

CONCRETE BATCHING PLANTS & OTHER PRODUCTS

Stabilization Plants • Concrete Recycling Plants • Trailer Type Concrete Pumps



Since 1975

elkon

INDEX

- 04** ELKON Production Facilities
- 07** Mobile Concrete Batching Plants
- 15** On-Site Concrete Batching Plants
- 17** Compact Concrete Batching Plants
- 27** Stationary Concrete Batching Plants
- 38** Optional Equipments
- 39** Other Products
- 44** Automated Agregate Feeding System
- 46** ELKON Automation System
- 47** Top References



ABOUT US

ELKON, which was founded in **1975**, has a well established background in the production of concrete batching plants.

With more than **40 years of experience**, ELKON is the leader concrete batching plants manufacturer in Turkey and the largest manufacturer of concrete batching plants in Europe as well with its annual production and sales number.

ELKON takes the advantage of innovation & advanced technologies aiming to offer the best solutions to the needs of customers in different geographies. In this respect ELKON offers a wide range of products, which are **mobile, compact, on-site and stationary type concrete batching plants** as well as **stationary (trailer type) concrete pumps, concrete recycling systems, cement silos and cement feeding systems. Moreover, tailor-made concrete batching plants, block making machines, high speed concrete traveling buckets and ground buckets** are manufactured for precast industry such as producers of concrete blocks, interlocks, pipes, hollow core etc.

ELKON has proudly announced its brand with more than **3500** units of concrete batching plants operating in over **120** countries on **6** continents. Moreover, ELKON has managed to be the first choice of leading construction and ready mix companies all over the world with its advanced technology and superior quality level. Its experience shows that ELKON products are well accepted and proved its performance and efficiency in many different applications.

ELKON, with the vision of using the most advanced technologies which is taken on the basis of its

production, has established 15 different fully automated robotic *welding, painting, grinding & drilling* stations in its factories in recent years. Thus, most of the manufacturing process is being done by these high-tech robots.

Customer oriented after sales service approach, which is offered beside of the technological production, managed to meet the service and spare part requirements of ELKON users in the shortest time and as a result of customer satisfaction almost half of the new sales are made to the existing customers and the references of them.

ELKON has always been a follower of technological development and has been a pioneer in its sector. Thanks to the efforts of its **certified research & development center** and innovation departments, ELKON has become the first Turkish manufacturer of "Mobile Concrete Batching Plants", "Winterized Concrete Batching Plants", "On-Site Concrete Batching Plants", "High Speed Concrete Traveling Buckets" and many others.

ELKON proves its success in innovation by receiving "Design Turkey Superior Design Award" in Capital Goods branch with ELKOMIX-35 QUICK MASTER Compact Batching Plant in 2010 and "Design Turkey Good Design Award" in 2012 with its new MOBILE MASTER-150 ELEPHANT. Furthermore, ELKON was awarded with the "Golden Zeus Award" in 2009 due to its innovative solutions and the high quality in the concrete batching plants exported to Russia.

ELKON assures its high quality with TUV ISO 9001: 2015 (Germany) and CE, GOST-R, UkrSEPRO Certificates.



“We will continue to make difference in the concrete batching plant industry by maintaining our technological investments with the vision of having the world’s most technologically advanced concrete batching plant factory.”

Mustafa ALPAGUT
Chairman

ELKON PRODUCTION FACILITIES

Having technological and powerful production facilities to manufacture the equipments that are leading the sector and satisfy the expectations and requirements of customers is always important for ELKON.

In the awareness of this, ELKON has been expanding its production facilities since its foundation in **1975** and now ELKON is carrying out its manufacturing activities with its experienced staff and by using modern manufacturing technologies in its **4 factories** having **65.000 m²** production area in Cherkezkoy which are **ELKON-1** (Concrete Batching Plant and Mixer Factory) founded in 1989, **ELKON-2** (Mobile Concrete Batching Plant Factory) founded in 2006, **ELKON-3** (Cement Silo and Transfer Conveyor Factory) founded in 2007 and **ELKON-4** (Compact and Stationary Type Concrete Batching Plant Factory) founded in 2011. ELKON has been carrying out its management activities in its headquarter having 1200 m² area which is located in Esentepe-Istanbul, Turkey.

ELKON knows importance of Innovation and R&D work for sustainability. In this regard, ELKON recently opened its Research & Development Center certified by the Ministry of Industry and Technology in Turkey. Nearly 40 engineers carry out all kinds of research and development activities

from the design of new products to the development of new materials etc. with technological devices.

ELKON has reached the **500 units/year** concrete batching plant production capacity thanks to the manufacturing power, technological infrastructure and experienced engineers/workers in its integrated production facilities.

CNC processing machines, robotic welding, drilling, painting lines, high-precision production molds and mass production lines ensure the highest quality in every product manufactured by ELKON.

ELKON, with a **“Respect to Environment”** policy, has been using paint booths with latest technology in all of its factories to minimize environmental effects. Thus, the environment is protected against toxic waste by filtering. The rain water is being recycled&reused in all ELKON factories and waste materials generated during manufacturing processes are received and annihilated by private companies in their chemical waste department. Required lighting in the facilities is minimized due to special roof design and special roof materials, so the energy consumption of lighting and heating has been decreased.





ADVANCED MANUFACTURING TECHNOLOGY OF ELKON

ELKON which has been using the most advanced technology possible in the production of concrete machinery, has accelerated the technological production investment with the goal of becoming the pioneer in its sector with the usage of advance production technologies.

