Owing to the manufacturing quality, superior features of the concrete batching plants and with the production and sales numbers, ELKON, which is the largest manufacturer of concrete batching plants not only in Turkey but also in Europe, continues to include leading companies of the world in its references.

Having more than 150 concrete batching plants in UK and performing 2 million cubic meters of concrete production per year, Hope Construction Materials is the largest concrete manufacturer in United Kingdom. At the same time, Hope Company, which has the biggest cement factory located in Hope, Derbyshire in England, is carrying out the production of 1.5 million tons of cement per year.

In the middle of 2014, when Hope Construction Materials decided to renew their concrete batching plant in Thornton – Blackpool, several interviews were conducted with the manufacturers from UK and Europe.

This installation should have been settled in a very narrow site and the installation site was very close to the residential areas. Furthermore, Hope demanded a concrete batching plant with 55 m³/hour production capacity and to minimize the environmental impact.

As a result of the conducted negotiations, ELKOMIX-60 Quick Master Compact Concrete Batching Plant which truly met the expectations regarding the quality and safety standards was chosen.

The concrete batching plant, which can produce 55 m³/h vibrated concrete with the 1500/1000 l. ELKON Twinshaft Mixer, has 4x15 m³ square type aggregate storage bin and equipped with Automated Aggregate Feeding System for the aggregate loading.

Thanks to the optionally available high pressure automatic cleaning system for the mixer, mixer can be easily cleaned at the end of the production and it will extend lifetime of wearing parts.

The water used for washing the mixer can be stored in the recycling pools through the special drainage system and can be reutilized in the concrete production.

To minimize the impact on the environment, the concrete batching plant was covered with trapeze sheets. As the trapeze sheet enclosures are designed as modular, the installation can be carried out in a very short time.

ELKON, through the innovation on design and production of the concrete batching plants which has high quality standards, was preferred by Hope Construction Materials which is the biggest ready mix company in UK.
ELKON: THE SECRET OF WORLDWIDE REPUTATION

Today ELKON combines 4 huge factories with a total area of 65,000 m² equipped with modern equipment.

The company has one of the most technologically advanced production facilities in Europe with a large volume of manufacturing capacity.
- Large-scale and high-tech production facilities in Europe.
- Production and sales capacity - 450 units of concrete batching plants per year.
- Wide geographical presence (100 countries).

The absolute advantage of ELKON comparing to the other Turkish and European manufacturers is the integrated production facilities: all the components of concrete batching plants, like roller conveyors, aggregate weighing hoppers, aggregate storage silos, all the mixers, cement screws, etc. are being manufactured and assembled in the factories of the company.
- Integrity of the work-flow with quality control process at all levels of production.
- Independence from subcontractors, production flexibility.
- Ability to quick service and supply of spare parts.

COLLABORATION WITH CONSTRUCTION GIANTS

ELKON makes a significant contribution to the global construction industry, implementing various international projects. ELKON was even trusted by the companies from the world’s farthest countries such as Sri Lanka, Netherlands Antilles, Costa Rica, Australia, etc.

Due to the worldwide recognition and participation in global projects in cooperation with international construction giants, ELKON managed to be the first choice of the sector leaders all over the world.
**HIGH QUALITY COMPONENTS**

To ensure high quality in operation, ELKON uses better quality parts only from proven brands with a broad distribution network. ELKON has extensive storage capacity of the spare parts to provide better and quicker after sales service.

- Superior product quality, convenience and reliability in operation.
- Maximum reliability and high durability components.
- Wide distribution network.

**AUTOMATED PRODUCTION**

ELKON, using the most advanced technology possible in the production of concrete batching plants, 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, 10 different production stations with automatic welding robots were installed in addition to the CNC machines, laser cutting machines, special manufacturing molds etc.

In this robotic production stations, in addition to the welding processes of the cement screws, bolted type cement silos, aggregate storage bins 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 realized.

With the welding robots we can reach to the highest quality, more accurate and faster production, with the modular production we can reach to the flexibility and sustainable high quality.
ELKON was ranked as 437th in Turkey’s First 1000 Export Company List in 2014 which was announced by Turkey Exporters Assembly (TIM). With this result ELKON managed to be 8th largest exporter in Machinery and Machinery Accessories Sector. We are proud to be within the First 500 Export Company for many years.

