CONCRETE BATCHING PLANTS & STONE CRUSHERS

Building dreams since 1997

MEGAMAK

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About Megamak

Investments made by MEGAMAK FOREIGN TRADE LIMITED COMPANY without sacrificing quality Thanks to this, it continues on its way by diversifying its production range day by day. MEGAMAK, 1997 IT WAS ESTABLISHED IN YEARS FOR PROJECT AND ENGINEERING PRODUCTION SERVICES SOLUTIONS. OUR COMPANY WITH MORE THAN 20 YEARS OF EXPERIENCE, OUR COMPANY IS VERY INTERESTED IN DOMESTIC AND INTERNATIONAL MARKETS. IT HAS REALIZED A NUMBER OF SUCCESSFUL PROJECTS AND THE LEADING MACHINERY AND HAS BEEN RELIABLE SUPPLIER TO CONSTRUCTION COMPANIES. The company's production program includes stone crushing, screening and washing plants, bulk material handling and stacking plants, screw conveyors, silos, crushers, mobile or fixed concrete batching plants, Bracket and spare parts and equipment, While serving with our experienced staff in export and sales marketing. Our main principle is SERVICE. WORKING WITHOUT COMPROMISE ON OUR QUALITY.

OUR MISSION Our after-sales services and product services to meet customer needs and expectations whenever they want. To provide full-fledged service with our range.

OUR VISION Being able to keep up with the changing structure of the sector and make our name heard in Europe

MEGAMAK

CONCRETE BATCHING PLANTS

MEGAMAK CONCRETE BATCHING PLANTS

Stationary Concrete Batching Plants

- High Efficient And Duplicate Production
- Easy Maintaince
- Suitable To Work Under Hard Conditions
- Transport with only 3 trucks.

MEGAMAK

Stationary Concrete Batching Plants, ready-mixed concrete production and concrete pouring at construction sites are preferred for very long. Capable of producing all kinds of concrete, stable and running smoothly, replacement parts-service trust that the superior quality of the first preference of the professional users. To perform the installation of the power plant land; customer needs, countries are projected based on the nature and conditions of the campus. Megamak Concrete Batching Plants protect the environment, offers the ability to use without harming the environment and the people.

MEGAMIX ST100 TWIN/SNG STATIONARY CONCRETE BATCHING PLANT

The MEGAMIX ST100 TWIN/SNG Stationary Concrete Batching Plant offers exceptional high-efficiency and dual production capacity, making it ideal for large concrete output projects. Built to withstand the toughest working conditions, it ensures reliable performance and durability over extended use. Its design prioritizes ease of maintenance, minimizing downtime and enhancing operational efficiency. The plant is engineered for demanding environments, delivering consistent, high-quality concrete production, making it the perfect choice for projects requiring robust, stationary solutions.