Along with the recent investments made to achieve this goal, 15 different production stations of automatic welding, painting, grinding & drilling robots were installed in addition to the CNC machines, laser cutting machines, special manufacturing molds etc.

In these robotic production stations, in addition to the welding processes of the cement screws, bolted type cement silos, aggregate storage bin panels, for the first time in Europe, the welding processes of the twinshaft mixers in all capacities and aggregate storage bins (12 meters in length) can be performed.

Recently, 3 more robots were added to the robot fleet of ELKON. 2 of them are used for automatic painting and other one is used for drilling & grinding on components.

With our new production robots, we have reached;

- The annual production capacity of **1800 cement screws** in different capacities in one shift
- The annual production capacity of **500 twinshaft mixers** in different capacities in one shift
- The annual production capacity of **1000 cement silos** in different capacities in one shift
- The annual production capacity of **500 aggregate bins** in different capacities in one shift





AFTER SALE SERVICE AND SUPPORT

ELKON, which is well aware of the importance of the customer satisfaction, has highly skilled after sale service team to assist all customers in a very quick and high-quality manner. ELKON succeeded not only to supply the highest quality, heavy duty and durable equipments to its customers in a wide geography from Canada to Australia, from Chile to South Africa; it has also succeeded to provide on time after sale support whenever it is needed by its experienced engineers and supervisors.

Therefore, all ELKON users feel the confidence of having an advanced quality plant knowing that they could get outstanding after sale service from ELKON team.

Now, ELKON is proud of being capable of giving the quickest after sale service to all of its customers even in very remote regions and is proud of performing almost half of its new sales to its existing customers or their references.

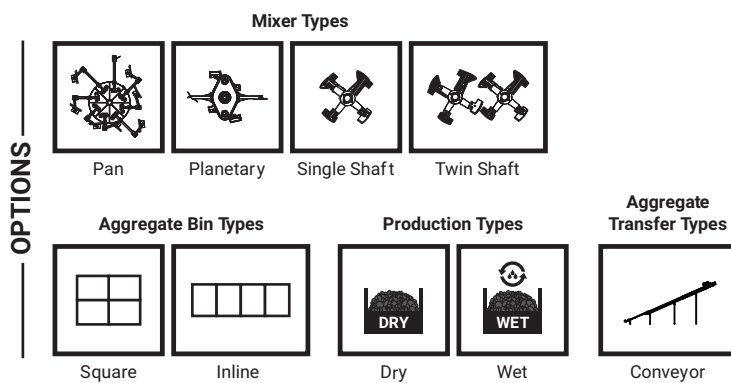
Principal Features of ELKON's After Sale Service are listed below:

- ELKON's main goal is to satisfy its customers in all situations.
- ELKON stores all spare parts in large quantities for all its concrete batching plant models in its spare part warehouses, guarantees minimum 10 years spare part support to its customers and reduces the spare part costs with its long-life wearing parts.
- Providing the quickest delivery of spare parts from its warehouses with the advantage of having all spares in its stocks.
- ELKON's logistics department will provide the fastest transport solution to deliver spare parts.
- Making easy to request spare parts with the detailed spare part books which include the photos and unique reference numbers of each spares.
- Specialized supervisors and engineers are always available to provide technical support whenever customer needs.
- Required checking and adjustments to the automation system of concrete batching plant can be done by remote connection via internet. ELKON engineers can guide the users to solve most of the issues by remote internet access.
- Technical support by telephone is available in several languages by multilingual staff; English, French, Spanish, Russian, German, Arabic etc.
- During starting up the plant, ELKON supervisors are training the customers' operators and engineers about operation, maintenance, cleaning etc.



MOBILE MASTER SERIES

Mobile Concrete Batching Plants



MODELS

- Mobile Master-30 Eagle
- Mobile Master-60 Pegasus
- Mobile Master-60 Bear
- Mobile Master-60 Panthera
- Mobile Master-100 Lion / Lion+
- Mobile Master-135 Jaguar
- Mobile Master-150 Elephant

ELKON Mobile Master Series

ELKON Mobile Master Series mobile concrete batching plants were designed to fulfill flexibility and mobility requirements especially for the construction companies need to change the location of their concrete batching plants regularly depending on their ongoing projects. Besides that, nowadays ready mix companies also prefer to have maximum mobility for supplying concrete to their customers wherever they want and minimize concrete transportation costs with putting a concrete batching plant close to their customer's site. Therefore, there should be a concrete batching plant which has easy transportation, short assembly and disassembly advantages.

ELKON mobile concrete batching plants provide all these advantages as their main components are designed on a mono-block chassis which has axle and tires. Thanks to this ultimate design, the main unit of an ELKON mobile concrete batching plant can be transported by only 1 unit truck trailer. Installation of a mobile concrete batching plant only takes 1-2 days.

ELKON has the widest capacity range for mobile concrete batching plants in the market, which are from 30 m³/h to 150 m³/h.



Easy and Cost-Effective Transportation

Main components equipped on a monoblock chassis can be transported with one truck trailer.



Quick Installation and Start Up Period (1-2 days)

Main modules and cables are preinstalled in ELKON factories to ensure easy and quick assembly on site.



Minimum Area Requirement for Installation

Variable installation configurations thanks to the special design.



Simple Foundation Requirement

All components will be installed on ground level (zero level).



High Quality and Precise Concrete Production

Fully Automated Computerized Control System (SCADA).



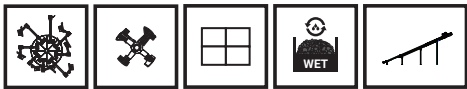
Widest Product Range

From 30 to 150 m³/h capacity with different mixer types.

