

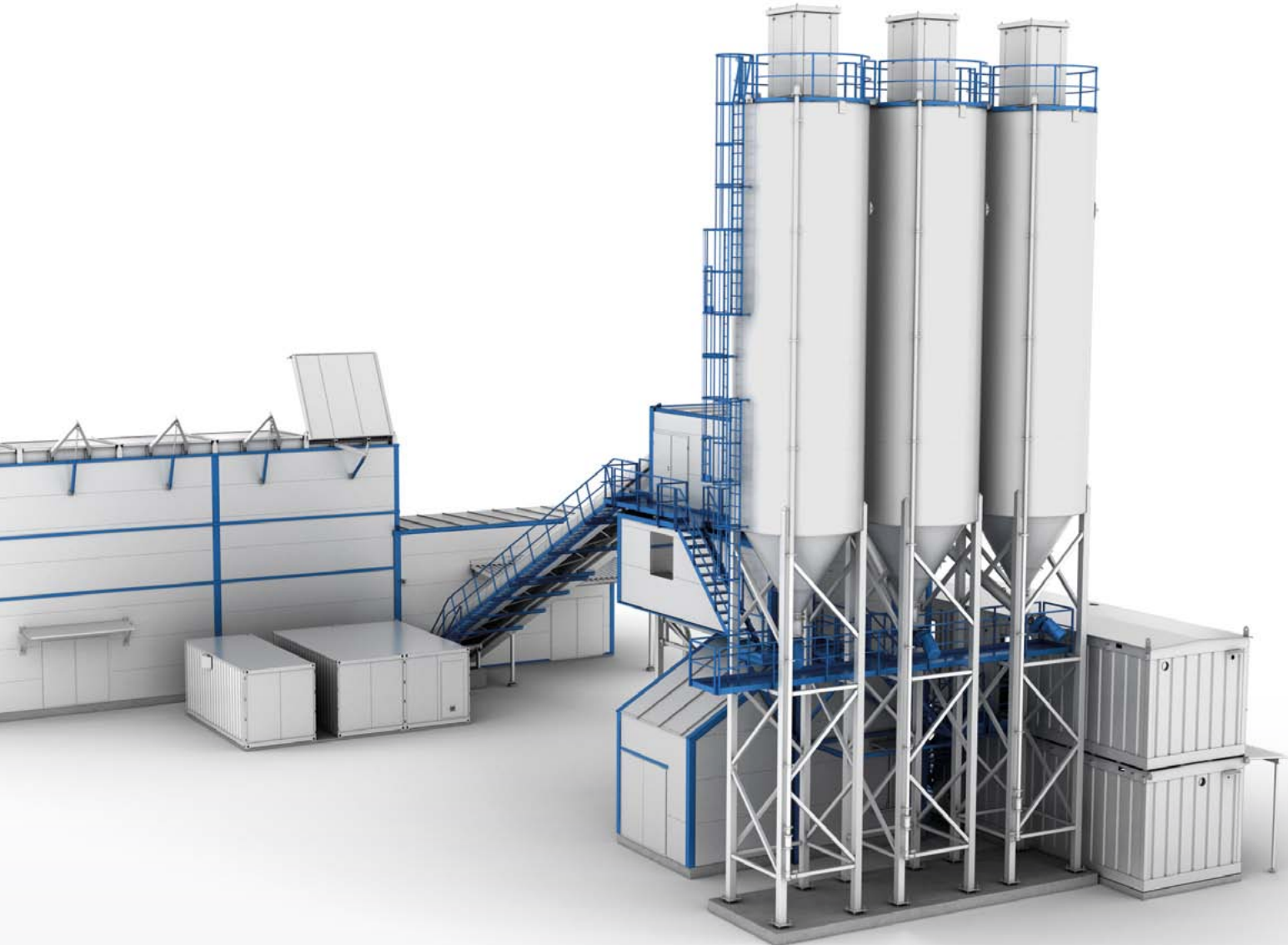


steel-kamet

KAMET[®] CONMIX

SERIES 80-200 m³/h

Concrete mixing plants for medium and large-scale production





KAMET® KEEPS ITS PROMISES. Steel-Kamet Oy guarantees the performance of the Kamet® concrete mixing plant as detailed in the technical specifications when the plant is operated correctly.

