

# PRODUCTS AND SOLUTIONS



**SKAKO**  
**CONCRETE**  
- your concrete partner

# WHAT MAKES ATLANTIS SO MUCH BETTER?

The engineering that goes into SKAKO concrete mixers continues to develop. The result is the ATLANTIS counter-current mixer which offers a series of new solutions designed for a long lifetime of producing very homogeneous mixes in short cycle times.

## Airbag

Anti-dust airbag system prevents the dust from entering the work environment.

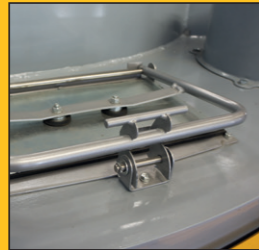


## Camera

Remote camera surveillance for monitoring mixing process from the control room.

## Inspection hatch

Inspection hatch on top of the mixer makes it possible to look into the mixer during the mixing process, without compromising safety. Optional with LED light.



## Inlet / skip hoist

Safe and dustproof inlet for skip hoist bucket. Inlet is closed when bucket is not in position. Large opening for fast discharge of materials into the mixer.



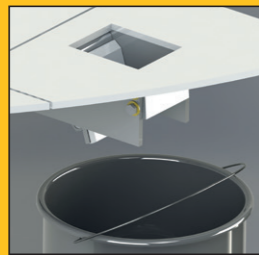
## Water proportioning

Water proportioning device enables the addition of water during production. Different models available for different types of concrete.