ELKON, with the export-oriented strategy and succeeds, situated within 25 Turkish SME which takes place in the world summit in the list which is prepared as a result of the statistical study conducted by Turkish Time Magazine which is the economy and business culture magazine published monthly.

Furthermore ELKON is the unique Concrete Batching Plant Manufacturer which takes place in this list.

Innovations in the concrete batching plant industry has been given in the article called “Cutting Edge Concrete Solutions” which takes place in Aggregate Business Magazine January- February 2015 edition. In this article ELKON’s name has been mentioned as “investing heavily in cutting-edge technology” in the following text.

“Elkon is among the leading global concrete production equipment manufacturers with big plans for 2015. As part of the Turkish company’s continuous investment in its manufacturing facilities in order to improve product quality and production speed, the firm recently increased its number of welding robots to eight.

The multimillion Euro welding robot investments will make for more efficient and flexible annual production of cement screws, twinshaft mixers, cement silos and aggregate silos.

A company spokesperson said: “We are able to access better-quality, more accurate and faster production with our welding robots, which also give us flexibility with modular production and high-quality with mass production. These modern technologies guarantee precision in production, ensure the reliability of the equipment and improve productivity and reduce production errors.”

The Elkon spokesman said that guests who had visited the company concluded that Elkon production facilities (65,000 m² production area across four factories) are not only the biggest and most modern concrete batching plant manufacturing facilities in Turkey, but also Europe’s biggest and most modern concrete batching plant manufacturing facilities.”
IN RUSSIA, “CONCRETE IS OUR BUSINESS”

ELKON’s participation to 16th International Show of Construction Equipment and Technologies (CTT-2015) Exhibition in Moscow was taken place in Hurriyet Newspaper which is ELKON consolidated its power attending.

ELKON has exported over 900 concrete batching plants to Russian market since 2003. With this sales number ELKON managed to be leader in Russia having % 30 of the market share.

ELKON is providing services to the Russian market with 6 sales offices and 4 spare part warehouses located in different cities of Russia.

ELKON participated in CTT-2015 Exhibition with two different concrete batching plant models which are “ELKOMIX-60 Quick Master Compact Concrete Batching Plant with Aggregate Bucket” and “ELKOMIX-60 Compact Concrete Batching Plant with Transfer Conveyor”.

The plants were equipped with 1500/1000 l. Twinshaft mixer to provide all required type of concrete. The concrete production capacities of the plant are 55 m³/hour and have 1 unit of 75 tons bolted type cement silos.

ELKON made a significant contribution to the industry at the fair and exhibited two concrete batching plants in 500 square meters booth area.

As a result of the high quality and efficiency of the exhibited models, both of them were bought by Russian clients.

ELKON CONCRETE BATCHING PLANT WAS SUPPLIED ALONG WITH STABILIZATION PLANT

One of the oldest Jordanian contracting company, having more than fifty year experience, is continuing its improvements in the construction sector both in Jordan and Saudi Arabia.

Company has been realizing several dam, road and mining projects, has met the concrete requirement in its project with ELKOMIX-120 Stationary Concrete Batching Plant. The company is currently carrying out numerous on-going projects all around the country.

The concrete plant was equipped with 3000/2000 l. ELKON Twinshaft Mixer to provide different kinds of concrete.

The concrete production capacity of the plant is 105 m³/hour and has 2 units of 100 tons bolted type cement silos.

In consequence of the satisfaction obtained by the first plant, the company also ordered a ELKON Stationary Stabilization Plant to be used in road projects. ELKON Stationary Type Stabilization is used for mixing subbase material of roads with ELKON C200 Continuous Mixer. Aggregate content in mix design is adjusted by speed controlled belt feeders located under aggregate storage bins. Total production capacity of stabilization plant is 300 tons/hour.
AN ENORMOUS PROJECT FOR "GAZPROM"

ELKON has extensive experience and vast technological capability which allow to take on the most ambitious goals and to implement them successfully according to its clients’ very different and special requirements. ELKON has delivered special concrete mixing plant for the pipe coating factory of one of the largest energy companies in the world, the Russian oil and gas giant “Gazprom”.