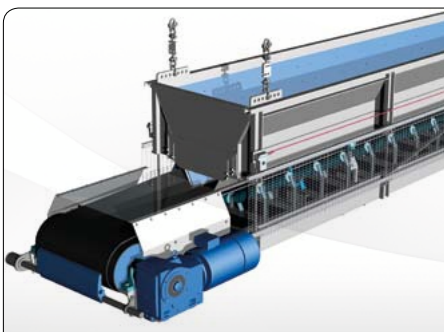
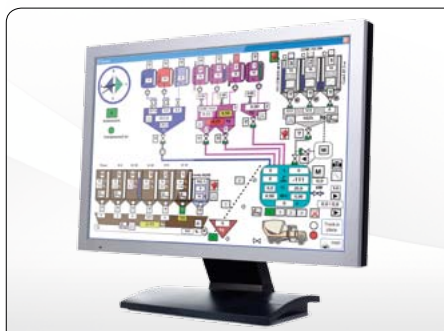
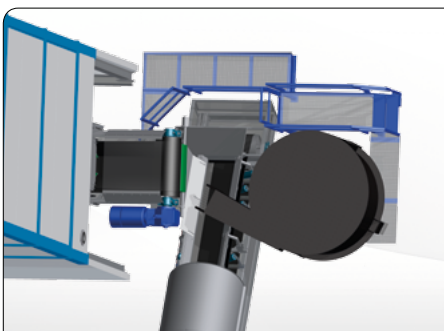
SUPREME EFFICIENCY FOR DEMANDING CONCRETE PRODUCTION

Modular Kamet® Conmix concrete mixing plants have been developed to meet the medium and large-scale production specifications for ready-mixed concrete and for the concrete used by the precast industry. In addition to having a long lifespan, the plants are highly reliable in all conditions. They are quick in production and easy to use and maintain. Special attention has been paid in the design to durability, ease of use, economical maintenance, and high adaptability.

Thanks to modularity, the plant can be extended cost-efficiently during use with Kamet® accessories. Ready-to-use modules are constructed and tested at Steel-Kamet Oy's factories based on orders received. At the construction site, the modules are assembled with installation parts that are quick to use. The plants are very compact, which makes their transportation, installation, start-up, and relocation easy and cost-efficient.



A DURABLE INVESTMENT. Kamet® Conmix plants ensure excellent profits year after year thanks to their durable structure, high-quality parts, and easy transportation.



EFFICIENT. Forty decades of extensive experience ensure that Kamet® Conmix plants meet the highest standards for efficiency and ease of use.

EASY TO MAINTAIN. Kamet® automation enhances the efficiency, consistency, and quality of production.

DURABLE. Kamet® Conmix plants are designed to withstand years of demanding use.

FLEXIBLE. Kamet® extension solutions allow for the unit to be modified to meet each client's specific needs. For instance, Kamet® production control can be easily integrated with the client's financial management system, and the Kamet® Turbo thermal energy power unit ensures that concrete quality remains consistent even in temperatures as low as -40°C.

CAPACITY OPTIONS

80 m³/h, 100 m³/h, 120 m³/h, 160 m³/h and 200 m³/h.

STANDARD EQUIPMENT

Factory delivery contains a large aggregate silo. The options for transportation of weighed aggregate include an efficient belt conveyor and skip hoist, the latter being especially suitable for confined spaces. The solution also includes binding agent silos, pneumatic pipes and compressor, and ready-to-use electrification, including an electrical distribution board, cables, and connections. Process management includes processing of cold water, binding agent, aggregate, and additives, and their exact dosing. Production is controlled by the comprehensive Kamet® Control system, which can be easily integrated with client's financial management system, for example.

AVAILABLE EXTENSIONS

The available extensions include a control room, aggregate receiver silo, aggregate silo extensions, heat insulation panelling, aggregate silo hatch covers, piping insulation, and the all-inclusive Kamet® Turbo thermal energy power unit.