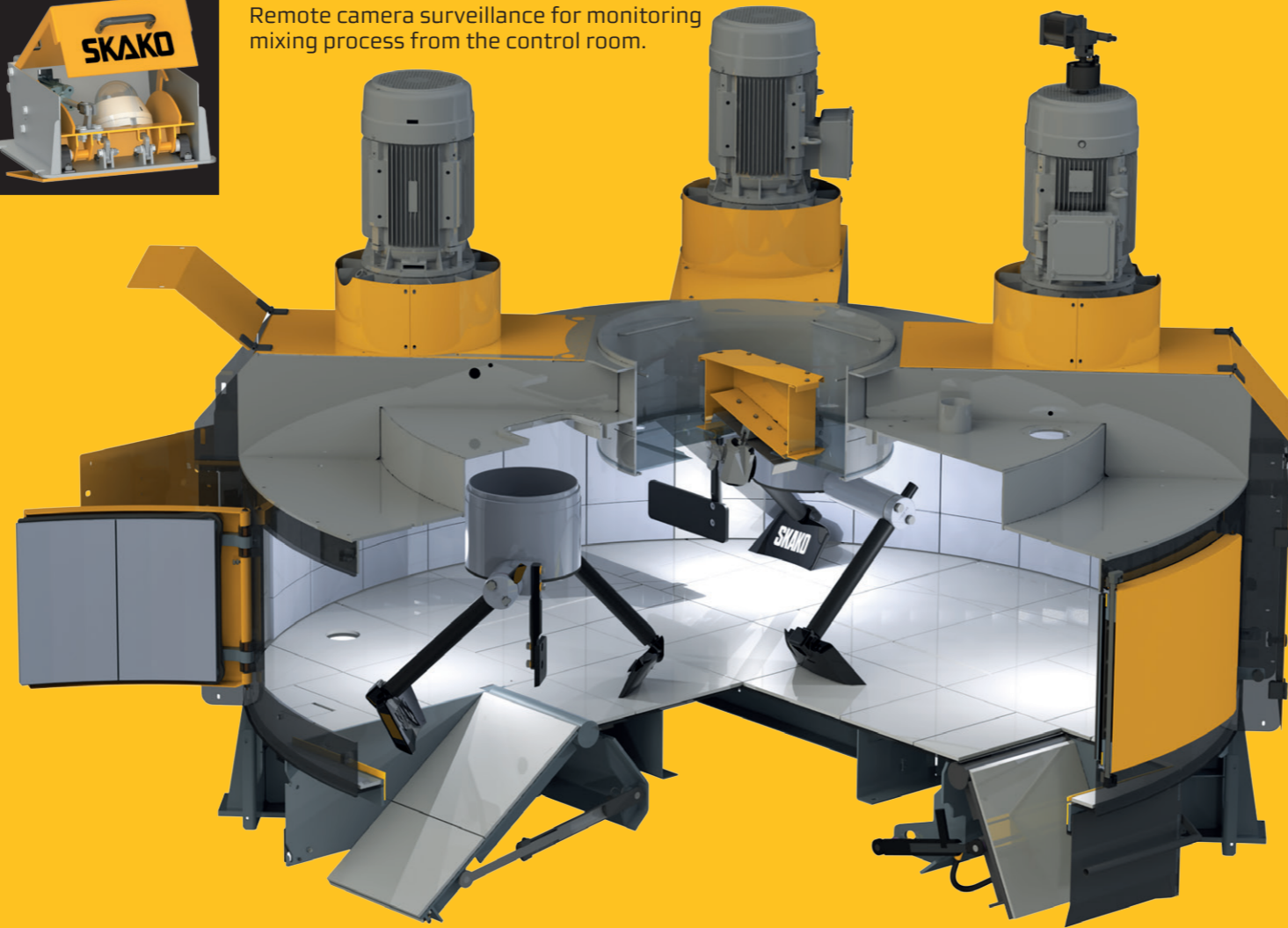
## Sampler

Semi-automatic, electro-hydraulic device for safe, easy and controlled extraction of concrete test sample.



## Shovels

Unique two-level shovel technology ensures better controlled high intensive mixing. Bolts are countersunk so concrete will not stick and old concrete will not get mixed in with new batches.



## Automatic cleaning

High-pressure cleaning system eliminates the need for manual cleaning of the inside of mixer.



## Manual operation

Mixing tools can be easily adjusted into optimal position during servicing.



## Moisture control

Electrodes measure humidity in the concrete and automatically regulate addition of water via SKAKOMAT 600.



## Hydraulic powerpack

Including manual discharge function ensures that discharge can take place in case of power failure.



## Safety system

Safety system for door openings with key interlock. The safety system meets prevailing quality and higher performance levels than required than EU safety standards.



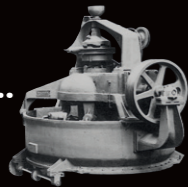
## Discharge gates

Detachable hatch with safety system for easy cleaning and maintenance.

Type	125	750	1125	1500	2250	3000	3750	4500	6000
Volume l/kg	125/200	750/1200	1125/1800	1500/2400	2250/3600	3000/4800	3750/6000	4500/7200	6000/9600
Max. output per batch m <sup>3</sup>	0.08	0.5	0.75	1.0	1.5	2.0	2.5	3.0	4.0
Motor size kW	3	18,5	30	2x22	2x30	2x37	3x30	4x30	4x37
Mixer stars	1	1	1	2	2	2	3	3	4

