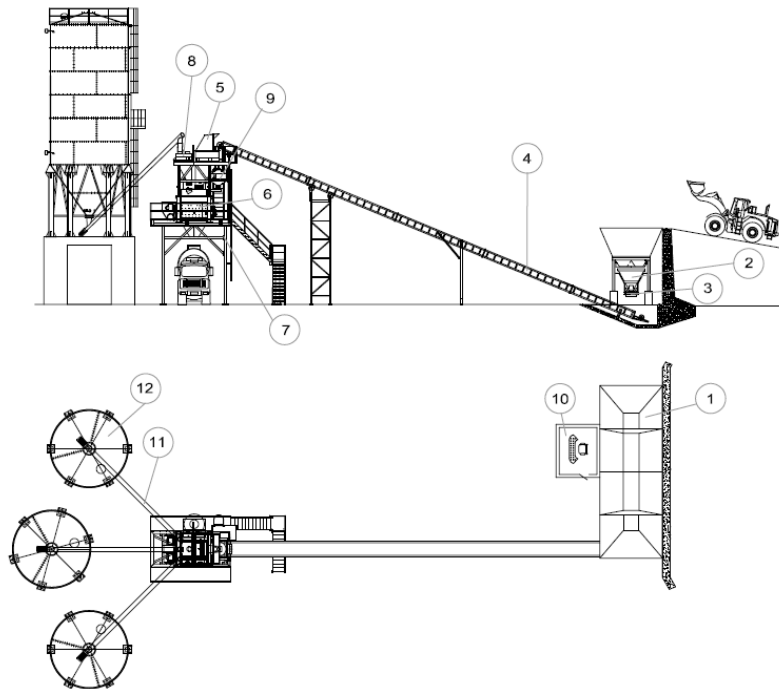


# MEV CASTORO-4 WET

Concrete Batching Plant – Made in Italy

Max production  
40 m<sup>3</sup>/h



## Specifications:

Pos.	Qty	Description
1	1	High capacity aggregates hopper made in premium metal sheet made in Italy, with 4 bins, for a total of ~ 70 m <sup>3</sup> with heaps, with 4 double gates operated by pneumatic shock absorbing double acting pistons ( <i>brand Diottalevi, Italy</i> ), with on electric vibrator with adjustable masses, installed in the sand bin, mounted on a separate plate to maximise vibration and reduce metal fatigue in the bin structure ( <i>brand Oli, Italy</i> ); thickness of the metal sheet 8mm. Dimensions 10.000mm lengths and 3.400mm. Complete with metal up walls, thickness 4mm.
2	1	Batching hopper with volume approx. 10 m <sup>3</sup> , weighing on 4 stainless steel load cells weighting scales up to 10.000 kg, one electrical vibrating plate into the hopper on the sand side. Metal thickness 5mm, with antiwear metal covering.

3	1	Out-feed conveyor belt with triple rollers ( <i>brand Dugomrulli, Italy</i> ) in 3 ply rubber ( <i>brand Gummilabor, Italy</i> ) mm 600x8.000, with 7.5 kW gear motor ( <i>brand Rossi Spa, Italy</i> ). With head drum ( <i>brand Mev, Italy</i> ) ø 320mm
	1	Compressor ( <i>brand Fini, Italy</i> ) with 4 kW engine, 100 l tank, air intake 500 l/min, complete with pressure switch, lubrication line and air dehumidification.