TRANSPORTATION, INSTALLATION, START-UP, MAINTENANCE, RENOVATIONS

The wide range of contract options ensures flexible services from standard deliveries to maintenance throughout the entire lifespan of the concrete mixing plant.

EFFICIENT PRODUCTION

- High production capacity
- Excellent and even quality
- Durable, high-grade components
- Production in accordance with standards
- Comprehensive range of extensions
- Aggregate silos can be filled directly from a truck or front loader

EASY AND COST-EFFECTIVE PRODUCTION

- Economical maintenance, easy to use
- Durable structure
- Low maintenance needs
- Spacious and easy to service
- High quality wear and tear parts
- Easy to extend with accessories during use

EASY TO ACQUIRE

- Flexible assembly options
- Modular container structure
- Compact
- Quick delivery
- Easy installation and start-up
- Easy to move to a new location
- start-up training
- Installation service and maintenance service
- Also available for lease

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Technical Information	Specification	Unit	KCX 80 Value	KCX 100 Value	KCX 120 Value	KCX 160 Value	KCX 200 Value
CAPACITY GUARANTEE	Compacted concrete output	m ³ /h	80	100	120	160	200
BATCHING AND DOSING	Time/batch	sec	102	108	105	90	82
	Compacted concrete/batch	m ³	2.25	3	3.5	4	4.5
	Dry filling	m ³	3.38	4.5	5.25	6	6.75
	Maximum grain size	mm	64	64	64	64	64
CONCRETE DISCHARGE	Height	m	4.2	4.2	4.2	4.2	4.2
CONTROL SYSTEM	Process automation	type	XL	XL	XL	XL	XL
MIXING TECHNOLOGY	Mixing unit	type	BHS DKXS 2.25	BHS DKXS 3.00	BHS DKXS 3.50	BHS DKX 4.00	BHS DKX 4.50
	Mixer input power	KW	65	2 x 55	2 x 55	2 x 65	2 x 75
AGGREGATE FEEDING	Skip motor	KW	2 x 22	2 x 22	2x30	2x37	2x37
	Medium feeding speed skip	m/s	0.4	0.4	0.4	0.4	0.4
	Belt conveyor motor	KW	22	30	30	37	37
	Belt speed	m/s	800/1.8	800/1.8	1000/1.8	1200/1.8	1200/1.8
AGGREGATE SILOS	Compartment volume	m ³	50-80	50-80	50-80	50-80	50-80
	Number of compartments	pcs	4-6	4-6	4-6	4-6	4-6
	Compartment extensions	pcs	1-2	1-2	1-2	1-2	1-2
	Aggregate batching gate	pcs	4-12	4-12	4-12	4-12	4-12
	Filling system	type	Front loader/Truck	Front loader/Truck	Front loader/Truck	Front loader/Truck	Front loader/Truck
	Filling height	m	4.3	4.3	4.3	4.3	4.3
	Compartment filling width	m	3.5	3.5	3.5	3.5	3.5
CEMENT SILOS	Silo volume	m ³	60-100	60-100	60-100	60-100	60-100
	Number of silos	pcs	1-4	1-4	1-4	1-5	1-5
AGGREGATE WEIGHER	Capacity	kg	5400	7200	8400	9600	10800
CEMENT WEIGHER	Capacity	kg	1300	1800	2100	2400	2700
WATER WEIGHER	Capacity	kg	600	900	1000	1200	1300
LIQUID ADMIXTURE WEIGHER	Capacity	kg	30	2x30	2x30	2x30	2x30
OVERALL PLANT INFORMATION	Total weight	t	135	139	147	149	151
	Space required	m	60(50) x 50	60(50) x 50	60(50) x 50	60(50) x 50	60(50) x 50
	Total length	m	28 (36)	28 (36)	28 (36)	28 (36)	28 (36)
	Total width	m	15	15	15	15	15
	Total height without silos	m	12.5	12.5	12.5	12.5	12.5
	Operating voltage	V/Hz	400/50	400/50	400/50	400/50	400/50
	Power input	A	315	400	640	640	800
TRANSPORTATION DIMENSIONS	Loading height	m	4	4	4	4	4
	Loading length total/base	m	18	18	18	18	18
	Loading width	m	3.5	3.5	3.5	3.5	3.5

