

Mobile Mixing Plants

M21-Z / M25-Z / M30-Z



*Skid and control panel are optional.

Mobile Plants from Stetter Quality Concrete on site

Wherever construction sites have to be supplied for any length of time with larger quantities of high-quality concrete, mobile mixing plants from Stetter are ideal. It does not matter whether they are used for the construction of traffic routes, dams, landfills or airports, the M series plants have been designed to handle the task. They can be quickly moved, transported on high-bed trailers and quickly set up again, thanks to the fully installed, pre-assembled compact units. The current development status of the Mobile plant benefits from our vast experience worldwide.

The M21-Z, M25-Z and M30-Z plants are equipped with Pan mixer and achieves a productive capacity of approx. 21, 25 and 30 cum compacted concrete per hour respectively.



PAN MIXER

Pan mixers allow you to produce quality concrete of all consistencies within a short mixing time and with low energy input, as they mix intensively with short mixing paths both horizontally and vertically.

The spring mounted mixing arms are protected against wear by means of polyurethane sleeves. The mixing trough is lined with a replaceable inner wall, outer wall and floor wearing plates.

The cover of the mixer can be opened up to 50% during cleaning and maintenance work. The mixer can be emptied simply via the slide or trapdoor.

No matter which plant you opt for: These are the advantages you receive, thanks to the modular system of the Stetter mobile mixing plant.

- Fast assembly and disassembly.
- Easily accessible.
- Compact and easy to maintain.
- Economical, reliable, perfect.
- Optional mounting of an ice weigher in M30-Z only.
- Optional mounting of a powder weigher in M30-Z only.

Easy Assembly for Better Efficiency

The plant is delivered to the construction site on a high bed trailer. Only a mobile crane is required for the erection. The plant components with hinged joints are set up with a crane, positioned and mounted without requiring any welding. The pivoted upper part is then brought into the final position. The support of the upper part is firmly attached to the foundation with locking bolts.

Control System

M21-Z, M25-Z batching plant comes with an option of MCI 55 control unit and M30-Z batching plant comes with an option of MCI 70 version 3.1 control unit.



Additive Weigher

On request, we will equip our mixers with single chamber additive weigher in M21-Z, M25-Z and two-chamber additive weigher in M30-Z mixing plant.

Ice Weigher

The ice weigher is used for the weighing of flake ice. At the bottom the side walls are sloped outwards which ensures the complete discharge of the container. This option is available in M30-Z mixing plant only.

Water Weigher

The dosing of the mixing water is achieved automatically by means of a weighing system. The water system is designed so that you can use fresh water, recycled water or hot water without difficulty.

TECHNICAL DATA

				M21-Z	M25-Z	M30-Z
Total unit	Output	(m ³ /h)		21	25	30
	Concrete discharge height	(m)		4.02	4.02	4.0
	Operating voltage	(V)		415	415	415
Transport Dimensions	Loading height	(m)	Compartment	2.99	2.99	3.16
	Loading length total	(m)	Compartment	11.9	11.9	12.17
	Loading length base	(m)	Compartment	8.36	8.36	8.65
	Total aggregate bin width	(m)		2.32	2.32	2.43
Control Unit	Type			MCI 55	MCI 55	MCI 70 Version 3.1
	Skid			Optional	Optional	Optional
Mixer Unit	Mixer type			Pan	Pan	Pan
	Mixer driving power	(KW)		15	18.5	22
	Compacted fresh concrete	(m ³)		0.35	0.4	0.5
	Dry filling	(m ³)		0.525	0.6	0.75
	Max. grain size	(mm)		40	40	40
Feeder Skip	Drive power	(KW)		11	11	11
	Medium speed	(m/s)		0.46	0.46	0.46
	Skipway	(m)		7.9	7.9	8.4
	Number of weighing cells	(pcs)		4	4	4
Compressor	Type of compressor			Reciprocating	Reciprocating	Reciprocating
	System pressure	(bar)		9	9	9
	Volume of pressure vessle	(ltr)		100	100	100
Cement weighing system	Weighing capacity	(Kg)		200	240	300
	No.of weighing cells	(units)		2 [@]	2 [@]	3
Water Weighing System	Weighing capacity	(Kg)		100	120	150
	No.of weighing cells	(units)		2 [@]	2 [@]	3
Aggregate Compartment Batcher	Capacity	(m ³)	Compartment	6/20 [#]	6/20 [#]	18
	Number of chambers			4	4	4
	Batching gates			4	4	4
	Filling height	(m)		2.94/4.2	2.94/4.2	3.81
	Filling width per chamber	(m)		1.7/2.56	1.7/2.56	2.54







[@] M21-Z, M25-Z comes with combined water and cement weighing system only with two common load cells.

[#] 20 m³ with panel extension is optional with additional cost.

Also Scada software is an optional in all three batching plant models.