MOBILE MASTER-30 EAGLE



30 m³/h



TECHNICAL SPECIFICATIONS

Capacity	30 m ³ /h
Aggregate Storage Bins Capacity	4 x 10 m ³
Aggregate Weighing Capacity	1250 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	750 / 500 l
Mixer Type	Pan / Single Shaft
Cement Weighing Capacity	300 kg
Water Weighing Capacity	200 kg
Additive Weighing Capacity	2 x 15 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	165 mm



MOBILE MASTER-60



50 m³/h



TECHNICAL SPECIFICATIONS

Capacity	50 m³/h
Aggregate Storage Bins Capacity	4 x 13,5 m³
Aggregate Weighing Capacity	2500 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	1500 / 1000 l
Mixer Type	Pan / Planetary / Twinshaft
Cement Weighing Capacity	600 kg
Water Weighing Capacity	300 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	220 mm
Built in Cement Silo (only for Bear model)	36 tons

MOBILE MASTER-100 LION / LION+



90-100* m³/h



TECHNICAL SPECIFICATIONS

Capacity	90 - 100* m³/h
Aggregate Storage Bins Capacity	4 x 22,5 m³
Aggregate Weighing Capacity	5000 kg - 6250 kg *
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	3000 / 2000 l or 3750 / 2500 l *
Mixer Type	Twin Shaft
Cement Weighing Capacity	1300 kg or 1450 kg *
Water Weighing Capacity	600 kg or 750 kg *
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	273 mm



MOBILE MASTER-135 JAGUAR



110 m³/h

TECHNICAL SPECIFICATIONS

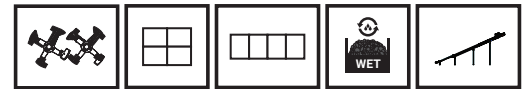
Capacity	110 m ³ /h
Aggregate Storage Bins Capacity	4 x 22,5 m ³
Aggregate Weighing Capacity	6600 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	4500 / 3000 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	1600 kg
Water Weighing Capacity	900 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	273 mm



MOBILE MASTER-150 ELEPHANT



150 m^3/h



TECHNICAL SPECIFICATIONS

Capacity	150 m^3/h
Aggregate Storage Bins Capacity	4 x 30 m^3
Aggregate Weighing Capacity	9900 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	6750 / 4500 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	2500 kg
Water Weighing Capacity	1100 kg
Additive Weighing Capacity	2 x 50 l
Control System	SIEMENS or ABB
Cement Screw Diameter (\varnothing)	323 mm



MIX MASTER SERIES

On-Site Concrete Batching Plants



— OPTIONS —

Mixer Types



Pan



Planetary

MODELS

Mix Master-30

MIX MASTER-30



30 m³/h



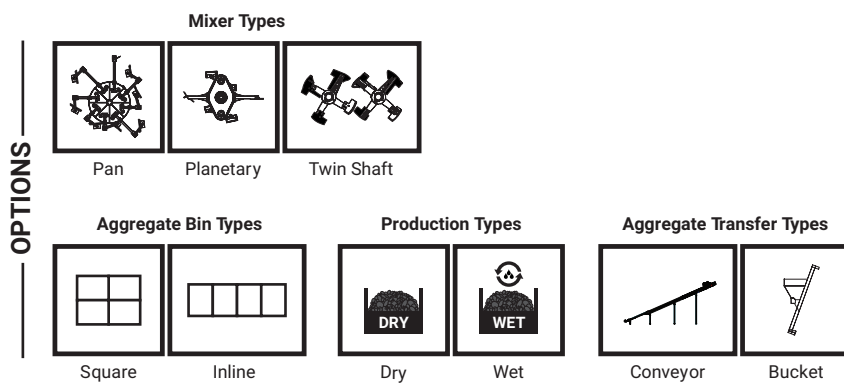
TECHNICAL SPECIFICATIONS

Capacity	30 m³/h
Aggregate Storage Bins Capacity	2 x 5 m³ or 4 x 5 m³
Aggregate Weighing Capacity	Weighed in the mixer
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	750 / 500 l
Mixer Type	Pan / Planetary
Cement Weighing Capacity	300 kg
Water Weighing Capacity	200 kg
Additive Weighing Capacity	1x25 l
Control System	Included
Cement Screw Diameter (Ø)	165 mm



QUICK MASTER SERIES

Compact Concrete Batching Plants



MODELS

ELKOMIX-35 Quick Master
 ELKOMIX-60 Quick Master
 ELKOMIX-90 Quick Master
 ELKOMIX-120 Quick Master
 ELKOMIX-135 Quick Master
 ELKOMIX-160 Quick Master
 ELKOMIX-200 Quick Master



Minimum Area Requirement for Installation

Due to its compactness, very small area is required for installation. It gives a big opportunity to the users for producing concrete even in very small job sites.



Linear or Square Type Aggregate Storage Bin Options

Compact concrete batching plants can be equipped with either square or linear type aggregate storage bins as per the customers' requirement.



Easy and Cost-Effective Transportation to Overseas

Compact series were specifically designed to be fitted into minimum quantity of containers to reduce the shipping cost to overseas.

ELKON Compact Concrete Batching Plants

ELKON compact concrete batching plants bring a new perspective to the concrete plant as a result of ELKON's innovative approach. They are designed to meet the new requirements of rapidly changing and developing construction sector, such as easy and cost-effective transportation requirement.