Evolution of mixers

1929



1963-1979



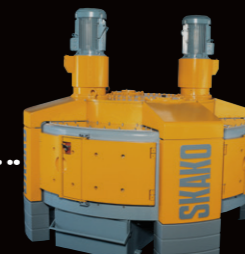
1979-1991



1991-2001



2001-2012



TODAY



# SKAKO CONCRETE ROTOCONIX®

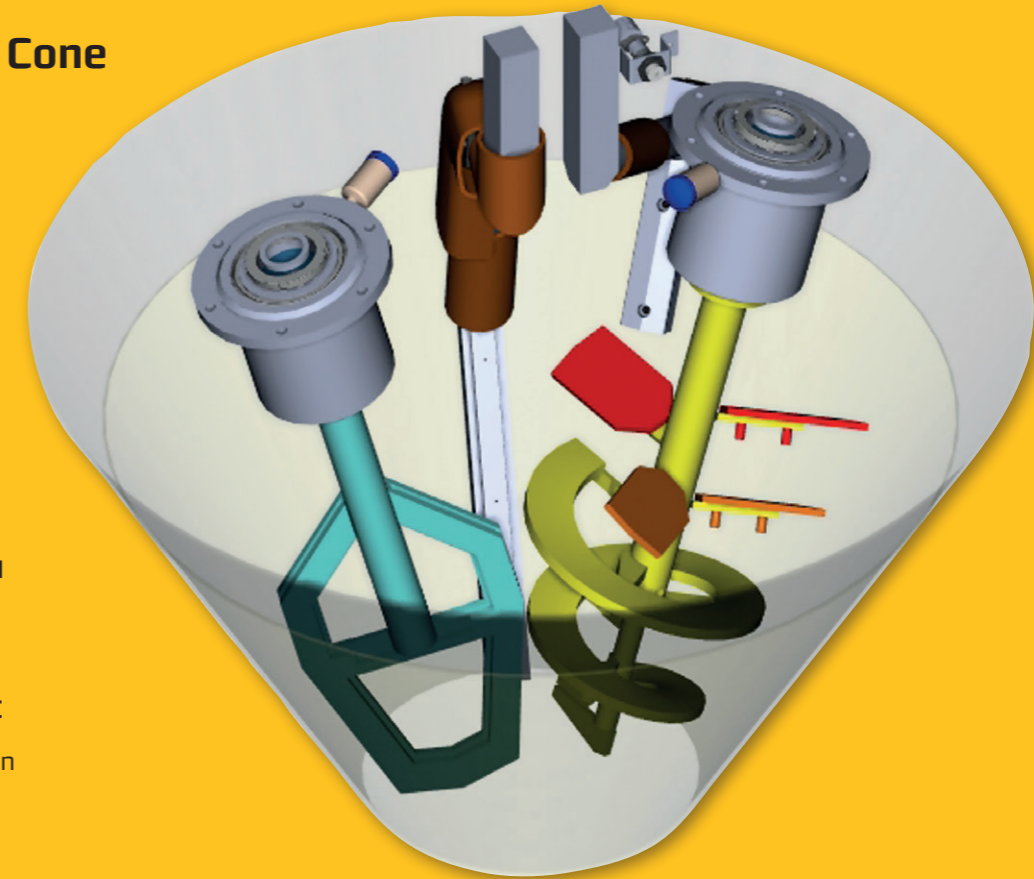
## THE ULTIMATE RESPONSE TO YOUR MIXING NEEDS

You find the ultimate response in the advanced ROTOCONIX® Mixer of SKAKO CONCRETE



### Reversible Rotating Cone

- Accelerates discharge - **MEANS SHORTER CYCLES**
- Cone with minimum surface - **MEANS FAST AND EASY CLEANING**
- No tools at inlet mean no residuals clinging from batch to batch - **MEANS BETTER CONCRETE QUALITY**
- Conical shape allows for small batches down to 5% of maximum filling capacity - **MEANS FLEXIBLE PRODUCTION**
- Removes all materials sticking to scrapers at each inversion of cone rotation - **MEANS COMPLETE DISCHARGE**
- Mixing starts at first introduction of materials - **MEANS FASTER MIXING**



SKAKO ROTOCONIX®		375	750	1500	2250
Max. changing capacity / max. charging weight	l / kg	375 / 600	750 / 1200	1500 / 2400	2250 / 3600
Output, compact concrete	l / kg	250 / 600	500 / 1200	1000 / 2400	1500 / 3600
Min. batch volume	litres	20	50	50	50
Motor power : pan rotation	kW	7.5	7.5	11	15
Motor power : screw	kW	7.5	11	22	30
Motor power : whirler	kW	11	15	30	37
Pan rotation speed range	RPM	2 - 24	4 - 16	3.5 - 14.5	3.5 - 14.5
Screw rotation speed range	RPM	10 - 120	25 - 100	18 - 72	15 - 60
Whirler rotation speed range	RPM	30 - 300	75 - 300	50 - 200	40 - 160

