

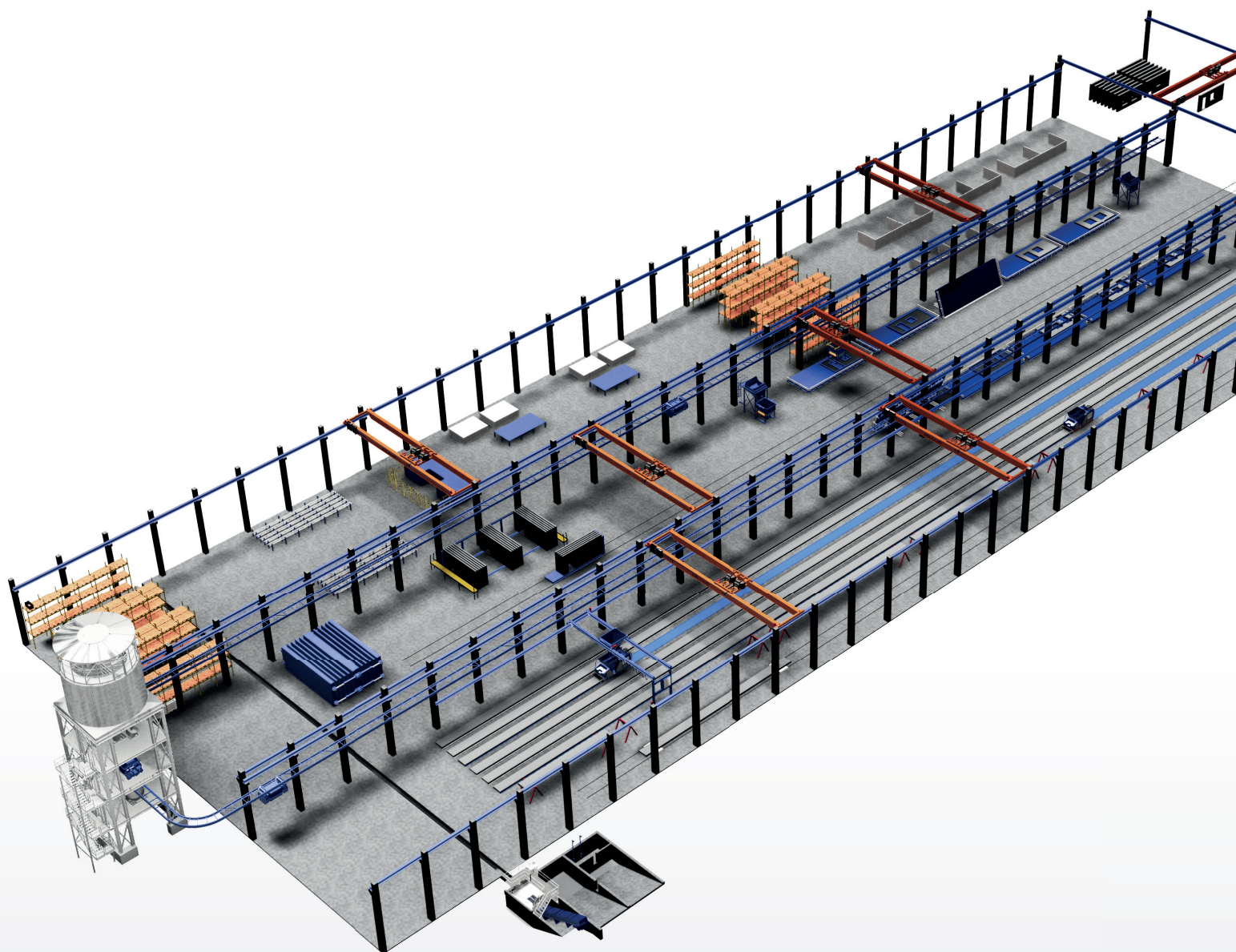
steel-kamet



# KAMET® PRECAST SOLUTIONS

Integrated concrete and precast product factories

All inclusive solutions for the manufacture of concrete products



# SOLID EXPERTISE IN ALL THINGS CONCRETE

## OVERALL MANAGEMENT

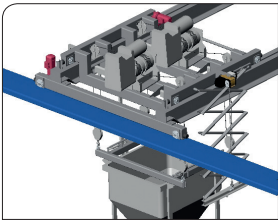
The innovative Kamet® Precast solutions have been developed for the needs of the precast concrete and concrete product industries worldwide. Based on the client's needs, Kamet® Precast solutions can be made to cover all equipment from concrete production to precasting, and all process management from production of top-quality concrete mass to the manufacture of top-of-the-range concrete products.