For this purpose, ELKON focused on designing of a compact concrete batching plant which can be fitted into minimum quantity of containers. In this way the transportation cost will be reduced incredibly especially to oversea countries. By managing to put the main unit of an ELKON compact concrete batching plant into a 1 unit 40' OT container only, the shipping

costs reduced 3-4 times comparing to their equivalent concrete plants. (Main unit of Elkomix-35 Quickmaster Compact Concrete Batching Plant can be fitted into 1 unit 40' OT container.)

ELKON compact type concrete batching plants can be installed even in a very small job sites due to their real compact design.

The main modules of compact concrete batching plants are pre-assembled and the cables are pre-wired in ELKON factories before shipment to reduce assembly time significantly. Installation of a compact concrete batching plant only takes 1-2 days.



Simple Foundation Requirement

All components can be installed on a flat concrete surface at zero level ground.



Quick Installation and Start up Period (1-2 days)

Main modules and cables are preinstalled in ELKON factories to ensure easy and quick assembly on site.



High Quality and Precise Concrete Production

Due to Fully Automated Computerised Control System, to produce high quality and precise concrete production is very easy.

ELKOMIX-35 QUICK MASTER



30_{m³/h}



TECHNICAL SPECIFICATIONS

Capacity	30 m³/h
Aggregate Storage Bins Capacity	4 x 7,5 m³ / 3-4 x 10 m³
Aggregate Weighing Capacity	1250 kg
Agregate Loading Type Into Mixer	Aggregate Bucket
Mixer Capacity	750 / 500 l
Mixer Type	Pan / Planetary
Cement Weighing Capacity	300 kg
Water Weighing Capacity	200 kg
Additive Weighing Capacity	2 x 15 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	165 mm



ELKOMIX-60 QUICK MASTER



55 m³/h

TECHNICAL SPECIFICATIONS

Capacity	50 - 55 m ³ /h
Aggregate Storage Bins Capacity	4 x 15 m ³ / 3-4 x 20 m ³
Aggregate Weighing Capacity	2500 kg
Agregate Loading Type Into Mixer	Aggregate Bucket / Transfer Conveyor
Mixer Capacity	1500 / 1000 l
Mixer Type	Twin Shaft / Planetary
Cement Weighing Capacity	600 kg
Water Weighing Capacity	300 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	220 mm



ELKOMIX-90 QUICK MASTER



75^{m³/h}



TECHNICAL SPECIFICATIONS

Capacity	70 - 75 m³/h
Aggregate Storage Bins Capacity	4 x 20 m³
Aggregate Weighing Capacity	3300 kg
Agregate Loading Type Into Mixer	Aggregate Bucket/ Transfer Conveyor
Mixer Capacity	2250 / 1500 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	900 kg
Water Weighing Capacity	450 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMEN or ABB
Cement Screw Diameter (Ø)	273 mm



ELKOMIX-120 QUICK MASTER



100-110*_{m³/h}

TECHNICAL SPECIFICATIONS

Capacity	100 - 110* m³/h
Aggregate Storage Bins Capacity	4 x 20 m³
Aggregate Weighing Capacity	5000 kg
Aggregate Loading Type Into Mixer	Aggregate Bucket / Transfer Conveyor *
Mixer Capacity	3000 / 2000 l or 3375 / 2250 *
Mixer Type	Twin Shaft
Cement Weighing Capacity	1300 kg
Water Weighing Capacity	600 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	273 mm



ELKOMIX-135 QUICK MASTER



120 m^3/h



TECHNICAL SPECIFICATIONS

Capacity	120 m^3/h
Aggregate Storage Bins Capacity	4 x 20 m^3
Aggregate Weighing Capacity	6600 kg
Agregate Loading Type Into Mixer	Aggregate Bucket / Transfer Conveyor
Mixer Capacity	4500 / 3000 l or 5000 / 3330 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	1600 kg
Water Weighing Capacity	900 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (\varnothing)	273 mm



ELKOMIX-160 QUICK MASTER



140 m³/h

TECHNICAL SPECIFICATIONS

Capacity	140 m ³ /h
Aggregate Storage Bins Capacity	4 x 30 m ³
Aggregate Weighing Capacity	8800 kg
Aggregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	6000 / 4000 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	2200 kg
Water Weighing Capacity	1000 kg
Additive Weighing Capacity	2 x 50 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	323 mm



ELKOMIX-200 QUICK MASTER



175

m³/h



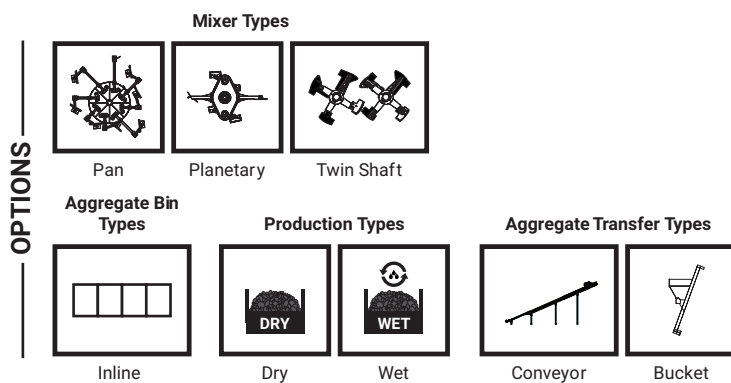
TECHNICAL SPECIFICATIONS

Capacity	175 m ³ /h
Aggregate Storage Bins Capacity	4 x 30 m ³
Aggregate Weighing Capacity	11000 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	7500 / 5000 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	2750 kg
Water Weighing Capacity	1200 kg
Additive Weighing Capacity	2 x 50 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	323 mm



ELKOMIX SERIES

Stationary Concrete Batching Plants



MODELS

ELKOMIX-60
 ELKOMIX-120
 ELKOMIX-135
 ELKOMIX-160
 ELKOMIX-180
 ELKOMIX-200
 ELKOMIX-240
 ELKOMIX DOUBLE MIXER

ELKON Stationary Concrete Batching Plants

ELKON has a wide range of stationary concrete batching plants which have production capacity from 60 m³/h to 240 m³/h with one mixer. In addition to this, the capacity can reach up to 480 m³/h in stationary type concrete batching plants with double mixer on the same chassis.