### Reversible Turbo Whirler

- High speed destroys and prevents lumps of non-mixed particles - **MEANS BETTER MIXING**
- Provides intense compression and increases cement activity - **MEANS POWDER SAVINGS**
- Release/snap and easily removable parts - **MEANS FAST AND EASY MAINTENANCE**

- Long life wear parts with high strength steel reinforcements - **MEANS LOW COST MAINTENANCE**
- Distributes liquids rapidly into the centre of the mix - **MEANS FASTER MIXING**

### Reversible Screw

- Homogenizes and distributes materials vertically - **MEANS BETTER MIXING**
- Ensures equal mixing at all filling levels of cone from 5% up - **MEANS FLEXIBLE PRODUCTION**
- Inversion of screw direction prevents retention of materials and accelerates discharge - **MEANS SHORTER BATCHING CYCLES**

Fully integrable with your SKAKO CONCRETE automation and control system:

### YOUR MIXING NEEDS

- Quick batching cycles
- Easy and fast discharge
- Smooth and time-saving maintenance
- Homogeneous stable quality at low cost
- Flexible size batches from same mixer – less investments
- Face concrete quality
- Automatic or easy cleaning between batches
- The motors for all three mixing functions are managed via frequency converters – means innumerable combinations e.g.:
  - 1) Rpm of individual tools
  - 2) Mixing change triggered by batch consistency
  - 3) Multi-parameter combinations for determined mix designs
- Consistency control via power consumption at different whirler speeds
- Water content control

# SKAKO CONFLEX BUCKET CONVEYOR - TRAVELS FAST AND ADAPTS

SKAKO

## What do you require from a bucket conveyor system

- To make the bucket travel fast from mixer to work station and back again?
- And to reduce the number of conveyors needed?
- Please keep the noise level low!
- Make the bucket conveyor adapt to the mixer plant and not vice versa!
- Make it extendable with fewer difficulties!

## ... and how does SKAKO fulfill

- SKAKO CONFLEX travels at 4.5 m per second!
- The bucket wheels run with wear resistant rubber tires on the rails.
- CONFLEX inclines up to 12°. Flexible to reach various heights.
- The CONFLEX system has a modular design. Possible to change both track and specifications. Switch tracks possible if two buckets must pass each other.



	CONFLEX 1500	CONFLEX 3000	CONFLEX 3750	CONFLEX ECO 1500	CONFLEX ECO 3000
Speed m/sec. *)	4.5	Up to 9°: 4.5 Over 9°: 3.2	Up to 3.25°: 4.5 Over 3.25°: 3.2	1.5	1.5
Curves	Yes	Yes	Yes	Yes	Yes
Inclines	Yes	Yes	Yes	No	No
Power	Hydraulic	Hydraulic	Hydraulic	Electrical	Electrical
Drive	4 x 4	4 x 4	4 x 4	2 x 4	2 x 4

\*) Speeds indicated refer to speed on the entire track on horizontal sections



- Order box or via tablet/smartphone.
- Full integration of concrete mixing/batching and distribution system.

## A flexible and sealed discharge system

- The entire layout is entered into the SKAKOFLEX control and software and makes it possible to adapt the speed and approach the movable station correctly.
- Combines more mixing plants with several work stations.
- CONFLEX travels up to 4.5 m/sec.
- The control system controls up to 5 buckets, 30 work stations and 8 mixers.



- CONFLEX is available in three sizes each of them with rotating or bottom discharge – the bottom one with completely sealed closure system. Possibly even buckets with a two-compartment hopper to separate two kinds of concrete.
- Always to know the exact position of the bucket. To let it seek and find also movable stations.



When turning, the CONFLEX uses a small radius of curvature.



A SKAKO CONFLEX conveyor bucket arriving at work station.

Rotating discharge



Bottom discharge - crosswise



Bottom discharge - lengthwise



- High speed – up to 4.5 m/sec.

