

MOBILE MIXING PLANTS

M1 | M2,25



SCHWING-STETTER MOVES CONCRETE. **WORLDWIDE.**

Wherever concrete is produced and moved is where you will find Schwing-Stetter machinery.

With plants in Germany, Austria, USA, Brazil, Russia, China and India as well as with more than 100 sales and service facilities, the group of companies is always close to the customer.

Our wide range of products with something for every application is what makes Schwing-Stetter the No. 1 system supplier for concrete machinery worldwide.



CONCRETE MIXING PLANTS



TRUCK MIXER



TRUCK-MOUNTED CONCRETE PUMPS



STATIONARY CONCRETE PUMPS



SEPARATE PLACING BOOMS



CONCRETE RECYCLING PLANTS

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 provide special efficiency. It does not matter whether they are used for the construction of traffic routes, dams, landfills or airports, the M1 and M2,25 have been designed to handle the task. They can be quickly moved, transported on low-bed semi-trailers and quickly set up again, thanks to the fully installed, pre-assembled compact units. The current development status of the M1 and M2,25 has benefited from our experience with more than 500 mobile Stetter plants worldwide. The proven basic concept of mobility has not changed.

The M1 is equipped with pan mixers and achieves a productive capacity of approx. 56 m³ of compacted concrete per hour. The M2,25 features a twin-shaft mixer. The output of compacted concrete is approx. 100 m³ per hour, thus making it comparable with medium-sized stationary plants.



MIXERS FROM STETTER. TECHNOLOGY FOR THE PRECISE PRODUCTION OF CONCRETE.

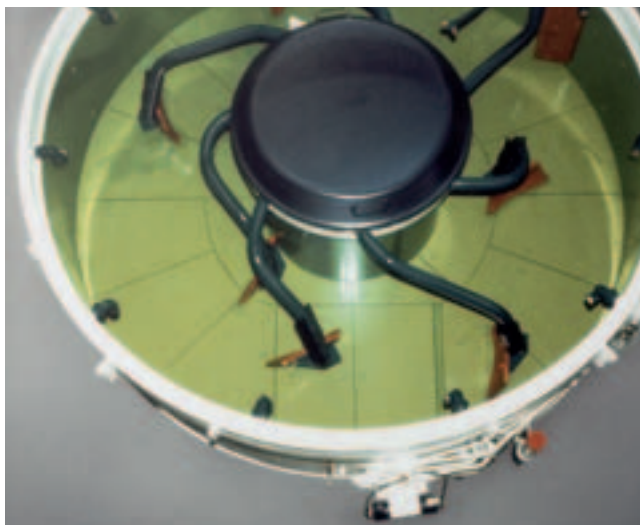
PAN MIXER FOR M1

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 due to short mixing paths both horizontally and vertically.

The spring-mounted mixing arms are protected against wear by means of polyurethane sleeves. Instead of the standard mixing paddles made of special chilled casting you can also use, if desired, our mixers with paddles made of a synthetic material that have an especially long tool life.

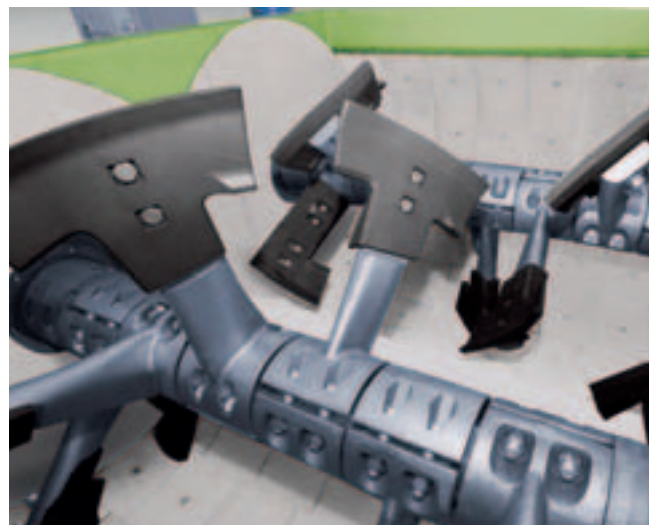
The mixing trough is lined with replaceable inner wall, outer wall and floor wearing plates. You can lay out the mixer floor with regular wearing plates made of special steel or special chilled cast tiles. You can turn over the wall wearing plates.