ELKON stationary concrete batching plants are mostly preferred for high capacity concrete production requirements, for special projects and for the projects which will take a long time in the same location.

If required, ELKON specially locates the stationary type concrete batching plants in limited areas to maximize the benefits of the customer and makes special designs upon customer requests.

ELKON stationary type concrete batching plants are the products of ELKON's production view which have high quality and advanced technology, which has been submitted as an ELKON standard since 1975. ELKON stationary type concrete batching plants provide below given advantages to the concrete producers;

- High Production Performance
- High Quality and Precise Concrete Production (with Fully Automated Computerized Control System)
- Different Layout Options according to Customer Requirements
- Possibility for Different Kinds of Concrete Production with Different Type of Mixers





ELKOMIX-60



60_{m³/h}



TECHNICAL SPECIFICATIONS

Capacity	60 m³/h
Aggregate Storage Bins Capacity	4 x 20 m³
Aggregate Weighing Capacity	2500 kg
Agregate Loading Type Into Mixer	Aggregate Bucket / Transfer Conveyor
Mixer Capacity	1500 / 1000 l
Mixer Type	Pan / Planetary / Twin Shaft
Cement Weighing Capacity	600 kg
Water Weighing Capacity	300 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	220 mm



ELKOMIX-120



100-110^{*}_{m³/h}

TECHNICAL SPECIFICATIONS

Capacity	100 - 110* m³/h
Aggregate Storage Bins Capacity	4 x 30 m³
Aggregate Weighing Capacity	2 x 2500 kg / 5000 kg
Agregate Loading Type Into Mixer	Aggregate Bucket / Transfer Conveyor
Mixer Capacity	3000 / 2000 l or 3375 / 2250 l *
Mixer Type	Pan / Planetary / Twin Shaft
Cement Weighing Capacity	1300 kg
Water Weighing Capacity	600 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	273 mm



ELKOMIX-135



135

m³/h



TECHNICAL SPECIFICATIONS

Capacity	120 - 135 m ³ /h
Aggregate Storage Bins Capacity	4 x 30 m ³
Aggregate Weighing Capacity	2 x 3300 kg / 6600 kg
Agregate Loading Type Into Mixer	Aggregate Bucket / Transfer Conveyor
Mixer Capacity	4500 / 3000 l or 5000 / 3330 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	1600 kg
Water Weighing Capacity	900 kg
Additive Weighing Capacity	2 x 25 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	273 mm



ELKOMIX-160



150 m³/h

TECHNICAL SPECIFICATIONS

Capacity	150 m ³ /h
Aggregate Storage Bins Capacity	4 x 30 m ³
Aggregate Weighing Capacity	2 x 4400 kg / 8800 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	6000 / 4000 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	2200 kg
Water Weighing Capacity	1000 kg
Additive Weighing Capacity	2 x 50 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	323 mm





175_{m³/h}



TECHNICAL SPECIFICATIONS

Capacity	175 m³/h
Aggregate Storage Bins Capacity	4 x 30 m³
Aggregate Weighing Capacity	2 x 4950 kg / 9900 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	6750 / 4500 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	2500 kg
Water Weighing Capacity	1100 kg
Additive Weighing Capacity	2 x 50 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	323 mm



ELKOMIX-200



200 m^3/h

TECHNICAL SPECIFICATIONS

Capacity	195 - 200 m^3/h
Aggregate Storage Bins Capacity	4 x 30 m^3
Aggregate Weighing Capacity	2 x 5500 kg / 11000 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	7500 / 5000 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	2750 kg
Water Weighing Capacity	1200 kg
Additive Weighing Capacity	2 x 50 l
Control System	SIEMENS or ABB
Cement Screw Diameter (\varnothing)	323 mm

ELKOMIX-240



240_{m³/h}



TECHNICAL SPECIFICATIONS

Capacity	240 m³/h
Aggregate Storage Bins Capacity	4 x 30 m³
Aggregate Weighing Capacity	2 x 6600 kg / 13200 kg
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	9000 / 6000 l
Mixer Type	Twin Shaft
Cement Weighing Capacity	3200 kg
Water Weighing Capacity	1800 kg
Additive Weighing Capacity	2 x 50 l
Control System	SIEMENS or ABB
Cement Screw Diameter (Ø)	323 mm



ELKOMIX DOUBLE MIXER



UP TO **480** m³/h

- › Equipped with double twinshaft mixer for high production capacity
- › At the same time weighing system allows concrete production from each twin shaft mixer simultaneously
- › 2 different concrete types can be produced at the same time thanks to its 2 separately controlled and conducted weighing and mixing system
- › Possible to use mixer capacities varying between 1500/1000 l. to 9000/6000 l.