- Inclines up to 12°
- Low noise

- High safety factor
- Flexible

# SKAKO CONCRETE DISTRIBETON



## CONCRETE DISTRIBUTION SYSTEM FOR MOULDS AND CASTING MACHINES

- SKAKO DISTRIBETON transports fresh concrete from conveyor bucket to any point of usage in factory hall
- Movable or fixed stations
- Fully or semi-automatic ordering system via touch panel or tablet
- Two types of bottom discharge



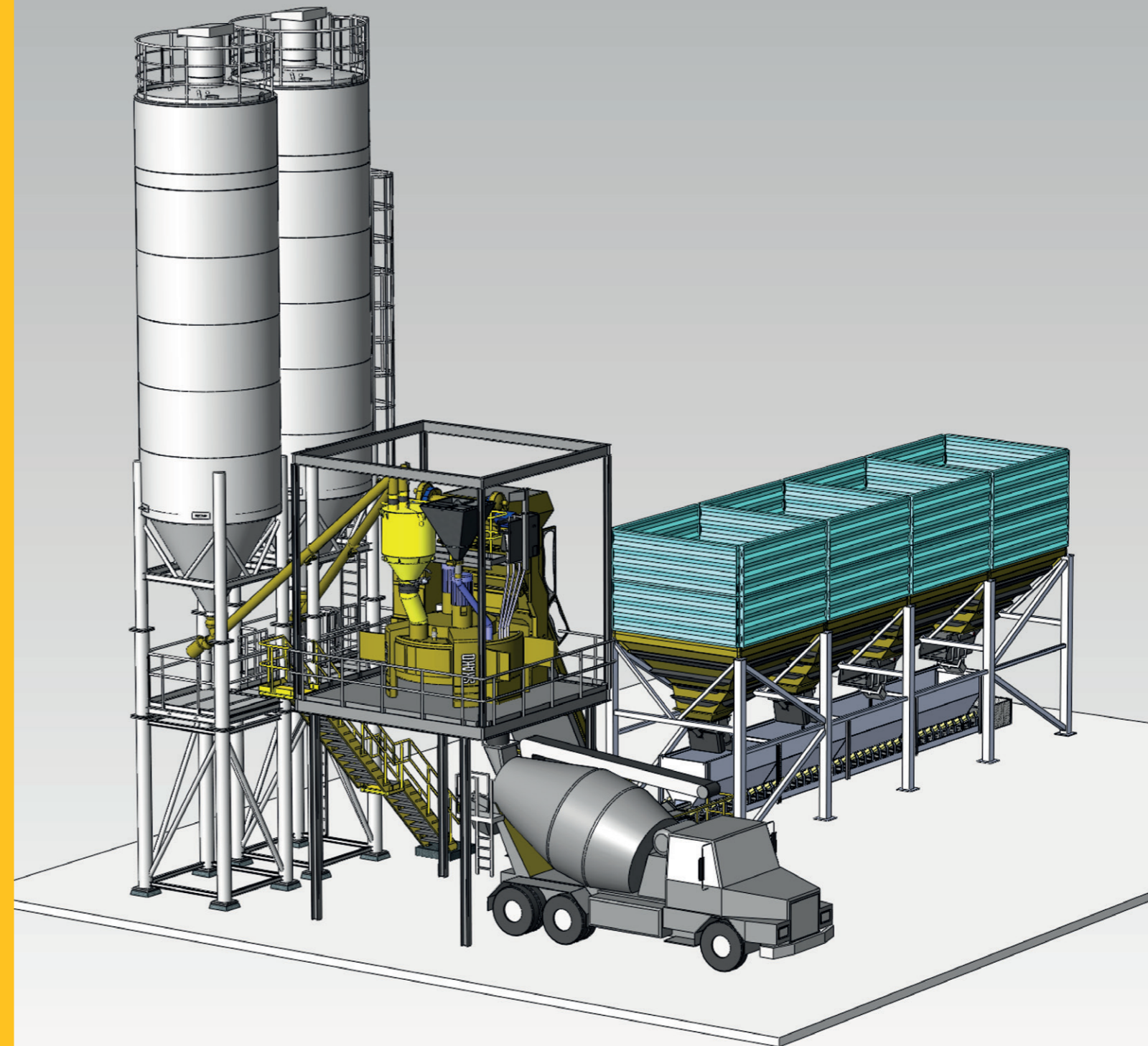
- Hydraulically operated gate
- Bottom discharge gate for all types of concrete
- Single discharge for SCC concrete