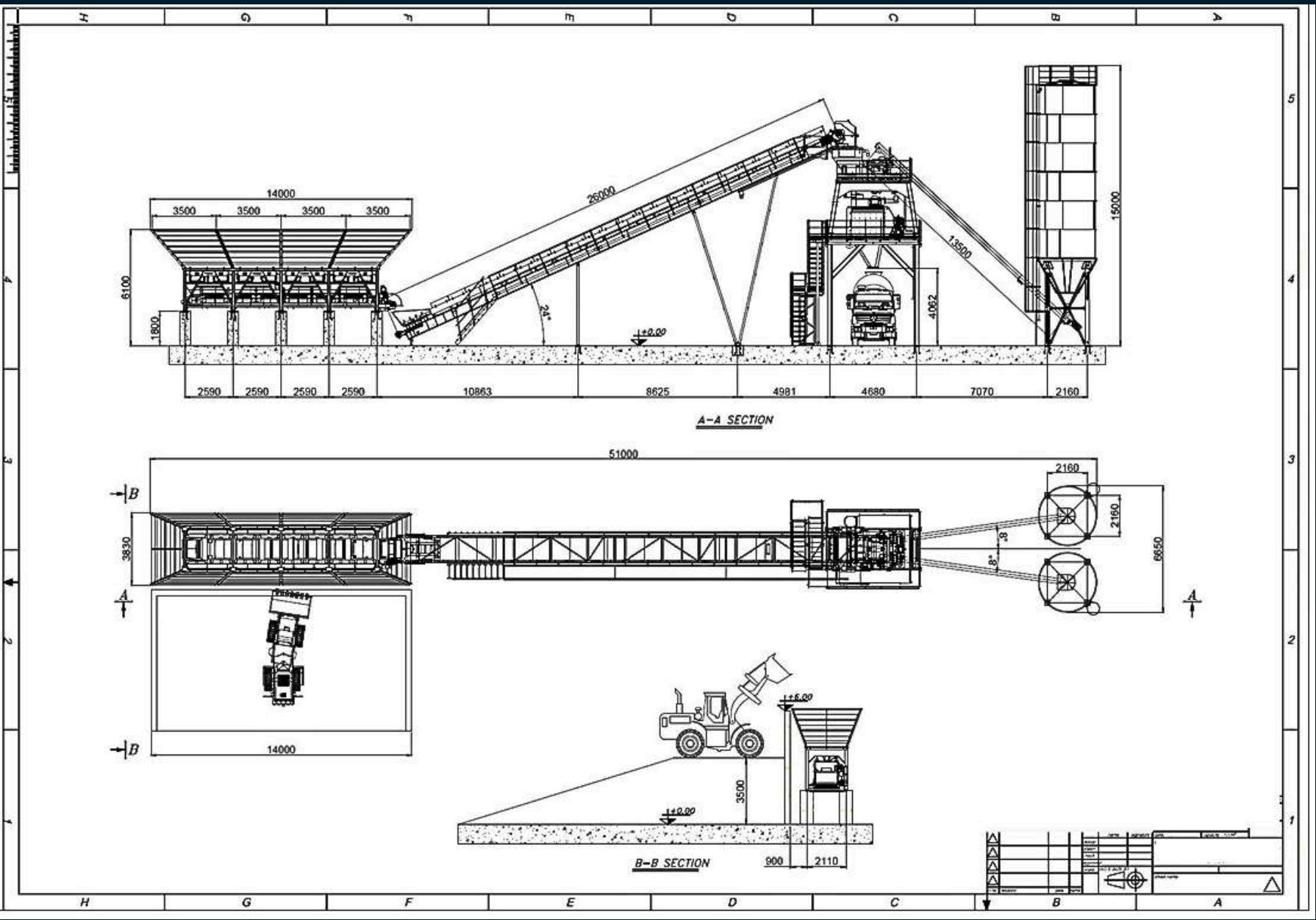
MEGAMAK

- High Efficient and Duplicate Production
- Easy Maintaince
- Suitable to Work Under Hard Conditions
- Transport with Only 3 Trucks

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS	CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 100 m^3/h	Cement, Water, Additive Scales	Aggregate Weighing: 6500 kg
Mixer Specifications	Mixer Type: Twin Shaft		Cement Weighing: 1500 kg
	Dry Capacity: 3000 L		Water Weighing: 900 L
	Mixer Capacity: 2000 L		Additive Weighing: 50 kg
	Motor Power: 2 x 37 kW	Cement Silo	Capacity: 75-100-150-200-500 tons
Aggregate Bin	4 Compartments: 4 x 30 = 120 m^3		Number of Silos: 1, 2, 3, 4 units
	Grating on Bin	Cement Silo Equipment	Screw Diameter: 273 mm
Aggregate Weighing Belt	Width: 1000 mm		Screw Length: 7000 mm
	Length: 12360 mm		Motor Power: 11 kW
	Motor Power: 15 kW		Silotop Filter
	Load Cells: 4 x 5000 kg		Manual Valve
Mixer Conveyor Belt	Width: 1000 mm	Air Compressor	Capacity: 700 L
	Length: 24000 mm		Working Pressure: 7-8 bar
	Motor Power: 30 kW		Motor Power: 7.5 kW