ELKON designed and manufactured a special Stationary Concrete Batching Plant, ELKOMIX-135, which completely meets all the requirements of the project, which is specific process for coating pipes with concrete. The development of such projects requires an enormous technical and intellectual resource from the manufacturer, which ELKON has all of these capabilities.

ELKOMIX-135 Stationary Concrete Plant which has 4500/3000 l. ELKON Twinshaft Mixer, patented precise dosing systems, special automation system etc is responsible for the production of concrete for using in pipe coating machine. Because of the continuous concrete requirement of the pipe coating machine, there is a holding hopper located under the twinshaft mixer discharge point. There are special conveyor systems for the delivery of concrete from the batching plant to the pipe coating machine. If the concrete hold more than determined time period, this concrete will leave as wasted concrete and transferred to another storage area in order to be used in next concrete productions. To add wasted concrete on next productions in certain amount, special weighing and feeding system were developed.

The twinshaft mixer is equipped with a camera system to track the mixing process and a high pressure mixer washout system, which can clean the mixer quickly and efficiently under the high pressure. Aggregate bins are also equipped with surveillance cameras. Special automation system allows full control of the production in automated mode. Frequency converters for speed control mechanisms has been installed on cement screws, as well as many other additional components to ensure efficient operation of the equipment according to the technological production.

The plant was successfully commissioned with the examination of technical specifications for the pipe and in the presence of senior management of the client company. ELKON, together with the Dutch Pipe Coating Plant manufacturer company, completed a great job on starting up such a complex concrete batching plant in a very short time.
The production and supply of ready-mix concrete for infrastructure and construction projects has been a core business of United Ready-Mix Company. With a leading presence in Sharjah, The United Ready Mix Company is one the biggest supplier of high quality ready mix concrete having already supplied more than millions of cubic meter of concrete across the United Arab Emirates.

The United Ready Mix Company has chosen ELKOMIX-135 Stationary Concrete Batching Plant integrated with Elkon ERCYL-10 Concrete Recycling Plant. The wasted concrete will be divided as aggregates and recycled water by recycling plant. And all recycled materials can be used in production of concrete.

Concrete Plants with the 105 m³/hour production capacity were supplied to the customer. Both plants are equipped with heating pipes, steam generator and both plants are completely isolated with sandwich panels to be able to get high quality concrete production even in the hard winter conditions of Kazakhstan.

ELKOMIX-135 STARTED UP IN SHARJAH

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Great Award for Elephant Model in Poland

Budpol Company, which provides RCC (Roller Compacted Concrete) to the companies like Strabag, Budimex, Skanska which perform concrete road construction and also performs concrete road construction by itself, has chosen MOBILE MASTER-150 Elephant Mobile Concrete Batching Plant which is the biggest mobile concrete batching plant in the world.

According to the new regulations in Poland, all the materials in the production of RCC needed to be mixed 90 seconds after all materials get into the mixer.

ELKON MOBILE MASTER-150 Elephant Mobile Concrete Batching Plant is equipped with specially designed 6750/4500 l ELKON Twinshaft Mixer for RCC production and on which has been done several modifications demanded by Budpol Company for the precise weighing.

Each aggregate bin is equipped with 2 gates which can be operated separately and due to this high weighing precision can be achieved.

Additive weighing system with special sliding mechanism, which was developed with the support of “The Scientific and Technological Research Council of Turkey”, was used for the chemical additives dosing. Also maximum weighing accuracy of cement and water has been obtained with inverters equipped on the water pump and cement screws.

In addition to this, thanks to the special applications performed in software and automation systems, concrete batching plant production capacity has been increased to the highest level and maximum weighing sensitivity has been obtained.

Our client also has ordered optional high-pressure washing system for mixer. By means of this system mixer can be cleaned in the most effective manner and wearing parts life can be extended.

ELKON MOBILE MASTER-150 Elephant Concrete Batching Plant with 90 seconds mixing time and 100 m³/h RCC concrete production capacity has met all the demands of the Budpol Company and has been commissioned successfully in May.

Elephant model which is granted “Good Design Award” at Design Turkey 2012 contest, managed to get “Gold Medal” from Autostrada Exhibition jury in Poland.