- Double discharge for dry concrete
- Portal or semi-portal design Up to 26 m span

- Dumping or controlled discharge of concrete
- High-pressure cleaning
- Raisable/lowerable bucket

# ROW SILO PLANTS

THE MODULAR DESIGN MEETS ALL YOUR NEEDS FOR UNLIMITED NUMBER OF ROWS AND COMPARTMENTS



- Optimal opportunities to tailor the solution to your specific needs
- Different surface treatments: Painted or galvanized
- Walls are easy to assemble trapezoidal profiles

- Easy access to the silo through a manhole
- An inlet box on the silo deck prevents contamination of materials
- Roof constructions can be supplied in a wide range of designs

- Cladding is available with or without insulation
- A wide range of supplementary equipment, such as heating or shock blasters for the silo cone

# HIGH SILO PLANTS

THE BEST POSSIBLE UTILIZATION OF THE PRODUCTION AREA, HIGH CAPACITY – SMALL FOOTPRINT

- Up to 1200 m<sup>3</sup> storage capacity – up to 4 mixers



# SKAKO PLANT SOLUTIONS

- MASTERMIX
- MAXIMUM MODULARITY
- MOBILITY

## JOBSITE PLANTS

- Up to 4500 litre mixer



- An eco-friendly choice with optimal utilization of the resources
- Reduced power consumption on account of short distance material transport
- A minimum of moving parts means less maintenance costs

- A high level of modularity with many options for customer-specific adaption
- A wide range of extra equipment such as platforms, ladders, stairs and crane beams
- No spillage during proportioning