TECHNICAL SKETCH



MEGAMIX ST100 TWIN/SNG STATIONARY CONCRETE BATCHING PLANT

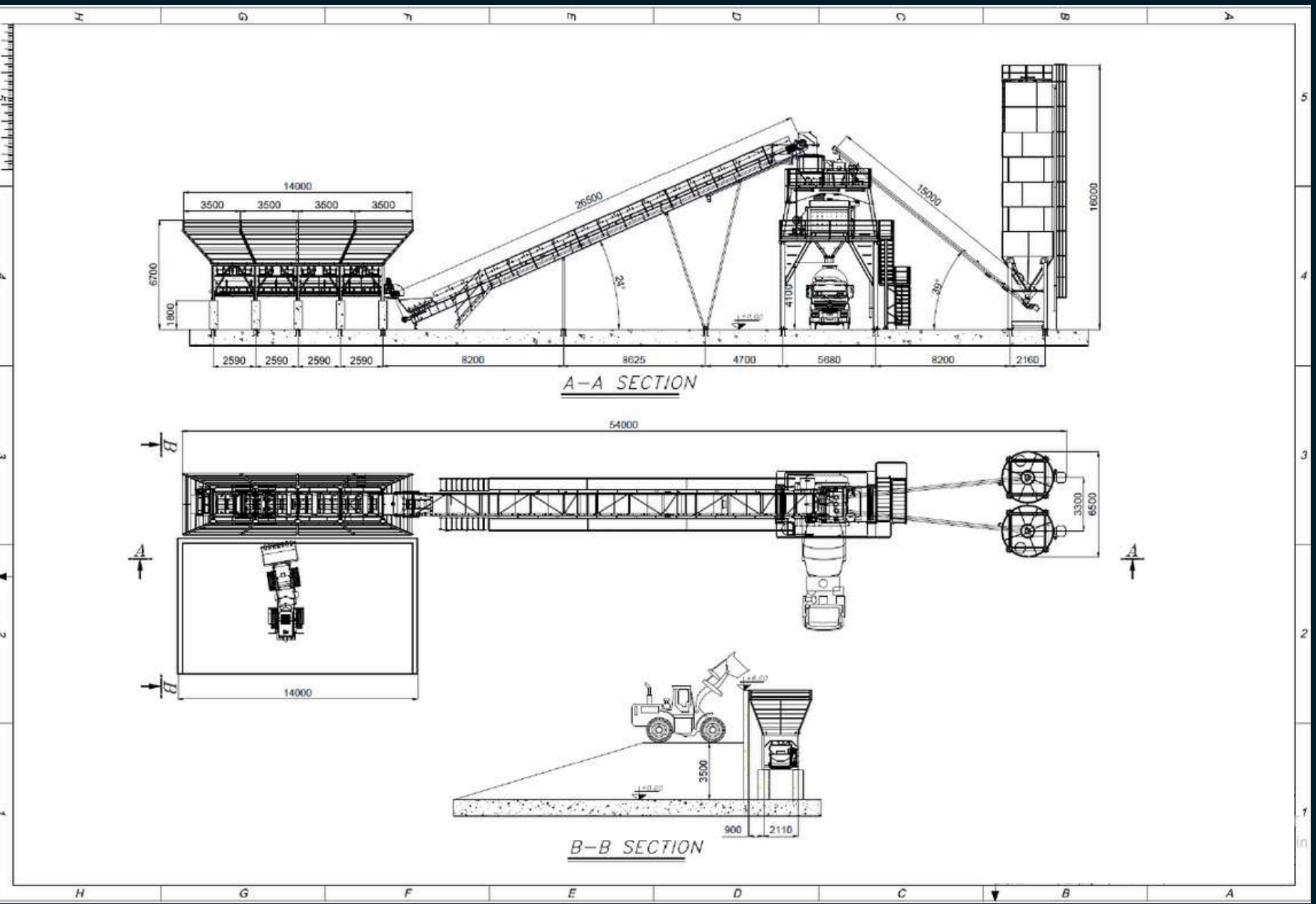
MEGAMIX ST160 TWIN/SNG STATIONARY CONCRETE BATCHING PLANT

The MEGAMIX ST130 TWIN/SNG Stationary Concrete Batching Plant is a powerhouse of concrete production, designed for maximum output and efficiency in large-scale projects. Its robust construction ensures reliable operation even in the most demanding environments. With a focus on durability and ease of maintenance, the ST130 minimizes downtime, ensuring consistent, high-quality concrete production. Built for high-performance under tough conditions, this plant delivers the efficiency and capacity needed for large projects, making it the ultimate stationary solution for concrete production at scale.