## EXPERIENCE

Steel-Kamet Oy's solutions use the latest technology and rest on four decades of experience as a developer, manufacturer, and supplier of machine and equipment solutions.

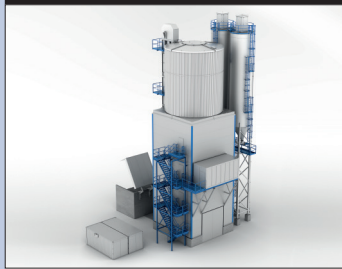
## RESULTS

The company's overall experience in the production processes of the concrete industry and concrete production shines through in everything we do. With Kamet® Precast solutions, clients can enhance their profitability and productivity at all stages of the process, from production capacity to the management of material flows, and from enhanced quality to cost savings.

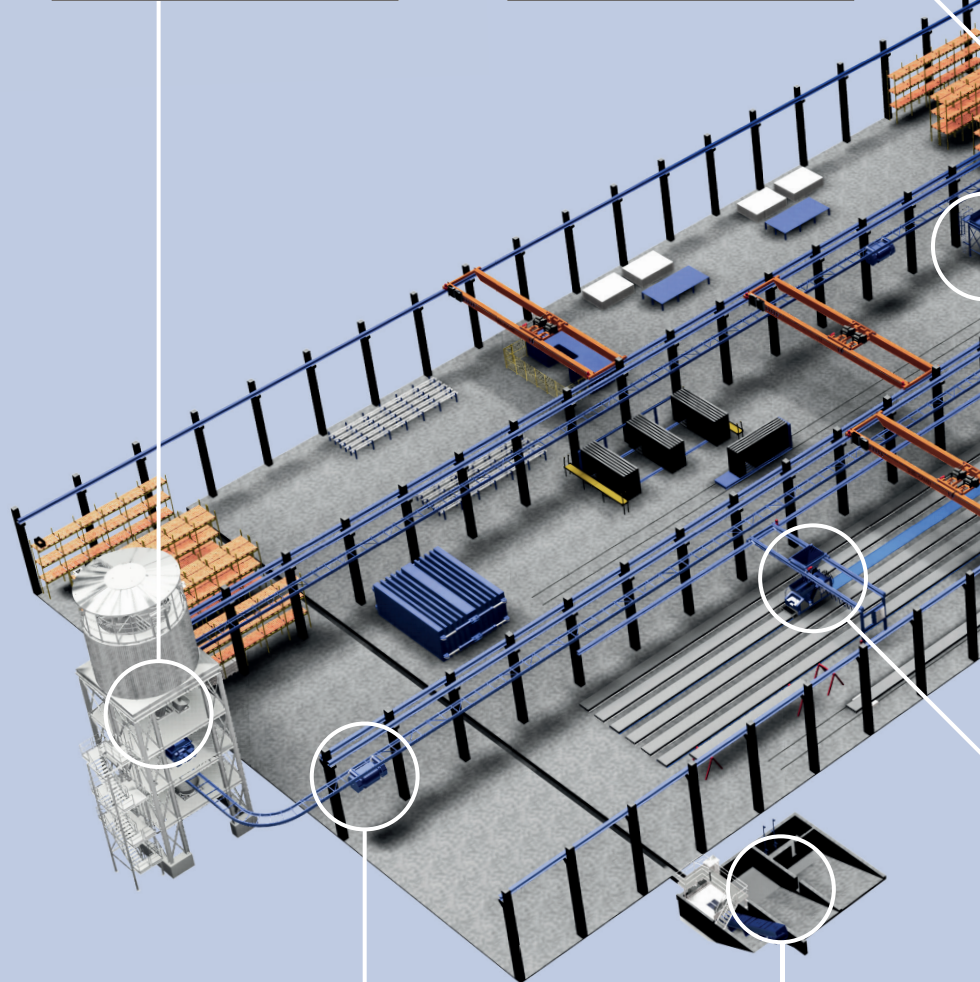
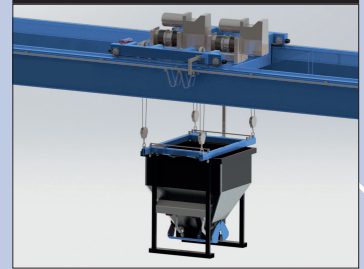


**A PRODUCTIVE INVESTMENT**  
Reliable and efficient equipment, and consideration of the entire lifespan of the plant from the planning phase onwards make Kamet® solutions extremely productive investments.

