

DOMAT[®]

CONCRETE MACHINERY





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¿WHO ARE WE?

Domat SAS, is a Colombian company founded in 2007. Our goal is to provide new solutions in equipment and technological developments, in the construction industry, enhancing productivity and efficiency in all our projects. Our base is an engineering team with a broad experience to face on a day to day new challenges, looking for to be a distinctive company with a high engagement in our community.

¿WHAT DO WE DO?

We are specialized in designing, construction, selling, maintenance, renting and starting up machinery and equipment in the to construction industry, giving solutions to satisfy the actual demands.

¿WHY SHOULD YOU CHOOSE US?

- ✓ We are innovative.
- ✓ We give you a complete support.
- ✓ We have more than 15 years' experience.
- ✓ We offer solutions to a changing market.
- ✓ We are specialized in equipment for the to construction Industry.
- ✓ We have highly qualified team.
- ✓ We are working on a daily basis to be a distinctive company.



DOMAT[®]

01

DM, DMP, DMW SERIES CONCRETE MIXER PLANTS

Mobile equipment with high concrete production capacity, they are suitable to dose and mix concrete on site with different production rates and mixer type. The DMP series are compact concrete plants designed to operate in different civil work sites that requires quality, low cost concrete and high Benefit- Cost Ratio (BCR).

DM SERIES

Production Capacity yd ³ /h (m ³ /h)		Model with Turbo Mixer	Model with Planetary Mixer
13	(10)	DM Basic III	NA
19	(15)	DM Small	DM 500
32	(25)	DM Standard	DM 900
39	(30)	DM Special	DM 1200

ADVANTAGE

Strong mechanical design and built excellent quality materials, making them reliable and low maintenance cost machinery.



***DUAL EQUIPMENT**

* Available version in all our concrete batching mixing plants

General Features

- » Strong mechanical design.
 - » Vertical axis and planetary mixers.
 - » Built with high quality materials.
 - » Low maintenance.
 - » Easy conveying and quick installation (mobile axis).
 - » Reliable and easy operation.
- » Screwable inner covering plates in mixer drum. They're easy to change.
 - » Optionally, they work with four aggregates concrete mixes, DUAL SERIES



DMP SERIES

Production Capacity yd ³ /h (m ³ /h)		Model with Turbo Mixer	Model with Planetary Mixer
19	(15)	DMP 15	NA
26	(20)	DMP 20	DMP 500
39	(30)	DMP 30	DMP 900
52	(40)	DMP 40	DMP 1200



DMW SERIES

Production Capacity yd ³ /h (m ³ /h)		Model with Turbo Mixer	Model with Planetary Mixer
23	(18)	DMW 18	NA
32	(25)	DMW 25	DMW 500
48	(37)	DMW 37	DMW 900
65	(50)	DMW 50	DMW 1200

03 DMA, DMPS SERIES CONCRETE MIXERS

DMA SERIES

Mobile machinery to dose and mix concrete to be loaded at high height. DMA series are compact machines, designed to operate in different kind of civil work that requires quality and low cost concrete with high operative flexibility.



DMA SERIES

Production Capacity yd ³ /h (m ³ /h)		Model with Turbo Mixer	Model with Planetary Mixer
65	(50)	DMA 50	DMA 1200
78	(60)	DMA 60	DMA 1500
98	(75)	DMA 75	DMA 1800

DMPS SERIES

Mobile and compact equipment with broad concrete production capacities. DMPS series is designed to be quickly installed at minimum foundations. They're easy to carry and can be used considering to make concrete mixes in different civil work sites.

DMPS SERIES

Production Capacity yd ³ /h (m ³ /h)		Model with Turbo Mixer	Model with Planetary Mixer
26	(20)	DMPS 20	DMPS 600
39	(30)	DMPS 30	DMPS 900
52	(40)	DMPS 40	DMPS 1200





