, CU cubers, CP Cubers and series PP Cubers. Each series uses a proven design specific to certain group of applications when manufacturing certain products such as retaining wall units and paving stone units and/or standard concrete masonry block & brick. Most TIGER cubers can handle 80% commonality of products.

The series CP cubers are slider carriage plate (available with overhead side-feed with raising pusher) with side guides and clamps floor type pusher cubers with elevators. The CC series 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 utilize segmented tier clamps which use 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.

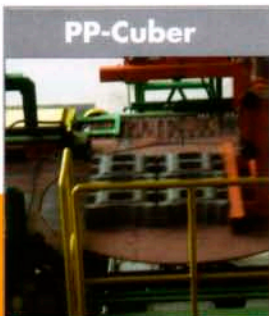
TIGER cubers are complemented by a series of single, double and triple push depalleters with our without turntables available for use with most TIGER handling systems and designed to help the cubers achieve pattern formation faster and expedite productivity. In addition to those depalleters, TIGER offers 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 needs!**



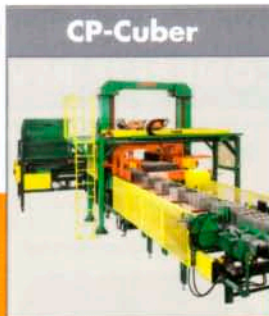
CC-Cuber



CU-Cuber



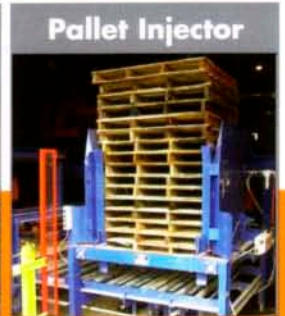
PP-Cuber



CP-Cuber



CC-Cuber

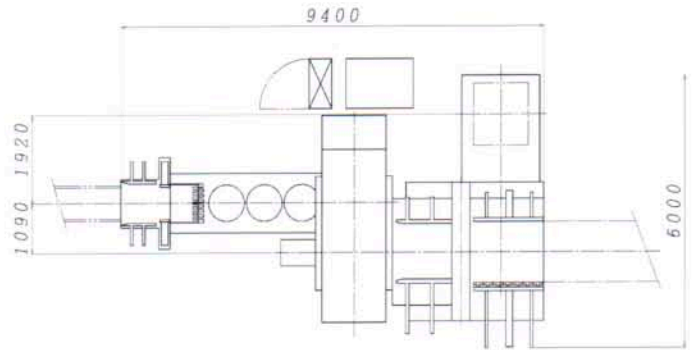


Pallet Injector

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 cuber machine to fit your product applications.

MODEL CP-54



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

Cuber Machines

General characteristics	Series CU		Series PP			Series CP		Series CC
Cuber style	Overhead-clamp		Pull-plate			Carriage-plate		Overhead-clamp
Sizes available								
48" x 48" (1.2 x 1.2 meters)	OK		OK			OK		OK
48" x 54" (1.2 x 1.4 meters)	N/A		OK			OK		OK
48" x 64" (1.2 x 1.6 meters)	N/A		OK			OK		OK
Available configurations								
Semi-automatic operation	N/A		OK			OK		OK
Fully-automatic operation	OK		Standard			Standard		Standard
Automated with 1 Turnable pattern-maker	OK		OK			OK		OK
Automated with 3 Turnable pattern-maker	N/A		OK			OK		OK
Automated with 4 Turnable pattern-maker	N/A		OK			OK		OK
Features	CU-2W	CU-4W	PP-LS	PP	PP-HS	CP-SA	CP	CC
Pump motor -kW	7.5 kW	11 kW	7.5 kW	11 kW	18.5 kW	18.5 kW	30 kW	30 kW x 2pcs.
Hydraulic pump -liters per minute	90 liters	126 liters	67.5 liters	125 liters	200 liters	113 liters	200 liters	160 liters x 2sets
Oil Cooling Fan/Heat exchanger motor - kW	0.05 kW	0.09 kW	0.05 kW	0.05 kW	0.2 kW	0.2 kW	0.2 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
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
Recirculating pump - liters per minute	N/A	N/A	12 liters	24 liters	23 liters	24 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
Capacity								
Estimated 10 cm/4" block per hour	3600 pcs.	3600 pcs.	2160 pcs.	3600 pcs.	5400 pcs.	3240 pcs.	4320 pcs.	5400 pcs.
Estimated 12 cm/5" block per hour	3000 pcs.	3000 pcs.	1800 pcs.	3000 pcs.	4500 pcs.	2700 pcs.	3600 pcs.	4500 pcs.
Estimated 15 cm/4" block per hour	2400 pcs.	2400 pcs.	1440 pcs.	2400 pcs.	3600 pcs.	2160 pcs.	2880 pcs.	3600 pcs.
Estimated 20 cm/4" block per hour	1800 pcs.	1800 pcs.	1080 pcs.	1800 pcs.	2700 pcs.	1620 pcs.	2160 pcs.	2700 pcs.
Estimated 25 cm/4" block per hour	1500 pcs.	1500 pcs.	900 pcs.	1500 pcs.	2250 pcs.	1350 pcs.	1800 pcs.	2250 pcs.
Estimated 30 cm/4" block per hour	1200 pcs.	1200 pcs.	720 pcs.	1200 pcs.	1800 pcs.	1080 pcs.	1440 pcs.	1800 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.
Minimum product height	100 mm	100 mm	60 mm	60 mm	60 mm	60 mm	60 mm	40 mm
Maximum product height	215 mm	215 mm	215 mm	215 mm	215 mm	610 mm	610 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
4-way clamping (for overhead clamp cubers)	N/A	Hydraulic	N/A	N/A	N/A	N/A	N/A	Hydraulic
Wood pallet injector	OK	OK	OK	OK	OK	OK	OK	OK
Block & wood pallet injector	N/A	N/A	OK	OK	OK	OK	OK	OK
Dimensions & Weight								
Weight	2700 kg	2800 kg	10000 kg	10000 kg	10000 kg	16000 kg	18000 kg	15000 kg
Machine size (W x Hx L) - 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
Machine size (W x Hx L) - 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"

JOIN THE CONCRETE REVOLUTION!

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

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