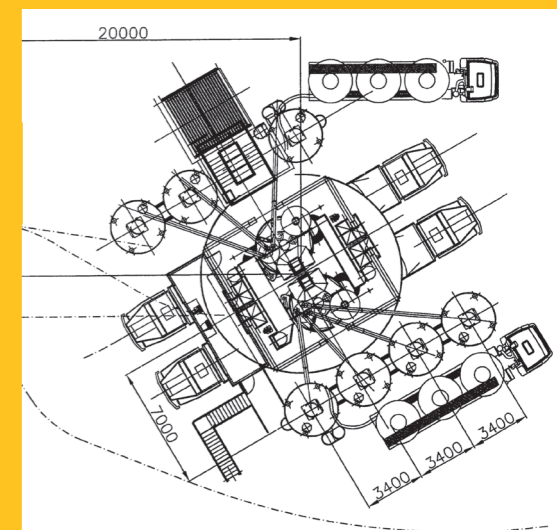
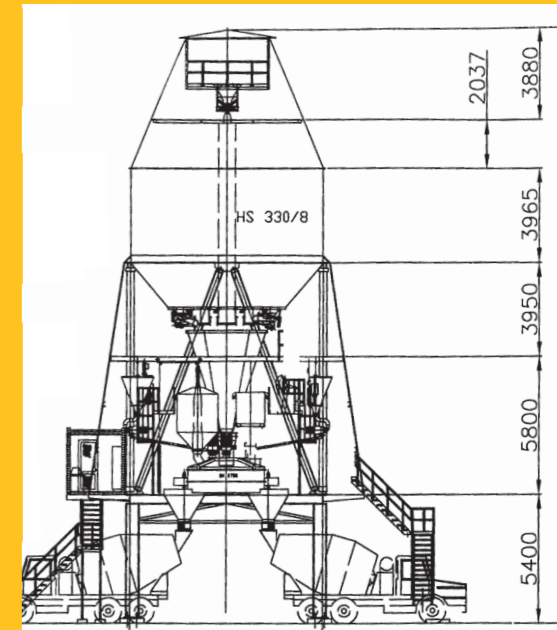
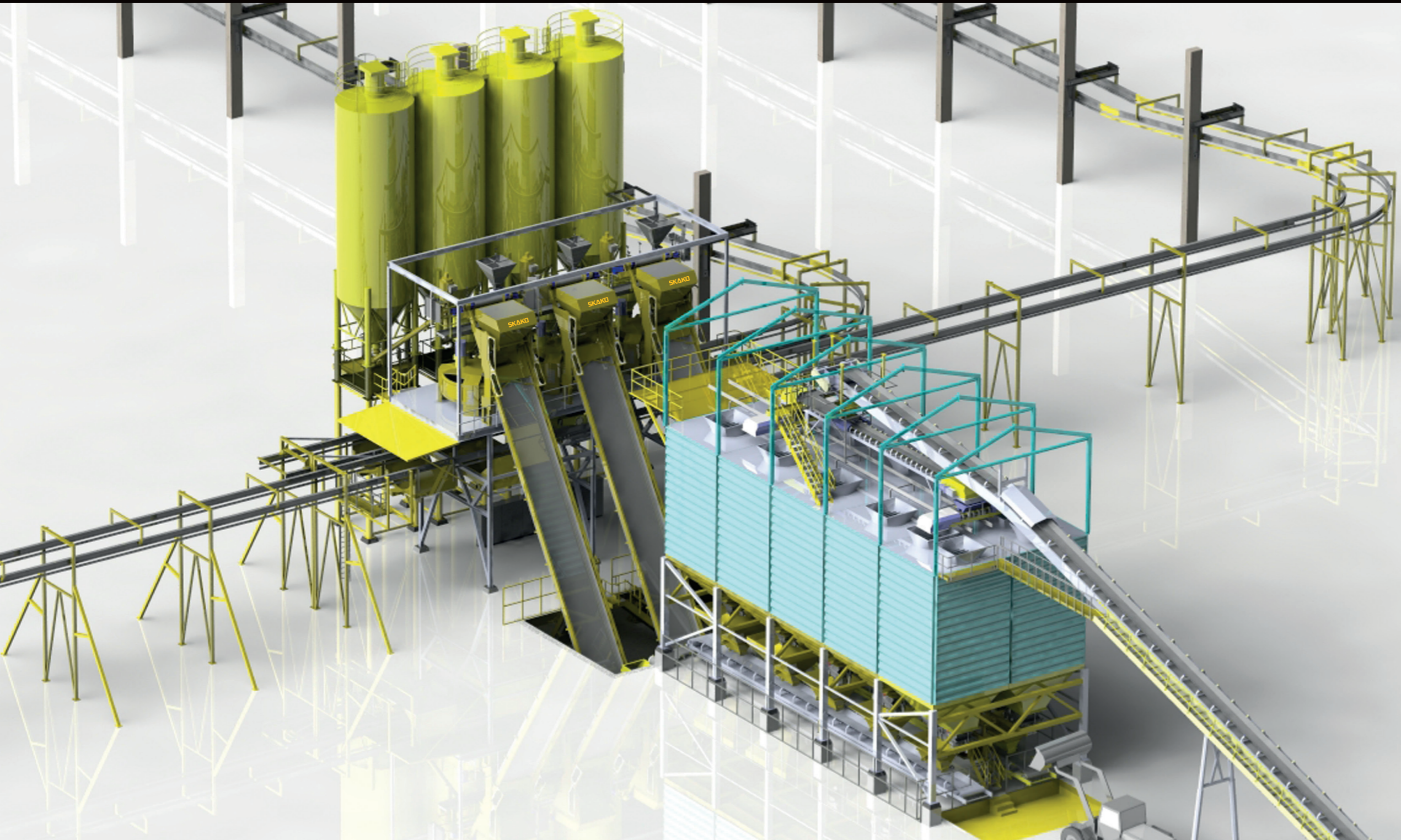
- Frost-free storage of aggregates in heated, insulated silo compartments
- Make your company visible with a conspicuous landmark
- Short proportioning cycles result in fast production start-up and high output

- Fast installation, reduced civil engineering, precabled and pretested
- Easily removable and transportable
- Modular: 4-8 compartments, one big or two small outlet gates per compartment. Up to five screw conveyors