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.



TWIN-SHAFT MIXER

Excellent mixing with short mixing and discharging times, a wide range of applications as well as low wear: these are the characteristics of Stetter's twin-shaft mixers in a compact design. The high-performance mixing plant from Stetter achieves an intensive agitation of the mixture, and thus a fast homogeneity of the mixture. The mixing arms, made of high-quality cast steel, have a helical arrangement. The design features a large overlapping of tools and a low fill factor which has a positive effect on the mixing result. Wear-resistant cast material having a high degree of hardness and toughness are used for the trough lining.



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 still easy to maintain
- Economical, reliable, perfect
- Optional mounting of an ice weigher
- Optional mounting of a powder weigher
- Optionally available with housing

ADDITIVE WEIGHER

On request, we will equip our mixers with a two-chamber additive weigher. The additives are discharged via discharge pumps that are automatically rinsed. The additives are distributed over the entire mixture via set of nozzles.



ICE WEIGHER

The ice weigher is used for the weighing of flake ice. At the bottom the side walls are slightly sloped outwards which ensures the complete discharge of the container.

WATER WEIGHER

The dosing of the mixing water is achieved fully automatically by means of a patented weighing, pump and nozzle system. The water system is designed so that you can use fresh water, recycled water or hot water without difficulty. After weighing, a special pressure water pump delivers the mixing water into the mixer.



STETTER MOBILE PLANTS. VERSATILE APPLICATION OPTIONS MAKING THEM FIT TO BE USED ANYWHERE IN THE WORLD.

The M1 and the M2,25 allows you to mix anything – whether it is dry concrete, ready-mix concrete of all consistencies, hydraulically bound bases, recycled material, mortar or self-levelling floor screed.

Stetter mixing plants can be used anywhere in the world. Whether it is in the arctic cold, tropical humidity or extreme heat, the Stetter M1 and M2,25 can be perfectly equipped for every climate zone, and have been proven reliable every where. Thanks to steam injections and the addition of hot water, the winter design permits the production of concrete at temperatures of down to $-30\text{ }^{\circ}\text{C}$.

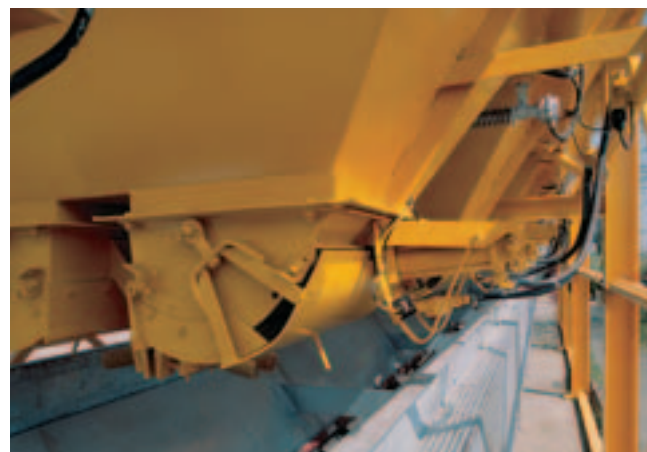
Two options for aggregate storage silo are available.



The compartment batcher with four compartments that can be fed via ramps located on both sides. The feeder skip also functions as a weighing device.



The in-line silo is used for larger quantities or if more than four kinds of aggregates are used. The weighing takes place on a weighing belt which forwards the aggregates to the feeder skip.



Batching gate and weighing belt for the in-line silo.



STETTER MOBILE PLANTS. EASY ASSEMBLY FOR BETTER EFFICIENCY.



The plant is delivered to the construction site on a semi-trailer. Only a mobile crane is required for the erection. Due to the fully installed, pre-assembled compact units, only eight days are usually required until being put into operation. The following applies to the disassembly and reassembly: the plant can be used again after one week if appropriate preparatory work has been performed.