OPTIONAL EQUIPMENTS



COVERING OF CONCRETE BATCHING PLANT

Optional trapeze sheet covering minimize environmental effects of concrete production. Additional to environmental protection, it also protects batching plant from external effects (rain, dust, etc.). Trapeze sheet coverings and its structure are prepared as modular in ELKON factories to be easily assembled on customer jobsite. According to customer request, it is also possible to cover aggregate storage bins, mixer block, transfer conveyor and aggregate automated feeding system (if any) separately/together.



OPTIONAL UNITS FOR ALL SEASON OPERATION (HEATING SYSTEM AND ISOLATION)

All season operation equipments such as isolated covering, aggregate heating pipes, heaters and steam generator, makes it possible to produce concrete even in hard winter conditions. It is possible to produce concrete even in -40°C.



AGGREGATE STORAGE BINS LEVEL MONITORING SYSTEM

By means of the mounted camera on aggregate storage bins and the monitor in the operator's cabin, the concrete batching plant operator can

observe the aggregate level continuously and inform the loader operator about which material type should be loaded into which aggregate storage bins compartment.



MOISTURE MEASURING SYSTEM

The amount of water that will be given into the mixer can be automatically adjusted by Moisture Measuring System which includes optional

"Microwave Type Moisture Measuring Probe" placed in the sand compartment of the aggregate storage bins. Measuring moisture content inside mixer is also possible with optional "Microwave Type Moisture Measuring Probe Inside Mixer".



AUTOMATIC WASHING SYSTEM FOR MIXER

Concrete mixer can be easily and quickly washed and cleaned when concrete production stops or after the concrete production completed

at the end of the day by means of "Automatic Washing System for Mixer". To use automatic washing system extends the mixer life and provides significant savings in maintenance cost.



GRID OVER AGGREGATE STORAGE BINS

Grid can be put over aggregate compartments to prevent the system against oversized stones inside the aggregate. It protects complete system from oversized

stones and other unwanted big materials.

** Please kindly contact with us for other optional equipments.*

OTHER PRODUCTS

Stabilization Plants - Concrete Recycling Plant - Trailer Type Concrete Pumps



MODELS

Stationary Stabilization Plant

Mobile Stabilization Plant

Concrete Recycling Plant

Trailer Type Concrete Pumps

STATIONARY STABILIZATION PLANT



300 tons/h

TECHNICAL SPECIFICATIONS

Capacity	300 tons/h
Aggregate Storage Bins Capacity	4 x 20 m ³
Aggregate Belt Feeders	with frequency inverter
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	5000/ 2500 l
Mixer Type	Continuous
Cement Feeding Bin & Screw	with frequency inverter
Water Feeding System	with rational valve
Material Holding Hopper	30 m ³
Control System	SIEMENS PLC
Cement Screw Diameter (Ø)	220 mm



MOBILE STABILIZATION PLANT



300 tons/h

TECHNICAL SPECIFICATIONS	
Capacity	300 tons/h
Aggregate Storage Bins Capacity	4 x 20 m ³
Aggregate Belt Feeders	with frequency inverter
Agregate Loading Type Into Mixer	Transfer Conveyor
Mixer Capacity	5000/ 2500 l
Mixer Type	Continuous
Cement Feeding Bin & Screw	with frequency inverter
Water Feeding System	with rational valve
Control System	SIEMENS PLC
Cement Screw Diameter (Ø)	220 mm



CONCRETE RECYCLING PLANTS



10 m³/h

TECHNICAL SPECIFICATIONS

Capacity	10 m ³ /h
Maximum Aggregate Size	50 mm
Total Motor Power	20 kW
Control Voltage	24 V
Mobile Concrete Pump Washing Station	Optional
On Ground Water Tank	20 m ³ (Optional)

- ELKON Concrete Recycling Plants provide a cost saving advantage to the users in addition to protecting the environment.
- By locating the Concrete Recycling Plant next to the concrete batching plant, the expenses of transferring the waste concrete to another place is eliminated.
- The recycled aggregate generated from washing and decomposing of the concrete at the washing tank can be used again in concrete production with a certain percentage.
- Recycled water-cement mixture can be re-used for concrete production without letting the cement precipitation by means of an agitator. This provides a significant water saving during concrete production.



TRAILER TYPE CONCRETE PUMPS



45-60 m³/h

TECHNICAL SPECIFICATIONS	
Capacity	45 m ³ /h or 60 m ³ /h
Maximum Delivery Distance	100 m (vertical) 300 m (horizontal)
Diameter of Delivery Piston	180 mm
Stroke of Delivery Piston	1000 mm or 1400 mm
Diesel Engine Power	85 kW
Concrete Delivery Pressure	75 bar
Maximum Hydraulic Pressure	320 bar
Concrete Valve System	S valf
Oil Tank	240 l or 300 l
Fuel Tank	65 l or 80 l
Diameter of Concrete Delivery Pipe	5.5" (125 mm)
Dimensions	5000 x 1800 x 2200 mm

AUTOMATED AGGREGATE FEEDING SYSTEM (OPTIONAL)

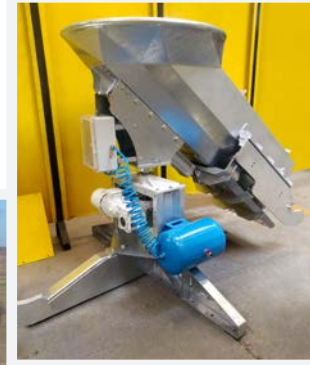
For Square Type Aggregate Bins

Because of having square type aggregate storage bins (2 x 2) in mobile concrete batching plants and in some of compact concrete batching plants, 2-side concrete loading ramp should be built in order to load aggregate into aggregate storage bins.