KAMET®  
CONCRETE MIXING PLANT



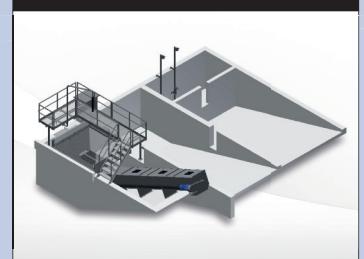
KAMET® CASTING MACHINE,  
THE BRIDGE MODEL



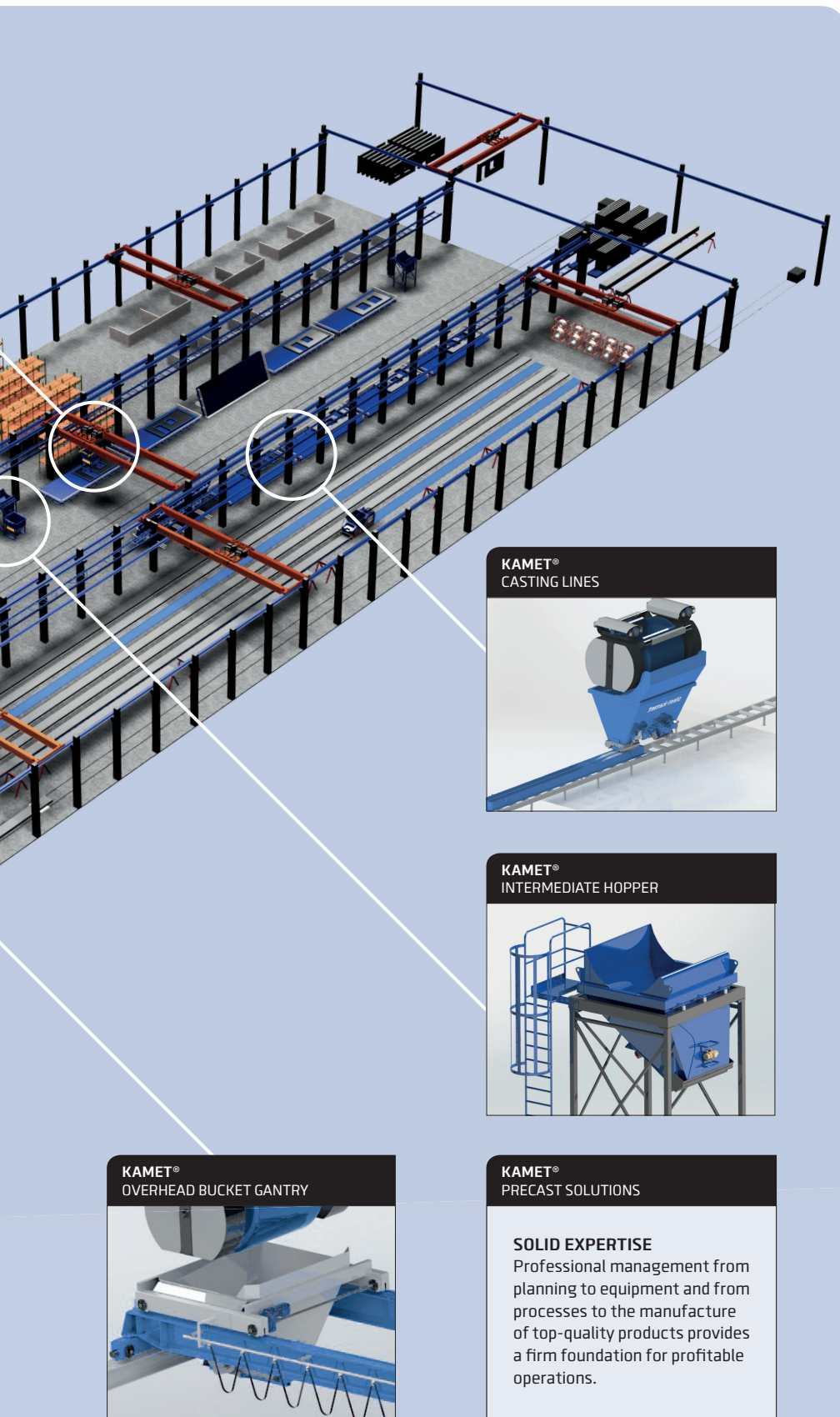
KAMET® CONCRETE  
DISTRIBUTION SYSTEMS



KAMET®  
WASHING STATION







**KAMET®  
CASTING LINES**



**KAMET®  
INTERMEDIATE HOPPER**



**KAMET®  
OVERHEAD BUCKET GANTRY**



**KAMET®  
PRECAST SOLUTIONS**

#### **SOLID EXPERTISE**

Professional management from planning to equipment and from processes to the manufacture of top-quality products provides a firm foundation for profitable operations.