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS	CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 130 m^3/h	Cement, Water, Additive Scales	Aggregate Weighing: 6500 kg
Mixer Specifications	Mixer Type: Twin Shaft		Cement Weighing: 2200 kg
	Dry Capacity: 4500 L		Water Weighing: 1300 L
	Mixer Capacity: 3000 L		Additive Weighing: 50 kg
	Motor Power: 2 x 55 kW	Cement Silo	Capacity: 75-100-150-200-500 tons
Aggregate Bin	4 Compartments: 4 x 30 = 120 m^3		Number of Silos: 1, 2, 3, 4 units
	Grating on Bin	Cement Silo Equipment	Screw Diameter: 273 mm
Aggregate Weighing Belt	Width: 1000 mm		Screw Length: 7000 mm
	Length: 12360 mm		Motor Power: 11 kW
	Motor Power: 15 kW		Silotop Filter
	Load Cells: 4 x 5000 kg		Manual Valve
Mixer Conveyor Belt	Width: 1000 mm	Air Compressor	Capacity: 700 L
	Length: 24000 mm		Working Pressure: 7-8 bar
	Motor Power: 30 kW		Motor Power: 7.5 kW

TECHNICAL SKETCH



MEGAMIX ST130 TWIN/SNG STATIONARY CONCRETE BATCHING PLANT

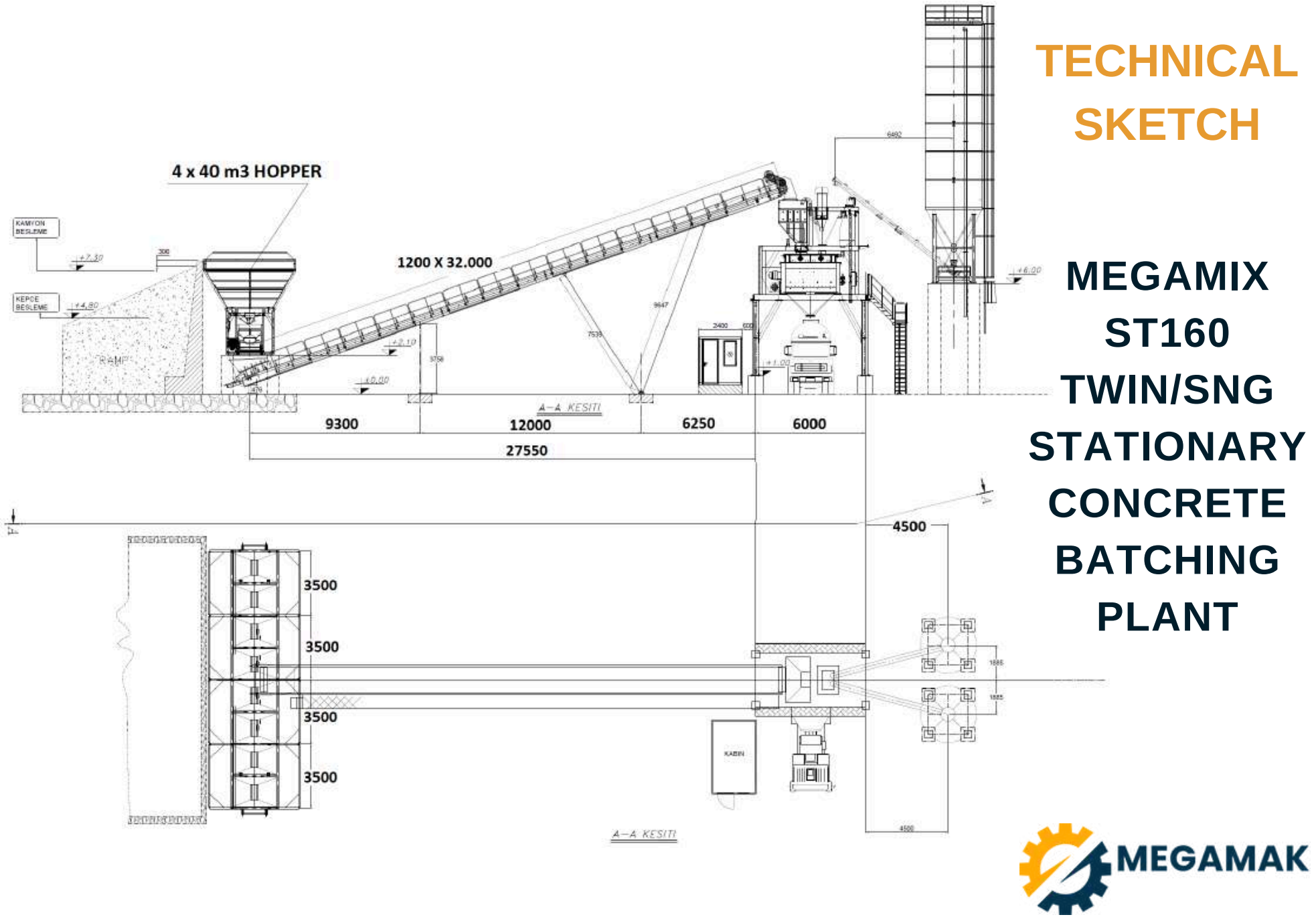
MEGAMIX ST160 TWIN/SNG STATIONARY CONCRETE BATCHING PLANT