Elephant mobile concrete plant which is continuing its concrete production successfully in UK, Sweden, Russia, Oman, Poland etc.
HIGH-SPEED CONCRETE TRAVELLING BUCKET

While the speed of available concrete travelling buckets is 0.5 m/s, the speed of high-speed concrete travelling bucket is 2.5 m/s. Production capacity and efficiency of concrete precast applications can be increased by using High-Speed Concrete Travelling Bucket. With its unique design, it is the First and Only product in Turkey and has higher performance comparing to its equivalents in the world.

Newly designed ELKON High Speed Concrete Travelling Bucket and rails will design along with tailor made concrete batching plant to comply with requirements and area of clients.

It is possible to make many alternative solutions because High Speed Concrete Travelling Bucket can climb to the lines having 18° slope and can easily curve the lines with a radius of 5 meters.

Automation system supplied with this concrete travelling bucket will allow its users to demand concrete from precast machines as well as travelling bucket movements can be controlled (it can be a remote controller optionally).

NEW DESIGNED TWINSHAFT MIXER FOR RCC PRODUCTION

Roller-Compacted Concrete (RCC) or Rolled Concrete is a special blend of concrete that has essentially the same ingredients as conventional concrete but in different ratios, and increasingly with partial substitution of fly ash for Portland cement. RCC is a mix of cement/fly ash, water, sand, aggregate and common additives, but contains much less water. The produced mix is drier and essentially has no slump. RCC is placed in a manner similar to paving; the material is delivered by dump trucks or conveyors, spread by small bulldozers or specially modified asphalt pavers, and then compacted by vibratory rollers.

RCC (Roller Compacted Concrete) is mainly used in construction of concrete roads and dams. New Designed Twinshaft Mixer with the capacities from 1500/1000 l. to 6750/4500 l. in which is equipped with special designed mixing paddles for the RCC production, also have some special modifications to achieve the maximum production performance.
NORWEGIAN GROUP COMPANY CHOSE ELKON FOR THEIR NEW INVESTMENT IN WEST AFRICA

JARLSØ GROUP is a Norwegian Company which has many power plant projects all around Africa, like in Togo, Ghana, Uganda, Sierra Leona, Mozambique etc.

While they were conducting their power plant projects in Ghana and Togo, they realized the growing construction market there. Therefore, they decided to invest in ready mix sector to supply high-quality concrete to meet the rising demand. For this purpose, they established their branches in Ghana and Togo for ready mix operations.

As the ready mix sector is new to them, choosing the right concrete batching plant supplier was very important. They searched top quality concrete batching plant and also well-experienced company which can lead them during the sales stage and provide effective after sale support. Therefore, the manufacturer was supposed to be reliable partner on this new business.

Due to this, the company had made a detailed search to find the best concrete batching plant manufacturer in Europe. They visited many concrete batching plant manufacturers’ factories and had met their representatives during the decision stage. The company representatives had also visited ELKON’s 4 factories and really satisfied with the manufacturing quality. As a result of the detailed analysis conducted by Norwegian Company, Jelcem chose ELKON, which has highest quality and has great popularity all over the world, as their partner for this business.

After long meetings, ELKON offers the best solution that satisfied the customer, which is ELKOMIX-135 Stationary Concrete Batching Plant with 4500/3000 L. Twin shaft mixer and having actual capacity of 120 m³/h. Two sets of ELKOMIX-135 with 2 units 100 tons cement silo were exported to Ghana; another plant was installed in Togo. All three plants have already been started up and successfully operated.

JARLSØ GROUP remained completely satisfied with the quality of equipment and services provided by ELKON, a recognized professional in the production of concrete plants.

SUCCESSFUL COOPERATION OF ELKON AND KOREAN GIANT SSANGYONG E&C

The long-term client of ELKON and one of the leading construction companies, Korean SsangYong Engineering & Construction, which has taken place in ENR Top 250 International Contractors List, performs large-scale and unusual projects all over the world.