As it is known, when it is compared to conventional concrete batching plants, mobile and compact type concrete batching plants can be easily moved to different jobsites. In contrast, it is not possible to move concrete loading ramps with the concrete batching plants. Thus, it is needed to make new concrete ramps in every new job-site. And this means extra cost for concrete producers. ELKON offers a perfect solution for this problem: "Automated Aggregate Feeding System".

This system can be added to mobile or compact concrete batching plants having square type aggregate bins according to customer request optionally.

As seen from the picture above; Automated Aggregate Feeding System consists of loading bunker (See Image-1), transfer conveyor (See Image-2), rotating chute (See Image-3) and a control board. The aggregate which is loaded from zero ground can be easily transferred to selected aggregate compartment thanks to the transfer conveyor and rotating chute which is



Bottom drive new distribution system with pneumatically activated flap



stopped in required positions by means of position switches. With Automated Aggregate Feeding System, it is possible to avoid from concrete ramp cost and to achieve more effective and easier aggregate loading.



IMAGE 1



IMAGE 2



IMAGE 3

For Linear Type Aggregate Bins (Shuttle Type)



Shuttle Type Automated Aggregate Feeding System is used for stationary concrete batching plants, some compact and mobile concrete batching plants which are having linear type aggregate storage bins.

In Shuttle Type Automated Aggregate Feeding System, aggregate is firstly loaded to the aggregate loading bunker then transferred by transfer conveyor to the shuttle type distributor conveyor which is located over linear type aggregate storage bins. Shuttle type conveyor fills aggregate into required aggregate compartment by stopping in required position by means of position switches.

AUTOMATED AGGREGATE FEEDING SYSTEM (OPTIONAL)

For Linear Type Aggregate Bins (Radial Type)



Radial Type Automated Aggregate Feeding System



Shuttle Type Automated Aggregate Feeding System

ELKON Stationary Type Concrete Batching Plants and some of Compact Concrete Batching Plants are equipped with linear type aggregate bins. So concrete ramp behind aggregate bins should be built to be able to load aggregate into aggregate storage bins.

Especially in high capacity stationary type concrete batching plants, it is difficult and costly to catch the speed of concrete production by using aggregate loader which climbs over concrete ramp in every loading. In this situation Automated

Aggregate Feeding System is the best solution for effective aggregate loading. Besides, production area can be used more efficiently without making concrete ramp.

In Radial Type Aggregate Feeding System, aggregate is firstly loaded into aggregate loading bunker then transferred to required aggregate compartment by transfer conveyor which can move on a radial line on the ground to be able to fill the selected aggregate compartment.

COMPONENTS

ELKON goes on its technological, quality and reliable concrete batching plant manufacturing principle by using 2 parallel ways:

- High manufacturing culture
- Choosing reliable, heavy duty, long lasting and proper components

Selection of high quality components guarantees the reliability of the equipments and ensures the maintenance of the fundamental features of the material. ELKON prefers efficient, durable and having wide service network components in its concrete batching plants. Also, reliability of these components has been tested by ELKON since 1975.

Component selection requires high experience and knowledge.

Some of the brands of components are given below which are being used in ELKON equipments;

SIEMENS

WAMGROUP

brevini
riduttori

BONFIGLIOLI
Power & Control Solutions

LINCOLN
INDUSTRIAL

HARDOX®

JOTUN

ABB

Telemecanique
GROUPE SCHNEIDER

Atlas Copco

PIRELLI

LAUMAS®
ELETTRONICA

FESTO

SEW
EURODRIVE

ELKON AUTOMATION SYSTEM



The automation of ELKON Concrete Batching Plants is provided by control panel located in the operator cabinet which has a wide visual angle and is isolated for various climate conditions. Automatic or manual concrete production can be made by control board which is equipped with SIEMENS PLC and SIEMENS TOUCH PANEL. While the whole concrete production process can be followed easily thanks to the synoptic diagram on the control panel, weighing of aggregate, water, cement and additive can be followed by the indicators on control panel.

In ELKON Concrete Batching Plant Automation System, computer system is given as standard and it consists of PC, printer, UPS and ELKON Concrete Production Software.

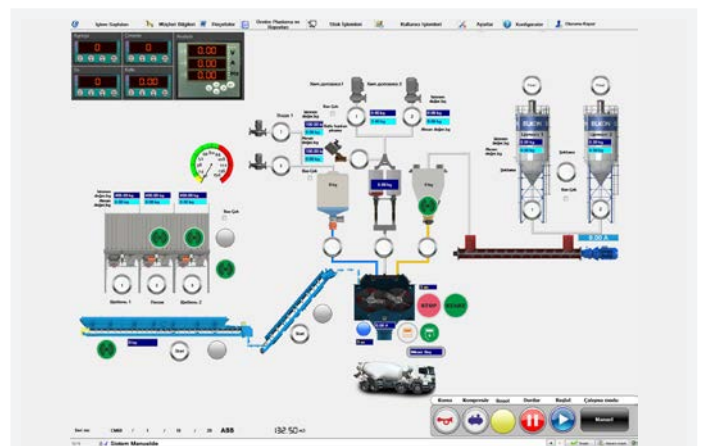
Some specifications of ELKON Concrete Production Software are;

- Recording unlimited number of receipts and use them in fully automatic concrete production.
- Provides flexible concrete production by offering changing ability of many parameters for different requirements.
- The informations which belong to customer, truckmixer, driver, operator, job-site etc. can be recorded as per delivered concrete.
- Possibility to get daily, weekly, monthly or any desired intervals of concrete production report. Raw material input and consumed amount can be reported.