The plant is assembled as fast as it is shipped. After surveying, the plant is placed and aligned, with the help of a crane, on a leveled compacted flat ground without foundations.

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 platform with locking bolts.

The lateral ramp walls for the ramp drive together with the compartment batcher now make up one unit. They only need to be filled with sand and gravel and compacted to complete the drive-up ramp. The winter-proof housing (optional) can be assembled in a single day.





Plug-in connectors for the electrical connection of the peripheral devices make assembly and disassembly operations easier.

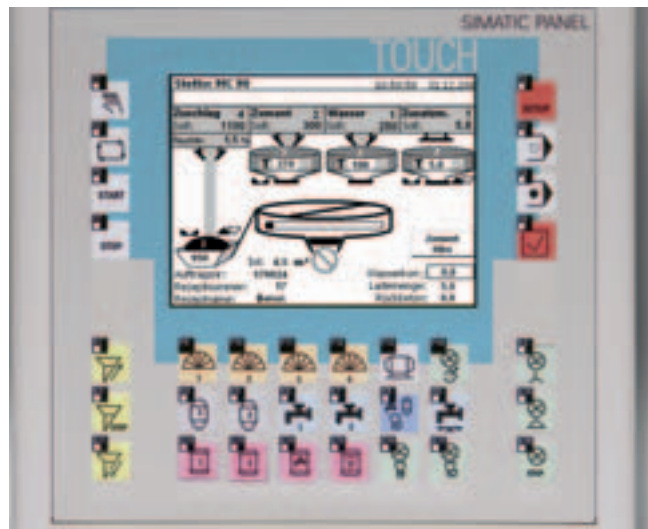


STETTER CONTROL SYSTEMS. IN-HOUSE DEVELOPMENT AND PRODUCTION FOR THE HIGHEST DEMANDS.

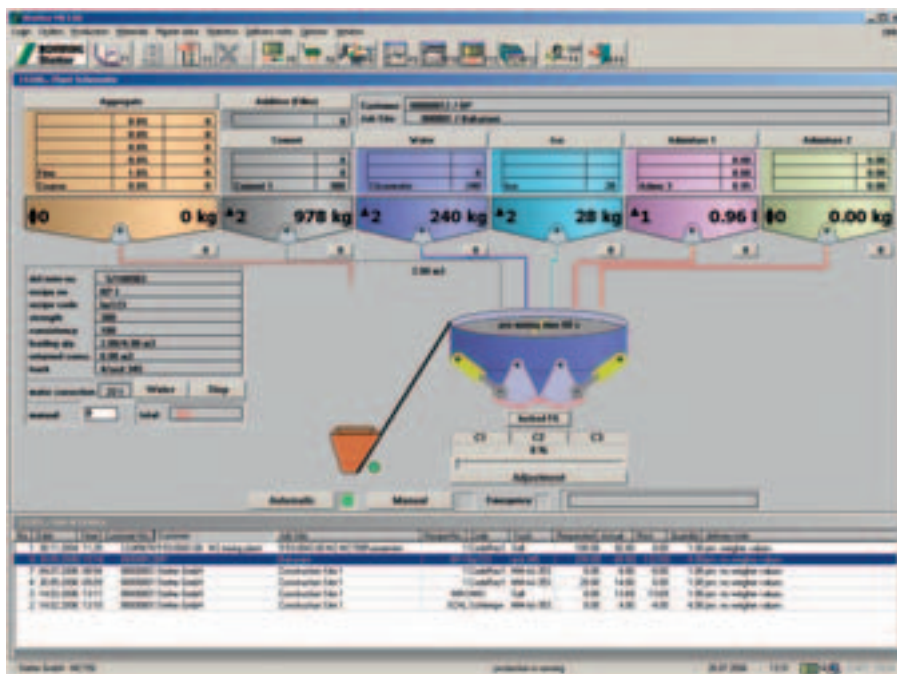
Stetter mobile plants can be delivered with different controls made in-house. These are housed in an integrated control room or a separate container. For plant sizes up to 1 m³ we recommend the low-cost batch control MC 90. The operation is very simple, thanks to the graphic display with integrated pushbuttons. Only a few buttons need to be actuated for the production.