TURBO MIXERS

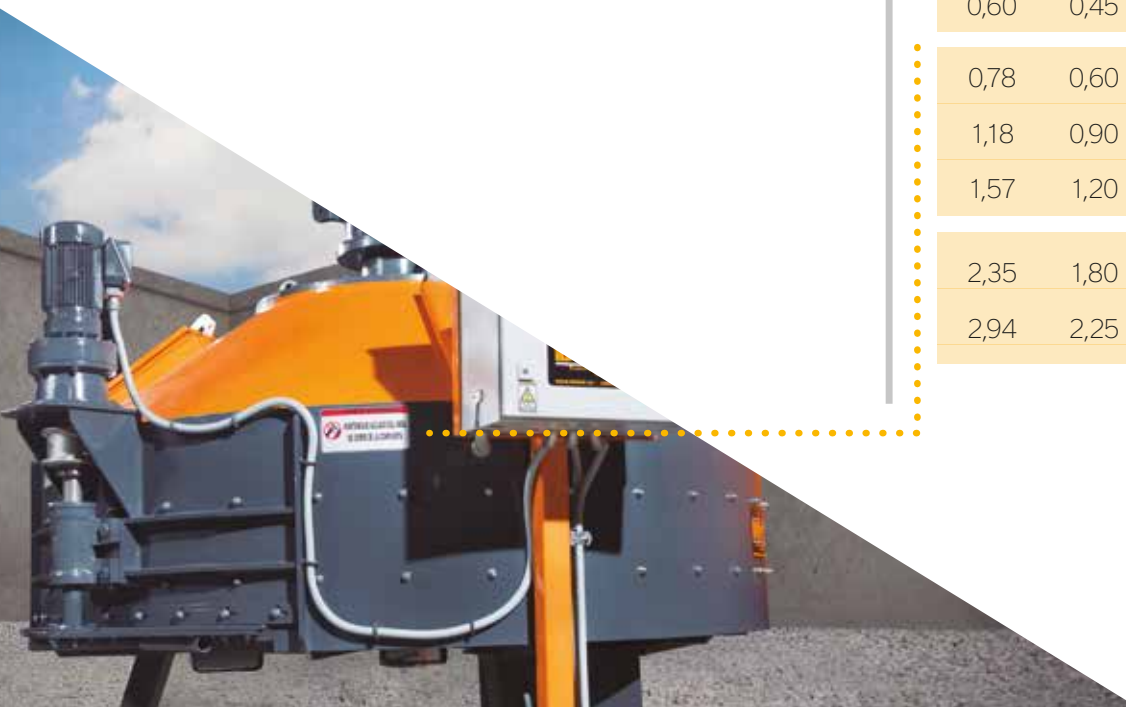
Capacity	
yd ³	(m ³)
0,43	0,33
0,65	0,50
0,98	0,75
1,31	1
1,63	1,25
1,96	1,50

DOMAT mixers blend easily solids and liquids products to get homogeneity, regardless of the particle size distribution or specific weight of materials to be mixed.

Accessories are assembled over mixer drum coupling it to a gear reducer. This configuration system let paddles, floor and wall covering plates to be installed easily. Mixer paddles can be quickly replaced.

PLANETARY MIXERS

Capacity		Features
yd ³	(m ³)	
0,43	0,33	<ul style="list-style-type: none"> • One star • Three mixing paddles • Scrape paddle
0,60	0,45	
0,78	0,60	<ul style="list-style-type: none"> • One star • Three mixing paddles • Scrape paddle • Evacuation paddle
1,18	0,90	
1,57	1,20	
2,35	1,80	<ul style="list-style-type: none"> • Two stars • Six mixing paddles • Scrape paddle • Evacuation paddle
2,94	2,25	



05 STATIONARY DOSIFIERS

STATIONARY DPE SERIES

Stationary machinery that dose concrete blends in mixer trucks with a sturdy and reliable project logistics. DPE series are designed to operate in different kind of civil works where concrete mixes are made permanently, or for long duration projects that require bigger concrete production rates.

Available with optional mixer module.



DMPE SERIES

Production Capacity yd ³ /h (m ³ /h)		Model	Aggregate Hoppers	Mixer
78	(60)	DMPE 60	2 - 3 - 4	1.25 m ³
104	(80)	DMPE 80	2 - 3 - 4	1.5 m ³
130	(100)	DMPE 100	2 - 3 - 4	2 m ³
156	(120)	DMPE 120	2 - 3 - 4	2.5 m ³



DPE SERIES

Production Capacity yd ³ /h (m ³ /h)		Model	Aggregate Hoppers	Mixer Capacity yd ³ (m ³)
78	(60)	DPE 60	2 - 3 - 4	1,96 (1,5)
104	(80)	DPE 80	2 - 3 - 4	2,35 (1,8)

MOBILE DOSIFIERS 06

DP, DT SERIES

Mobile equipment that dose concrete blends to a mixer truck supplying a high performance in each civil work. To ease work, operation and installation. DP and DT series are compact machines designed to operate in different kind of civil works, minimizing logistic costs. They are planned to be installed in different places to work temporally.