- Safe: Platform with secure railing, anti-slippery landing, floor level access to maintenance
- Comfortable: Easy access for cleaning/inspection, bracket to lift up spares, flexible and resistant chute
- Automation/optimization of production

- Ergonomic: Wide access platform around mixer, plating easy to wash
- Maximum output capacity
- Proven strength and reliability
- Environment: Galvanized weigh hopper for clean or recycled water

# ANALYZE YOUR NEEDS FOR CONCRETE PRODUCTION...



**ASK SKAKO CONCRETE  
FOR REFERENCES ...**

SKAKO CONCRETE is a professional and experienced group specialized in development, supply, installation and servicing of complete plants for production of concrete.

SKAKO CONCRETE's main purpose is to develop solutions adapted to future requirements, meeting the individual needs of our customers and so helping them strengthening their position in their market.

We offer knowledge, experience, flexibility and understanding of your situation. Basis of this are mutual discussions and co-operation.

**... AND LET US DESIGN AND PROPOSE  
YOUR FUTURE RELIABLE, FUNCTIONAL, RATIONAL,  
COMPACT, SAFE AND ENERGY-SAVING PLANT!**

# SKAKOMAT 300 - 600 S - 600 SQL

# FULLY AUTOMIZED WITH SKAKO CONTROL SYSTEM



SKAKO control system and equipment is continuously developed by SKAKO's own engineers in cooperation with our customers looking to increase productivity and ensure correct mixing ratio and a homogeneous improved quality.

**SKAKO puts integrated automation technology at your fingertips.**

From ordering, proportioning, mixing with consistency control to transportation, SKAKO is ready to improve your process all the way.

SKAKO equipment and solutions are your guarantee for long lifetime, safety and efficiency with concern for communities and the environment.



**Streamline business processes:**

- Fast calculation of key figures
- Visualized storage
- Increase of productivity
- Overall Equipment Efficiency features
- High-speed transportation
- Reducing cycle times
- Concrete delivery to all types of production equipment
- Unlimited mix designs
- Supports EN206
- Control of complex plants – SKAKO plants as well as non-SKAKO plants
- ERP interface
- Fixed and handheld control devices for use in production (ordering batch size and consistency control, etc.)
- Active integrated moisture control in aggregates and concrete
- Log and backup of all data



- Improved productivity
- Improved consistency control
- Improved transport efficiency
- Improved quality

- Fully automated production control
- Reduction of production costs

- Total data security
- Simplicity



# SERVICE & SUPPORT



## SKAKO original spare parts assistance

We understand the importance of fast and reliable spare parts service. Our extensive inventory of original spare parts, together with our staff of experienced experts, is your guarantee that we can deliver on this promise.

You can conveniently reach SKAKO for spare parts service by phone or mail.

Always insist on original SKAKO spare parts for guaranteed quality and performance.

Visit our webshop here: [www.skako.com/webshop](http://www.skako.com/webshop)

Monday-Thursday 07.30-15.30

Friday 07.30-15.00

Tel.: +45 63 61 61 00

Hotline: +45 70 26 26 45

[webshop@skako.com](mailto:webshop@skako.com)

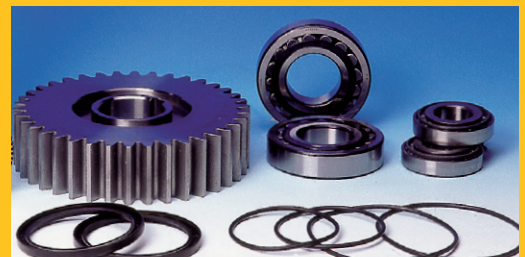
[sparepart@skako.com](mailto:sparepart@skako.com)



## On-demand technical support

SKAKO customers can always choose to purchase the services and support they need on-demand.

- Plant performance
  - Plant review
  - Plant optimization
- Three-level service contracts
- Onsite service
- Onsite repair
- Calibration
- Own repair workshop
- Software backup and updates
- Telephone and online support



[www.skako.com](http://www.skako.com)

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