

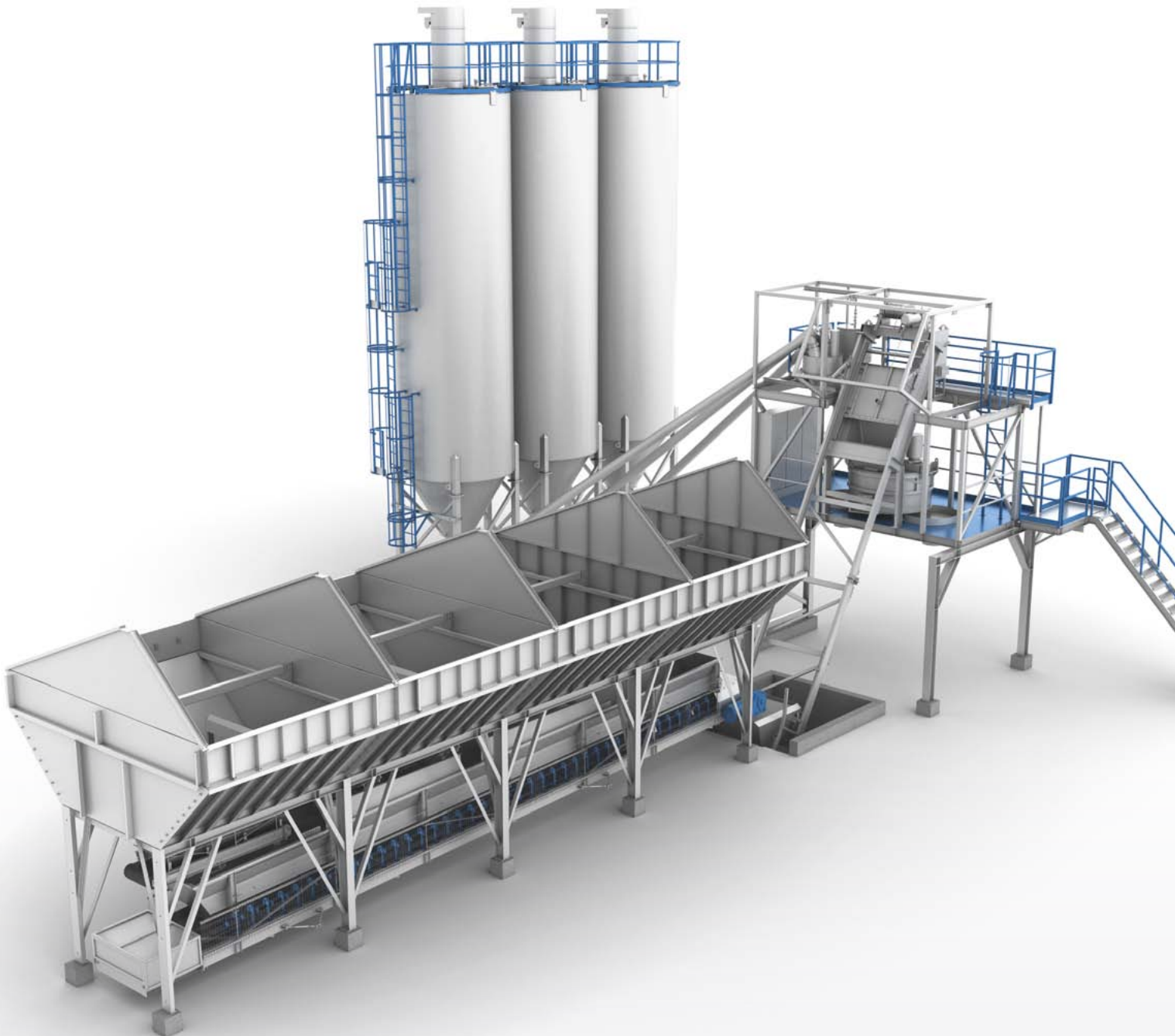
steel-kamet

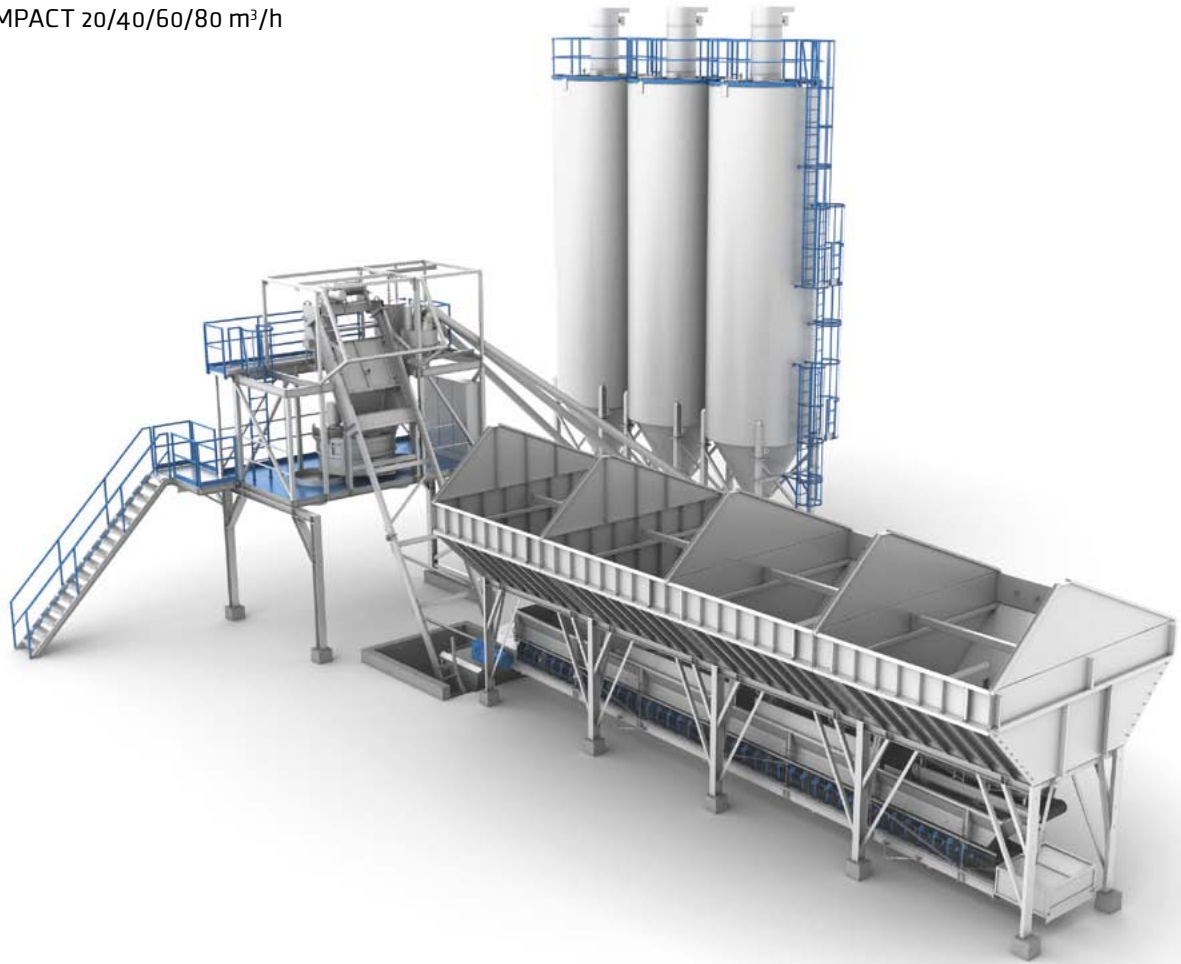


KAMET[®] COMPACT

20/40/60/80 m³/h

Concrete mixing plants for small and medium-sized production needs





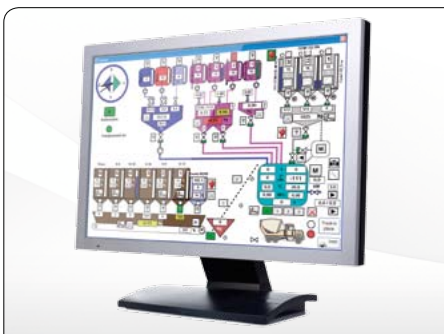
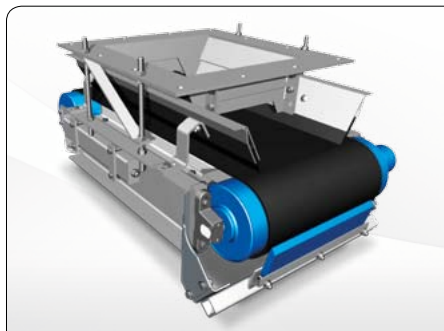
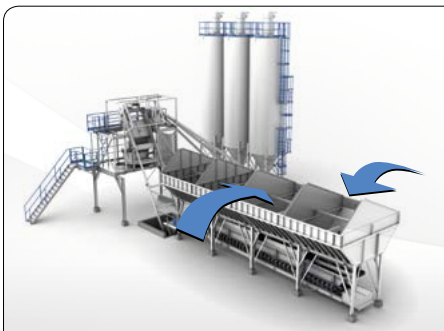
KAMET® KEEPS ITS PROMISES
Steel-Kamet Oy guarantees the performance of the Kamet® concrete mixing plant as detailed in the technical specifications when the plant is operated correctly.

FOR SUPREME FLEXIBLE AND EFFICIENT CONCRETE PRODUCTION

Modular Kamet® Compact concrete mixing plants are developed for small and medium-sized production needs of ready-mixed concrete and the concrete used by the precast industry. Kamet® Compact series is highly reliable. In addition to enabling quick production, it is easy to use and maintain. Special attention has been paid during the design stage to maximizing adaptability and cost-efficiency of operation throughout the entire lifespan of the products. Modularity allows for the plant to be extended cost-efficiently 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, making their transportation, installation, start-up, and relocation easy and cost-effective.



A PRODUCTIVE INVESTMENT
Considering the entire lifespan of the plant already in the planning phase makes Kamet® solutions highly productive investments.