DP SERIES

Production Capacity yd ³ /h (m ³ /h)	Model	Aggregate Hoppers
39 (30)	DP 30	2
58 (45)	DP 45	2
78 (60)	DP 60	2 or 3
104 (80)	DP 80	2 or 3



DT SERIES

Production Capacity yd ³ /h (m ³ /h)	Model	Aggregate Hoppers
78 (60)	DT 60	3
104 (80)	DT 80	3



07 SELF-SUPPORTING SILOS

The self-supporting vertical silos are designed to be raised by a conventional truck crane without a concrete foundation requirement thanks to its self-supporting base.

Our silos comply with standards to be transported in platform or low bed trailers.

SELF-SUPPORTING SILOS

Capacity
yd³ (m³)

39 30

52 40

65 50



MOBILE SILOS

DOMAT silos are built thinking in different kind of places where they will be used and to ease installation. Standard silos and exportation type silos or dis-assembly type have different storage capacities. We offer a diversity in this kind of products.

WELDED VERTICAL SILOS

Capacity
yd³ (m³)

39 30

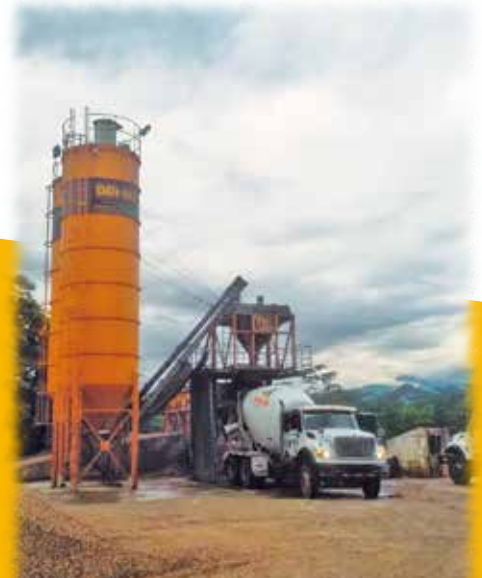
52 40

65 50

100 77

120 92

140 107



VERTICAL WELDED SILOS

Steel vertical silos are used to cement storage, they're provided with security accessories and complementary dispositive.

DETACHABLE SILOS

DOMAT detachable silos are made to cement storage, they're designed and built to isolate cement from moisture and contaminant elements. They have different storage capacities and can be provided with elements to ease its raise in civil work and reduce time onsite installation.

HORIZONTAL SILOS

Capacity	
yd ³	(m ³)
65	50
92	70

MINI SILOS

Capacity	
yd ³	(m ³)
5,6	4,3
7,6	5,8

DETACHABLE VERTICAL SILOS

Capacity	
yd ³	(m ³)
22	17
40,5	31
60	46
78	60
97	74

HORIZONTAL SILOS

Horizontal mobile and stationary silos to storage cement, they are provided with security accessories and complementary dispositive. Storage capacities available, 50 and 70 m³.

They comply with standards to be transported in semi-trailer, they could be delivered empty or filled with cement to operation place. They requires a simple civil foundation to be onsite installed.



09 AUTOMATIC CONTROL SYSTEMS TO CONCRETE PRODUCTION

Developed with a PL SIEMENS S7 with a Windows PC user interface. It manage concrete mix dosing process complying with industrial standards, to get an efficient inventory of all the materials to be used in each concrete batch; also an accurate and complete concrete plant production record.

Software re-estimate concrete mix ratios taking in account ambient humidity and aggregate water absorption. Information about concrete production could be printed automatically in each cycle, also recorded in a database identified by name, date, hour and dosing values.

DOSIMAT D200



DOSIMAT D200L



AUTOMATIC CONTROL SYSTEMS

D200

Eight aggregates could be dosed with a scale for weight by adding or subtracting mode.

Also three kind of cements could be dosed with a scale for weight by adding or subtracting mode. Pulse water flow readings as percent of initial or final dosing selection respect to concrete mix slump.