More modular control systems from Stetter are available for larger-sized plants which we can configure according to your specifications. The MC 150 is designed for high flexibility and good expandability. The variable design of this control allows its use in any kind of plant.

We satisfy the ever more complex requirements on a batching system and weighing system with the new MC 400 control generation. It also features a simple and easy to operate graphic interface. The scope of supply and services offered ranges from linking up workstations to the automatic planning of the production, to the control of several plants and to extensive billing functions. It requires, however, a separate control container or a control room provided by the customer.



MC 90



MC 150/MC 400

STETTER MOBILE PLANTS.

TECHNICAL DATA

				M 1	M 2,25
Overall plant	Space required	m ³	CB*/IS**	approx. 440/760	approx. 480/820
	Compacted concrete output	m ³ /h		56	101
	Total length ¹⁾	m	CB/IS ¹⁾	21/32	22/34
	Total width	m	CB/IS	21/24	22/24
	Total height w/o silo	m	with house	9.0	11
	Concrete discharge height	m		4.0	4.1
	Total weight ²⁾	t	CB/IS ²⁾	19/11	30/19
	Operating voltage	V		400	400
	Power input	kVA		120	200
Transportation dimensions	Loading height	m		3.5	3.4
	Loading length total/base	m	CB/IS	12.15/9.1	15.5/12
				IS = 9.8/8.9	IS = 12.5/9
	Loading width	m	Design IS	2.5	3
Control	Type			Cabinet control	Desk control
	Designation			MC 90/MC 150	MC 150/MC 400
Mixing unit	Mixer type			T 1000	DW 2.25
	Mixer input power	kW		37	75
	Mixing cycle	1/h		56	45
	Compacted concrete	m ³		1	2.25
	Dry filling	m ³		1.5	3.375
	Max. grain size round/crushed	mm		80/63	80/63
Feeder skip	Input power	kW		15	37
	Medium feeder speed	m/s		0.5	0.5
	Feeder path	m		8.2	10.2
	Number of load cells	piece		4	4
Compressor	System pressure	bar		10	10
	Pressure tank volume	ltr.		150	270
Cement weigher	Cement weighing capacity	kg		500	1,200
	Number of cement load cells	piece		3	3
Water weigher	Water weighing capacity	kg		250	600
	Number of water load cells	piece		1	3
Aggregate compartment batcher	Capacity	m ³		40	70
	Number of compartments	piece		4	4
	Aggregate batching gates	piece		5	5
	Filling	piece		via shovel loader	via shovel loader
	Filling height	m		4.95	5.10
	Filling width per compartment	m		3.20	3.30
Aggregate In-line silo depending on design	Capacity	m ³		128 to 216	144 to 270
	Number of compartments	piece		4 to 6	4 to 6
	Aggregate batching gates	piece		2 per chamber	2 per chamber
	Filling	piece		via shovel dozer	via shovel dozer
	Filling height	m		5.20	5.20
	Filling width per compartment	m		3.16/3.50	3.50/4.00
	Belt width	m		0.8	1.0
	Minimum delivery rate	m ³ /h		330	540
	Weighing capability	kg		2,500	5,625




¹⁾ When an Inline silo with four compartments are used.

²⁾ Weight only for basic plants without Inline silo and accessories.

* CB = compartment batcher

** IS = in-line silo

SCHWING-STETTER ALWAYS CLOSE TO THE CUSTOMER.

-  Parent plant
-  Production subsidiary
-  Own/independent sales and service company

Subject to technical and dimensional modifications.
Photos are not binding.
The exact scope of the delivery is listed in the offer.



Stetter GmbH | Postfach 19 42 | 87689 Memmingen, Germany | Phone +49 (0) 8331 / 78-0
Fax +49 (0) 8331 / 78-275 | info@stetter.de | www.stetter.de