RELIABLE OPERATIONS. Carefully designed units ensure excellent cost-efficiency for all production needs throughout the entire lifespan of all our products.

EXCELLENT QUALITY. Kamet® parts are designed for demanding use, ensuring smooth operation for long periods.

EFFICIENT. The comprehensive Kamet® automation control enhances productivity and smoothness of operations, and ensures excellent quality at all times. The small number of components in e.g. the Kamet® vibratory feeder and skip hoist that will occasionally need replacing are equipped with easy-to-replace finishes.

FLEXIBLE. For example, Kamet® aggregate silos can be filled from either side either with a truck or front loader.

EXTENDABLE. For example, Kamet® Turbo thermal energy power unit enables high quality concrete production even at temperatures as low as -40°C.

CAPACITY OPTIONS

20 m³/h, 40 m³/h, 60 m³/h and 80 m³/h.

STANDARD EQUIPMENT

Factory delivery contains 4x25 m³ aggregate silos that can be filled from either side, mixing and weighing containers, binding agent silos, pneumatic pipes and a compressor, and ready-to-use electrification, including electrical distribution boards, cables, and connections. Options for the aggregate transportation include a skip hoist – especially well suited for confined spaces – and a belt conveyor, which requires more operating space. Process management includes the processing of cold water, binding agent, aggregate, and additives, and exact dosing. Production is controlled with comprehensive Kamet® automation, which improves productivity and operational reliability and allows easier planning and maintenance.

EXTENSIONS

Available extensions include a control room, aggregate silo extensions, and optional winter equipment from heat insulation panelling to aggregate silo hatch covers, piping insulation, and the all-inclusive Kamet® Turbo power unit for generating thermal energy.

TRANSPORTATION, INSTALLATION, COMMENCEMENT, MAINTENANCE, RENOVATIONS

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

EFFICIENT AND RELIABLE INVESTMENT

- Excellent production capacity
- Excellent and consistent quality
- Durable components
- Production in accordance with ISO-standards

COST-EFFECTIVE PRODUCTION

- High quality wear and tear parts
- Low maintenance needs
- Easy and spacious to service

EASY TO ACQUIRE

- Flexible assembly options
- Modular container structure
- Compact
- Quick delivery
- Easy to transfer
- Quick installation
 - ready to use within a week
- Easy commencement, training
- Installation service and maintenance service
- Also available for lease

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Technical information	Specification	Unit	KC 20 Value	KC 40 Value	KC 60 Value	KC 80 Value
CAPACITY GUARANTEE	Compacted concrete output	m³/h	20	40	60	80
BATCHING AND DOSING	Time/batch	sec	90	90	90	102
	Compacted concrete/batch	m³	0,5	1	1,67	2,25
	Dry filling	m³	0,75	1,5	2,51	3,38
	Maximum grain size	mm	64	64	64	64
CONCRETE DISCHARGE	Height	m	3,8	3,8	3,8	3,8
CONTROL SYSTEM	Process automation	type	S	S	S	S
MIXING TECHNOLOGY	Mixer	type	BHS DKXN 0,50	BHS DKXN 1,00	BHS DKXS 1,67	BHS DKXN 2,25
	Mixer input power	KW	15	37	55	65
AGGREGATE FEEDING	Skip motor	KW	7,5	15	22	2 x 22
	Medium feeding speed skip	m/s	0,4	0,4	0,4	0,4
	Belt conveyor motor	KW	skip version only	15	22	22
	Belt speed	m/s	skip version only	650/1,7	800/1,8	800/1,8
AGGREGATE SILOS	Compartment volume	m³	25-50	25-50	25-50	25-50
	Number of compartments	pcs	4-6	4-6	4-6	4-6
	Compartment extensions	pcs	1-2	1-2	1-2	1-2
	Aggregate batching gate	pcs	8	8	8	8
	Filling system	type	Front loader/Truck	Front loader/Truck	Front loader/Truck	Front loader/Truck
	Filling height	m	4,3	4,3	4,3	4,3
	Compartment filling width	m	3,5	3,5	3,5	3,5
CEMENT SILOS	Silo volume	m³	option	60	60	60
	Number of silos	pcs	option	1-3	1-3	1-3
AGGREGATE WEIGHER	Capacity	kg	1250	2500	4000	5400
CEMENT WEIGHER	Capacity	kg	600	1000	1000	1300
WATER WEIGHER	Capacity	kg	400	400	400	600
LIQUID ADMIXTURE WEIGHER	Capacity	kg	option	15	15	30
OVERALL DIMENSIONS	Total weight	t	27	39	42	47
	Space required	m	26 x 15	60(50) x 50	60(50) x 50	60(50) x 50
	Total length	m	26 (33)	26 (33)	26 (33)	26 (33)
	Total width	m	15	15	15	15
	Total height without silos	m	11,5	11,5	11,5	11,5
	Operating voltage	V/Hz	400/50	400/50	400/50	400/50
	Power input	A	100	120	160	240
TRANSPORTATION DIMENSIONS	Loading height	m	2,8	2,8	2,8	2,8
	Loading length total/base	m	15	15	15	15
	Loading width	m	2,44	2,8	2,8	2,8