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SCHWING STETTER (INDIA) PVT LTD

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CORPORATE OFFICE : F 71 - 72, SIPCOT Industrial Park, Irungattukottai, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu - 602117.
Tel : 044 - 71378100 / 106 Fax : 044 27156539
Email : chennai@schwingstetterindia.com

Kolkata : Y6, Block EP, Sector V, Electronics Complex, Salt Lake City, Kolkata-700091. Tel: 033 40823300
Email : kolkata@schwingstetterindia.com

Bengaluru : No 138-B,"UDAYAGIRI COMPLEX", 3rd Phase, KIADB Industrial area, Peenya, Bangalore - 560058.
Tel : 080 3355 5588 Fax : 080 3011 4301
Email : bangalore@schwingstetterindia.com

Ahmedabad : 103, Shivalik Arcade, 100 Ft., T.P Anand Nagar, Satellite Road, Ahmedabad 380 051.
Tel : 079 71378100 Fax : 079 4006 4084
Email : ahmedabad@schwingstetterindia.com

Pune : Baner Biz Bay, A Wing, 7th Floor, Office No. A-701 & 702, Baner Road, Near D-Mart, Pune - 411 045.
Email : pune@schwingstetterindia.com

Patna : C/o. House of Ashok Kumar Rana, Ground & First Floor, Samridhi Bhawan, Agarnkuan Road, Shivaji Colony, Pahari More, Patna - 800007, Bihar. Tel : 09570996702
Email : rajiv.chandra@schwingstetterindia.com

Goa : C/o Agarwal Packers and Movers Limited, Plot No X-1, Verna Industrial Estate, Verna, Goa - 403722. Tel: 09820203847
Email : sohit.chakhaiyar@schwingstetterindia.com

Mumbai : 620/621, Nirmal Lifestyle Corporate Centre, 6th floor, LBS Marg, Mulund (West), Mumbai 400080.
Tel : 022 25624863 / 64, 30718300, 71378100
Fax : 022 25624865 / 66
Email : mumbai@schwingstetterindia.com

Hyderabad : No.8-2-268/1/C, Plot 2, Road 3, Arora Colony, Banjara Hills, Hyderabad-500034.
Tel: 040 33555588 / 30948601 Fax: 040 23731770
Email : hyderabad@schwingstetterindia.com

Visakhapatnam : Plot No.54, IDA - Block 'D', Expansion, Auto nagar, Visakhapatnam - 530 012.
Tel : 09100061783 Fax: 0891 2706063

Cochin : No.134 / 1404 B, Arakkakadavu Road, Anchumana, Edappally P.O. Cochin - 682 024.
Tel: 0484 - 3355558 / 4055544 Fax: 0484 4506165
Email : cochin@schwingstetterindia.com

Coimbatore : 2005, Trichy Road, Old Rajalaxmi Mills, Singanallur, Coimbatore-641005. Tel: 0422 3223660
Email : coimbatore@schwingstetterindia.com

Surat : Shop No. 128, First Floor, Aagam Orchid, TP Scheme No 6, Opp. Shiv Kartik Complex, Off VIP Road, Nr. Shrunagar Building, Nr Nandini 2, Vesu, Surat-395007 Tel : 08980002726
Email : ahmedabad@schwingstetterindia.com

Nagpur : C/o Amrut Dairy Farm, No. 118, Opp VCA Stadium, Jamtha, 16th KM Milestone, NH-7, Wardha Road, Nagpur - 441108. Tel : 09820203847
Email : sohit.chakhaiyar@schwingstetterindia.com

New Delhi : 19, Okhla Industrial Estate, Phase III, New Delhi - 110 020.
Tel : 011 30928500 Fax : 011 30928530
Email : newdelhi@schwingstetterindia.com

Mohali : D 91-PH-VII, Industrial Area, Mohali, Punjab - 160 055. Tel : 0172 3957500 / 3957501
Email : chandigarh@schwingstetterindia.com

Jammu : C/o. VRL Logistics Limited, Plot No. 19, Transport Nagar, Narwal, Jammu - 180006.
Tel : 099060 35941.

Bhubaneswar : Plot No:182, Naharkanta, Rudrapur, Beside Puri Main Canal, NH5, Bhubaneswar - 752101 Odisha. Tel : 9078884484 / 85

Raipur : NH-6, Opposite Vardhaman Motor, Kumahari, Dist - Durg, Chhattisgarh - 490042.
Tel : 07821 247066
Email : sunil.kumar@schwingstetterindia.com

Guwahati : House No. 161, Jaya Nagar, Six Miles, Khanapara, Guwahati 781 022.
Tel: 0361 2234738 / 099575 66738

Indore : Plot No.1074/9/1, A.B. Road (By-Pass), (Opp) Silicon Valley Housing Project, Rau-453331, Indore - 452010. M.P Tel : 8085966587
Email : ahmedabad@schwingstetterindia.com

Jaipur : F-551, Road No. 6, Lehar Choraha, Vishwakarma Industrial Area (VKI Area), Jaipur - 302 013, Rajasthan. Phone: 09672423444