Based on own successful experience of operating ELKON’s equipment, SsangYong E&C has once again chosen ELKON by placing an order for construction of large airport in Equatorial Guinea. Stationary Concrete Batching Plant, ELKOMIX-120 with the 105 m³/hour production capacity has been chosen for this project. To supply concrete to other job sites, Mobile concrete batching plant MOBILE MASTER-30 Eagle has been supplied to the customer. In addition, each plant is equipped with the big-bag cement feeding system which makes it possible to feed big bag cement to cement silos. Project’s requirement is an uninterrupted supply of
high-quality concrete in greater volume for construction of a
terminal, seven-storied administration block and other objects.

By now, SsangYong E&C has had already 4 ELKON concrete batching plants in operation. The first delivery
of Stationary concrete batching plant ELKOMIX-60 took place in 2011 for the construction of big residential homes
in Equatorial Guinea. For another Project in Iraq, Stationary concrete batching plant ELKOMIX-120 with two units of 300
tons cement silos was supplied in 2013.

ELKON, which is used to serve to the world’s many leading
construction & contractor companies, is the most preferable
supplier of Ssangyong E&C since 2011 and it seems that this
collaboration will maintain for many years more as ELKON satisfied the company with its advance product and service
quality.

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DANGOTE GROUP TRUSTED
ELKON FOR THEIR FIRST
CONSTRUCTION PROJECT

The Dangote Group is the largest industrial
conglomerate in West Africa and one of the largest in
Africa which is owned by the wealthiest man in Africa.
The group companies work in various areas like cement,
sugar, salt, pasta supplier and real estate.

Dangote Group is one the biggest cement supplier in
Africa which has operations in Nigeria and 14 other African
countries. The company decided to expand its business
range by starting a road construction project. Therefore, it
made a joint-venture with ANDRADE GUTIERREZ (AG)
from Brazil, one of the biggest contractor companies in the
ENR Top 250 International Contractors List to conduct this
road Project in Lagos.

As ELKON have a very good reputation in Nigerian
market with its existing satisfied customers there, Dangote
contacted with ELKON to negotiate about the required
cement batching plant for their project. This project was
Dangote’s first construction project and therefore they really
went over the matter with a fine-toothed comb. As a result
of ELKON’s professional suggestions and assistance during
the negotiations, they decided to place an order for 1 unit
ELKON MOBILE MASTER-135 Jaguar Mobile Concrete
Batching Plant.

We are really proud to be selected as the supplier of
African Biggest Company’s first concrete batching plant
investment.

CONSTRUCTION SECTOR
IS GROWING BY ELKON ’S
SIGNIFICANT CONTRIBUTION
IN THE WEST AFRICA’S
GOLDEN-LAND

One of the first companies in Spain which
is specialized in road conservation and
maintenance of any type of infrastructure, mainly
transport infrastructures, with a focus on road infrastructures
more than 40 years has chosen ELKON.

The Spanish company has been awarded a 1.2 billion Br
contract, its first, to construct an asphalt road in Oromia Regional
State-Ethiopia.

The company will upgrade 63.3km of gravel road, extending
from Ambo to Wolisso, into asphalt concrete.

This road will start 105kms away from Addis Ababa in Ambo
town which is a spa town, located west of the capital.

The project will include three bridges, which will be 10m to 30m
in length; 35 drainage systems and other structural works. It will
link the Addis Ababa-Nekemet road with the Addis Ababa-Jimma
road; it will also connect Ambo, which is well known for agricultural
products, with Wolisso, as well as linking Lake Wonchi, a place
known for eco-tourism, with the main road.

The project is expected to be completed in three years’ time.

Within this scope, the Spanish company conducted several
interviews with the manufacturers from Spain and Europe.

As a result of the conducted negotiations, Elkomix-35 Quick
Master Compact Concrete Batching Plant which totally met
the expectations was chosen by the Spanish company which
considers the importance of technological development,
innovation and high quality.

The concrete batching plant, which can produce 30 m³/h
vibrated concrete with the 750/500 l. ELKON Pan Mixer, has
4x7,5 m² square type aggregate storage bin and equipped with
Bag Cement Feeding System for the cement filling.

ELKON which is committed to advance technological
development and innovation on design, providing high quality
services and with the forty years of experience is being the first
choose of the professionals.
ELKON MOBILE APPLICATION

ELKON Android Application is released as well subsequent to ELKON iOS Application

Make the right choice for your projects through “Product Chooser” section