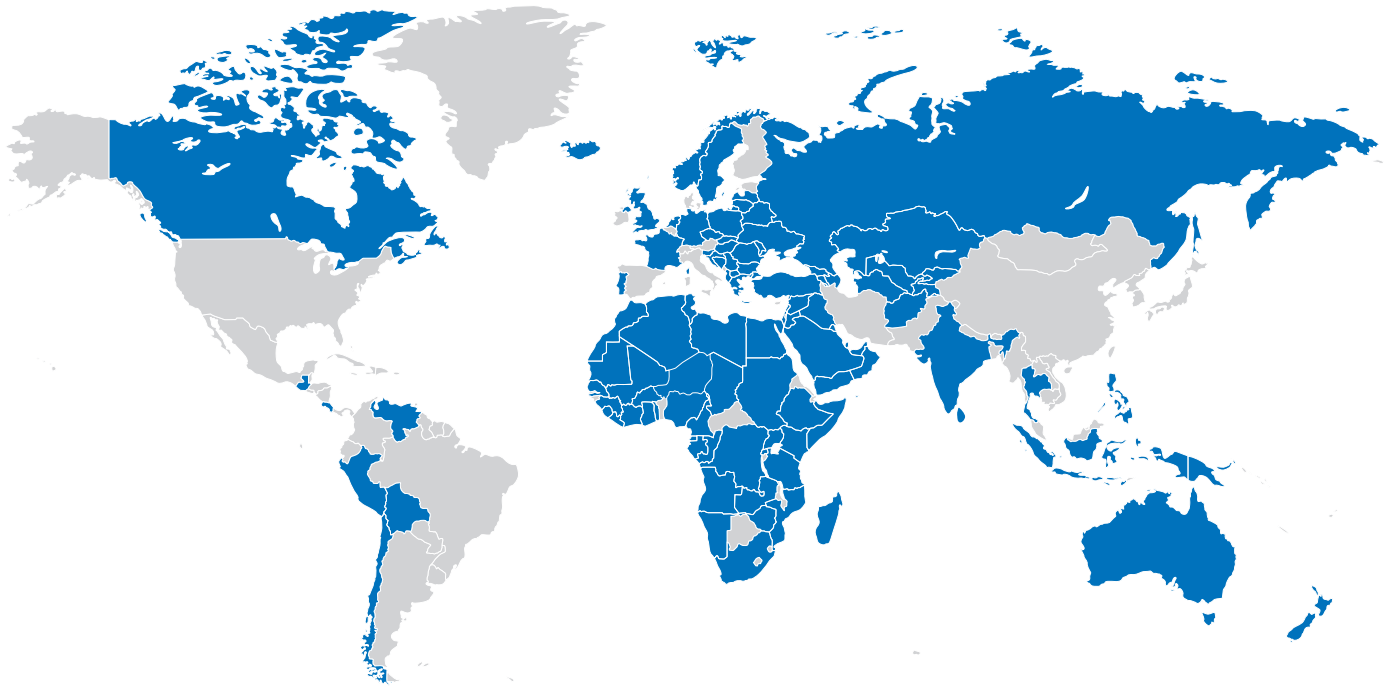
- Concrete slump values can be monitored as digital and as analog.
- Required quantities written in the receipt and the actual production can be monitored.
- All concrete production including manual concrete productions can be recorded.
- All of the errors which may occur during production are displayed to the operator as a warning message and recorded in system history.
- Required interfere to the automation system of concrete batching plant can be done by remote connection via Internet.
- "Custom design delivery note" can be designed according to customer request and printed.

There are contactors, switches, TMS, fuses and phase protection relays inside the power board which is a part of the automation system. The brand of all these components is SIEMENS and they provide reliable operation of the equipment. The properties of power board and protection elements are completely comply with EU standards.

All required technical documentations (operating manual, electrical projects etc.) are given together with Automation System of ELKON Concrete Batching Plants as standard.



TOP REFERENCES



3500 CONCRETE BATCHING PLANTS OVER **120** COUNTRIES IN **6** CONTINENTS

STRABAG

VINCI
CONSTRUCTION

LafargeHolcim

AG ANDRADE
GUTIERREZ

melón

Balfour Beatty

Italcementi
HEIDELBERG CEMENT GROUP

Van Oord
Marine ingenuity

bam

EIFFAGE
CONSTRUCTION

CRH

Morrison
Construction

BL HARBERT
INTERNATIONAL

KBR

SAUDI OGER LTD.

SAUDI OGER LTD.

RENAISSANCE
CONSTRUCTION

HYUNDAI
ENGINEERING & CONSTRUCTION

DAEWOO E&C

Hanwha

SSANGYONG

Chevron

NEWCREST
MINING LIMITED

DANGOTE

COSTAIN

oas

MHC
SOLIMAN BIN SALEH ALMOHILEB
& HIS SONS HOLDING COMPANY

GAZPROM

Since 1975

elkon



Address: Esentepe Mahallesi Gazeteciler Sitesi Dergiler
Sokak No : 13 P.C : 34394 Sisli - Istanbul / TURKEY



Phone : +90 212 288 96 33
Fax : +90 212 274 63 10



Web : www.elkomix.com
E-mail : info@elkomix.com



Address: Walter-Frese-Str.21 42799
Leichlingen / GERMANY



Phone : +49 2175 1802 711
Fax : +49 2175 1801 888



Web : www.elkon.de
E-mail : info@elkon.de