## **SERVICES**

- Maintenance contracts
- Installation supervision, user training
- Launching of production
- Remote access services
- Annual maintenance services
- Maintenance of machines and equipment

## **PRECAST FACTORY**

- Layout design
- Material requirement calculations
- Production capacity and efficiency calculations
- Energy requirement calculations

## **MACHINERY AND EQUIPMENT**

### **MASS TRANSPORTATION SYSTEM**

- Shuttle
- Shuttle track
- Stages of the track
- Washing stations
- Intermediate hopper
- Automation
- Overhead bucket gantry
- Transport wagon for casting skip
- Casting skip

### **CASTING EQUIPMENT**

- For precast wall elements
- For column and beam lines
- For slabs

### **MOULDS**

- Tilting moulds for precast wall elements
- Battery moulds
- Hollow core casting beds
- Solid slab moulds
- Circulating lines
- Column and beam mould system
- Step moulds
- TT and HTT slab moulds
- Cover reels and covers

### **HANDLING AND STORAGE OF ELEMENTS**

- Lifting booms and cutters
- Transport wagon for elements
- Wagon extraction device
- Storing of elements: storage racks, A-frames

### **OTHER EQUIPMENT**

- Pre-stressing devices
- Mould grinder
- Mould magnets
- Mould sideboards

# KAMET® PRECAST SOLUTIONS

Integrated concrete and precast product factories



## SHUTTLE

			SKSH 1,5	SKSH 2,0
CAPACITY	Hopper, water volume	m³	2,2	2,8
	Compacted concrete	m³	1,5	2,0
DIMENSIONS	Height	mm	1795	1795
	Width	mm	1500	1500
	Length	mm	2432	2432
CONNECTION VOLTAGES	two - wheel drive	kW	6	6
	four-wheel drive	kW	12	12
SUPPLY VOLTAGE	3P + PE		400V / 50Hz or 460V/60Hz	

## OVERHEAD BUCKET GANTRY

CAPACITY	Hopper, water volume	m³		3,1
	Compacted concrete	m³		2,2
CONNECTION VOLTAGE 6 kW	Bridge operating devices	kW		4,4
	Wagon operating device	kW		1,1
	Vibrator motor	kW		0,5
SUPPLY VOLTAGE	3P + PE		400V / 50Hz or 460V/60Hz	

## INTERMEDIATE HOPPER

CAPACITY	Hopper, water volume	m³		3,3
	Compacted concrete	m³		2,2
CONNECTION VOLTAGE 1.6 kW	Hatch operating device	kW		1,1
	Vibrator motor	kW		0,5
SUPPLY VOLTAGE	3P + PE		400V / 50Hz or 460V/60Hz	
DIMENSIONS	Weight	kg		1715
	Height (adjusting feet)	m		4,6-5,0
	Width	m		3,0
	Length	m		2,8

## WASHING STATION

CONNECTION VOLTAGE 2.2 kW	Booster pump	kW		2,2
SUPPLY VOLTAGE	3P + PE		400V / 50Hz or 460V/60Hz	
WATER/AIR	Water consumption	l/s		2,9
	Water pressure	bar		4-5
	Pipe connections	DN		80-40
	Pressurized air requirement	bar/DN		6/20
DIMENSIONS	Weight	kg		550
	Height	m		2,7
	Width	m		2,0
	Length	m		1,9

## CASTING MACHINE, BRIDGE MODEL

CAPACITY	Casting tank, water volume	m³		3,3
	Compacted concrete	m³		2,6
CONNECTION VOLTAGE 35 kW	Lift motors (2)	kW		2x9,0
	Bridge operating devices (2)	kW		2x2,2
	Wagon operating device	kW		1,1
	Grinder motor	kW		5,5
	Grinder lifting device	kW		1,1
	Hydraulic unit	kW		0,75
	Casting hopper engines:			
	- sector gates (2)	kW		2x0,75
	- vibrator motor	kW		0,5
SUPPLY VOLTAGE	3P + PE		400V / 50Hz or 460V/60Hz	