Pulse inputs to automatic control four dose units of liquid additive admixtures.

Automatic control is installed in a control cabinet with a SSD Industrial Computer, display, keyboard, lighting, writing surface, operator chair and split air-conditioning unit type.

D200L

Two aggregates dosed with scale for weight.

Two kind of cements could be dosed with a scale for weight.

Pulse inputs to control two dose units of liquid additive admixtures

Installed directly on equipment. Control is made on touch screen display.



CONCRETE BOOM PLACER

Concrete boom placer are designed to ease concrete mix conveying in civil work, optimizing conveying time and conventional tubes displacements, maintaining one point of fix line and crane distribution to 69' (21 m) height in three sections in Spider version. It reduces concrete mix conveying cost, ease operation and reduce conveying time.

FEATURES

M SERIES

Three arms hydraulic installation crane.

High resistance special steel alloy.

Ease assembly and dis-assembly with divided frame.

Safe and comfortable use with advanced hydraulic proportional control system.

SERIES

Three arms integrated crane.

Wireless remote Control System.

Propulsion system 4x4.

Nearby and perfect location to supplying area.

SPIDER SERIES

Crane and frame can be lifted and transported in independent way.

Boom turns infinitely using the exclusive central rotational system.

Divided system helps to disassembly. Limited crane load capacity.

Crane and frame can be lifted and transported in independent way.

ADVANTAGE

- » Boom turns infinitely using central rotation.
- » Crane and frame can be lifted and move separately.
- » Divided simplified system makes possible disassembly of the crane unit easily.
- » When load crane capacity is limited, crane and frame can be lifted and moved separately.
- » Lightest and strong concrete boom in its class thanks to its unusual structure.
- » Ideal solution to place concrete mix in tall buildings structures.
- » Easy to clean and maintenance.
- » HBC remote control radio from Germany.

11 DUMPER 4X4 – MINI DUMPER

CONCRETE MIX CONVEYING DUMPER

Articulate frame dumpers ideal for conveying materials in jobs sites with reduced spaces and swampy terrains.

Capacities, 2500 and 3000 Kg with low or high 4,92' (1500 mm) unloading options.



MIXER TRUCK DRUM

DOMAT mixer truck drums comply with high building standards bringing an optimal mix and concrete mix delivering. It is made with so high quality materials from top companies, it contributes to concrete mix homogeneity.

These equipment are designed to be lighter with high durability when used in different kind of concretes. Volume capacities drums from 9 to 13 yd³ (7 to 10 m³) to be installed on the frames that you choose, complying with standards in safety and to be used in different kind of projects.

General features

- » Bin capacity, 1,96 yd³ (1,5 m³).
- » Front hydraulic unloading and 3000 Kg useful load capacity.
- » Empty weight, 1500 Kg.
- » Maximum displacement speed 25 Km/h.
- » Mechanical transmission by cardan shaft with four forward and backward speeds. Four-wheel drive with 10.0 / 75 – 15,3 tires.
- » DIESEL MOTOR LOMBARDINI /HATZ electric start from 23 to 28.5 HP (17 to 21kW).

MINI DUMPER LOADER

This system is designed to transport materials in job sites, counting with an integrated system. They are used to transport equipment and unloading it in an easy and effective way.

General Features

- » Strong and robust design.
- » Wheels can be used in uneven terrains. Volume capacity 1 m³.
- » Mini dumper loader bin easy to install and to interchange.
- » Compatible with different dumper brands.





CRANE BIN

We have a broad choice of crane bins for concrete mix conveying with vertical, lateral and combined unload. Volume capacities from 0,4 to 2,6 yd³ (0,33 to 2 m³) of concrete mix, Unload mechanism with minimum handling.

SCREW CONVEYOR

Screw conveyors are made to be used transport of materials like cement. A steel tube with at least one inlet and output spout, an helical spiral welded to an axis with intermediate supports related to the screw conveyor total length.



OPTIONAL EQUIPMENT

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OPTIONAL EQUIPMENT AND ACCESSORIES TO CONCRETE MIX PLANTS

Moisture sensors, dose unit liquid additive admixture, cement screw conveyor with 6", 8" and 10" diam., belt conveyor with the slope and length that your application will require.