Pos.	Qty	Description
4	1	30° inclined Chevron type conveyor belt for mixer loading, mm 800x17.000, 18.5 kW gear motor, rollers brand <i>Dugomrulli, Italy</i> . With reinforced metal structure.
5	1	Aggregate waiting hopper, capacity approx. 2.5 m <sup>3</sup> , with 4 stainless steel loading cells, weighting capacity up to 3.000kg, with sensor to detect the presence of aggregates, discharge through pneumatic opening
6	1	SICOMA twin-shaft mixer, 1.5 m <sup>3</sup> volumetric capacity, <b>1.0 m<sup>3</sup></b> output of vibrated concrete (40 cycles/h, one cycle each 90 sec.), 30 kW gear motor, 2 Hp hydraulic unit power, automatic lubrication system, complete with anti dust air bag. Shaft 140x140mm with bolted arm, internal coating in Ni-Hard. For a production of the plant of maximum 40 m <sup>3</sup> /h
		
7	1	Mixer supporting structure, with platform, stair and guards, height of discharge: 4,1 m. Single discharge cone thickness 6mm.
8	1	Cement batching hopper 1 m <sup>3</sup> capacity, located above the mixer, weighing system on 4 stainless steel load cells, weighting capacity up to 3.000kg, complete with vibrator and outgo butterfly valve with motor gear.
9	1	Water batching by weight, on 4 stainless steel load cells, weighting capacity up to 1.000kg, tank capacity 300 l, located above the mixer.
	1	Centrifugal water pump 1.000 l/min, with electric system and 2" valve.
	2	Chemical additive batching by weight, with 30 l cylinder and load cell for each additive, included electrical bidirectional pump, electro-pneumatic ball-valve, 24Vac, no-return valve, taps, inlet and outlet connectors for additives
	1	SENSOR HUMIDITY MICROWAVE type complete mounting flange and 6-wire connection. Suitable for the measurement in hoppers and UNIVERSAL for sand or gravel. Detection range 0-20%, 24Vdc power supply, analogue output 0-10Vdc.
	1	<b>ELECTRIC SWITCHBOARD</b> , metallic box, lectern type, with instruments shelves, (color synoptic and control board with SYMBOLS),

	<p>commands and signals for MANUAL and AUTOMATIC operation of the specified concrete line.</p> <p>Built according to the current EUROPEAN 2014/35/UE and EMC 2014/30/UE directives and related references. (CE certified).</p>
1	<p><b>GENYX/TL-100 system:</b> Personal Computer IBM compatible, automation software CD-ROM and user's license, Tele mechanical PLC with protected software for AUTOMATIC, SEMI-AUTOMATIC and MANUAL control of concrete batching plant with MIXER, aggregates stand-by hopper: 4 AGGREGATES by weight, 2 CEMENTS by weight, 1 WATER by volume, 2 ADDITIVES batched by LPM systems or by weight, 2 AGGREGATES MOISTURE (from sensors or manually input), including DELIVERY NOTES printing (UNI norms) and raw materials/production counter. Including PC and laser printer.</p>

### Optional extras:

Pos.	Qty	Description
10	1	Insulated operator cabin with lockable door and windows
11	1	Screw conveyor Ø 273 x 10.000 mm from silo to batching hopper.
12	1	Telescopic cement silo 50t (2 silos fit in one truck or in one 40' container), complete with legs, butterfly valve and minimum level display.
	1	High pressure manual water gun for mixer cleaning
	1	SICOMA twin-shaft mixer, 2.25 m <sup>3</sup> volumetric capacity, <b>1.5 m<sup>3</sup></b> output of vibrated concrete (40 cycles/h, one cycle each 90 sec.), 45 kW gear motor, 2 Hp hydraulic unit power, automatic lubrication system, complete with anti dust air bag. Shaft 140x140mm with bolted arm, internal coating in Ni-Hard. For a production of the plant of <b>60 m<sup>3</sup>/h</b> instead of 40 m <sup>3</sup> /h
	1	SICOMA twin-shaft mixer, 3.0 m <sup>3</sup> volumetric capacity, <b>2.0 m<sup>3</sup></b> output of vibrated concrete (40 cycles/h, one cycle each 90 sec.), 50 kW gear motor, 2 Hp hydraulic unit power, automatic lubrication system, complete with anti dust air bag. Shaft 140x140mm with bolted arm, internal coating in Ni-Hard. For a production of the plant of <b>80 m<sup>3</sup>/h</b> instead of 40 m <sup>3</sup> /h