The MEGAMIX ST160 TWIN/SNG Stationary Concrete Batching Plant is a powerhouse of concrete production, designed for maximum output and efficiency in large-scale projects. Its robust construction ensures reliable operation even in the most demanding environments. With a focus on durability and ease of maintenance, the ST160 minimizes downtime, ensuring consistent, high-quality concrete production. Built for high-performance under tough conditions, this plant delivers the efficiency and capacity needed for large projects, making it the ultimate stationary solution for concrete production at scale.

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS	CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 160 m^3/h	Cement, Water, Additive Scales	Aggregate Weighing: 8000 kg
Mixer Specifications	Mixer Type: Twin Shaft		Cement Weighing: 3000 kg
	Dry Capacity: 6000 L		Water Weighing: 2500 L
	Mixer Capacity: 4000 L		Additive Weighing: 50 kg
	Motor Power: 2 x 75 kW	Cement Silo	Capacity: 75-100-150-200-500 tons
Aggregate Bin	4 Compartments: 4 x 40 = 160 m^3		Number of Silos: 1, 2, 3, 4 units
	Grating on Bin	Cement Silo Equipment	Screw Diameter: 323 mm
Aggregate Weighing Belt	Width: 1200 mm		Screw Length: 10000 mm
	Length: 13500 mm		Motor Power: 15 kW
	Motor Power: 15 kW		Silotop Filter
	Load Cells: 4 x 5000 kg		Manual Valve
Mixer Conveyor Belt	Width: 1200 mm	Air Compressor	Capacity: 700 L
	Length: 30000 mm		Working Pressure: 7-8 bar
	Motor Power: 45 kW		Motor Power: 7.5 kW

TECHNICAL SKETCH



MEGAMIX ST160 TWIN/SNG STATIONARY CONCRETE BATCHING PLANT

MEGAMAK

- **High Efficient And Duplicate Production**
- **Easy Maintaince**
- **Minimum Investment Field Groundwork**
- **Ouick Installation**

Megamak's Mobile Concrete Batching Plants are designed with all components mounted on the main chassis, making them easily transportable with a single tractor. An optional feedback unit can be included as needed. These plants can be placed in any desired location, adapting to the conditions of construction sites. Megamak meticulously designs the layout of each plant, considering all factors and prioritizing site economy to ensure minimal operating costs.