CONCRETE BELT CONVEYOR TO LOAD MIXER TRUCK



DOMAT CONCRETE STATIONARY PUMP

DOMAT brand stationary concrete pumps with a broad flow rate capacities and pressure supply. They are optimum to pump and throw concrete and grout. A high capacity cement bin and pumping capacities that answer to the concrete industry market demands. Pumps could be installed on trailers. Spare parts with stock and excellent after-sales service.



General Features

- » High performance and pumping capacity.
- » Diesel motor, Deutz, 75 HP; or electric option SIEMENS , 50 HP.
- » Bin volume capacity, 0,6 m³.
- » Available to be installed on trailer.
- » Pumping capacities from 52 to 104 yd³/h (40 to 80 m³/h).

SPECIAL EQUIPMENT

DOMAT from its Innovation and Development Center is full capable to design equipment and industrial plant installations that our customers specific requirements . Therefore, our engineering team with a broad knowledge in concrete industry is fully available to the construction industry and the best technological tools to successfully carry out new challenges.

Our special equipments portfolio:

- » Cement mortar and cement special mixes plants.
- » Glue making plants.
- » Concrete covering product making plants.
- » Clay break down equipment.



TEAM I&D



DOMAT CONCRETE STATIONARY PUMP

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PERFORMANCE	CP 40D		CP 40E	
Max. Capacity	52 yd ³ /h	(40 m ³ /h)	52 yd ³ /h	(40 m ³ /h)
Max. Agregate Particle Size	1,5 "	(38 mm)	1,5 "	(38 mm)
FEATURES				
Cylinders	7" x 3,9"	(180 x 1100 mm)	7" x 3,9"	(180 x 1100 mm)
Max. Piston Strokes	28 RPM	(28 RPM)	28	(28 RPM)
Bin Height	4,9'	(1,5 m)	4,9'	(1,5 m)
Bin Capacity	0,78 yd ³	(0,6 m ³)	0,78 yd ³	(0,6 m ³)
Outlet diameter	4,92"	(125 mm)	4,92"	(125 mm)
Vert. Pumping Height (aprox.)	328'	(100 mm)	328'	(100 mm)
Hor. Pumping Scope (aprox.)	574'	(175 mm)	574'	(175 mm)
ENGINE				
Engine Brand	Deutz		Weg	
Power	75 HP	(55 kW)	50 HP	(37 kW)
Hydraulic Pump Brand	Kawasaki		Kawasaki	
TRAILER				
Axle Type	Simple		Simple	
Axle Load Capacity	7000 lb	(3175 Kg)	7000 lb	(3175 Kg)
TIRES				
Stabilizers	Hand Control		Hand Control	
DIMENSIONS				
Lenght	14,4'	(4386 mm)	14,4'	(4386 mm)
Width	5,9'	(1788 mm)	5,9'	(1788 mm)
Hight	5,9'	(1789 mm)	5,9'	(1789 mm)
Aprox. Weight	7275 lb	(3300 Kg)	7100 lb	(3220 Kg)



AFTER SALES TECHNICAL SERVICE

STARTING UP MACHINERY AND INDUSTRIAL PLANTS ASSEMBLY

DOMAT offers an assistance for specialized technical service to the industrial plants assembly and dis-assembly and starting up machinery and equipment related to the concrete production. Associated concrete services maintenance an excellent service with guarantee covering the equipment.

CONCRETE PLANT BUILDING

DOMAT is counting with a specialized building process of our concrete plant parts and spare, which are made of special steel allowing wear resistant. We count with modern cutting, construction, assembly to handle the right tools; we are part of Hardox Wearparts.

MAINTENANCE

In DOMAT, we care the right performance of our customer concrete plants, therefore we counting with predictive and corrective maintenance programs that guarantees the right operative conditions and extension of the machinery useful life.

- Predictive maintenance service do equipment diagnose, exchange of electrical and mechanical components due wear. We do preventive maintenance services, routine inspection of concrete plant machinery and concrete mix conveying associated services.
- Preventive maintenance services for our Cyclo® gear reducers.
- Corrective maintenances services, exchange of electromechanical parts and wear steel spare parts, metalmechanical service assistance.
- Verification of the system calibration with certified weights.
- Equipment and process automate systems.
- Remote support and software update.



WE HAVE PRESENT IN 15 COUNTRIES

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