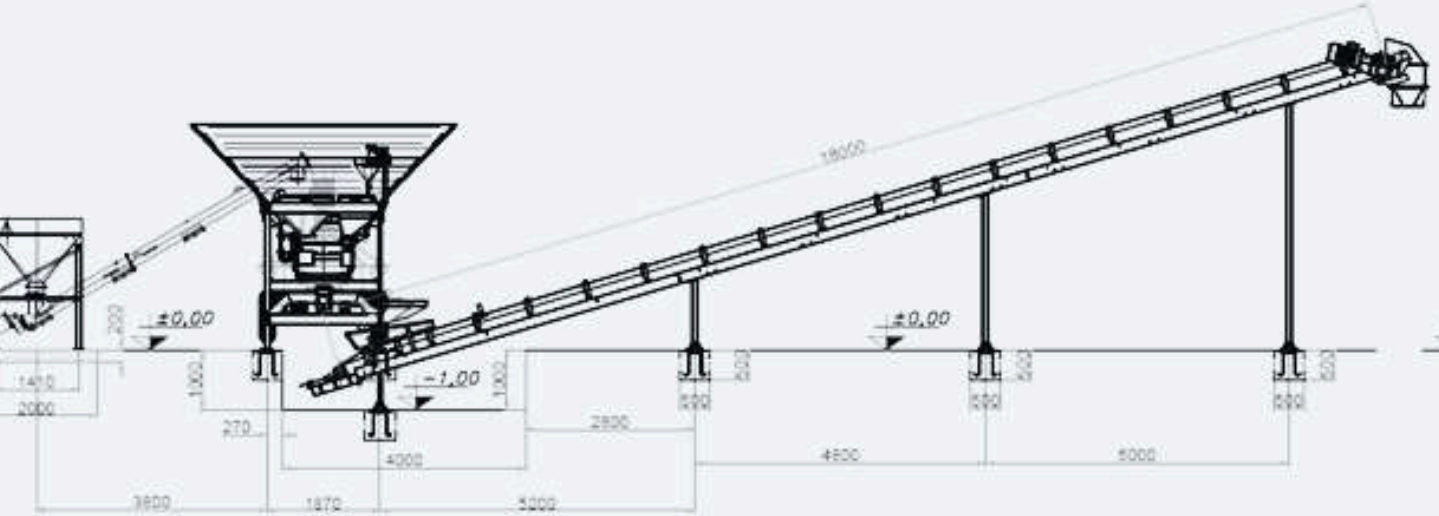
A product of the latest technology and extensive R&D efforts, Megamak Mobile Concrete Batching Plants are the preferred choice for ready-mix concrete producers and construction companies in project-based concrete production. Their portability, quick installation, ease of use in confined spaces, high performance, and quality set them apart in the industry. The range includes models with capacities of 15 m^3, 35 m^3, 60 m^3, 100 m^3, and 120 m^3.

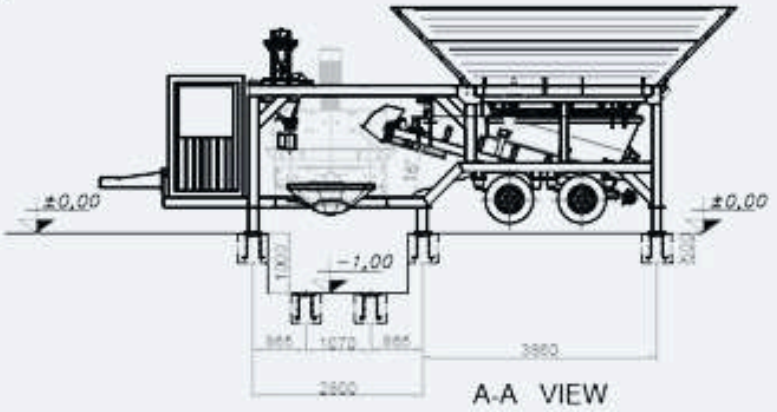
MEGAMIX M 35 SNG MOBILE CONCRETE BATCHING PLANT

The MEGAMIX Mobile 35 Concrete Batching Plant is a highly versatile and efficient solution for medium-scale construction projects. With a production capacity of 35 m^3 per hour, it combines mobility with performance, making it ideal for sites requiring frequent relocation. Designed for quick installation and setup, it can be easily transported with a single tractor. The plant requires minimal space and ensures low operational costs while delivering high-quality concrete. Its compact design, coupled with excellent performance, makes the MEGAMIX Mobile 35 a preferred choice for project-based concrete production.

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS	CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 35 m^3/h	Cement, Water, Additive Scales	Aggregate Weighing: 1300 kg
Mixer Specifications	Mixer Type: Planet		Cement Weighing: 350 kg
	Dry Capacity: 750 L		Water Weighing: 200 L
	Mixer Capacity: 500 L		Additive Weighing: 20 kg
	Motor Power: 1 x 18.5 kW	Cement Silo	Capacity: 50-75-100-150 tons
Aggregate Bin	4 Compartments: 4 x 4.5 = 18 m^3		Number of Silos: 1, 2, 3, 4 units
	Grating on Bin	Cement Silo Equipment	Screw Diameter: 168 mm
Aggregate Weighing Belt	Width: 800 mm		Screw Length: 5000 mm
	Capacity: 1300 kg		Motor Power: 5.5 kW
	Motor Power: 4 kW		Silotop Filter
	Load Cells: 2000 kg		Manual Valve
Mixer Conveyor Belt	Width: 800 mm	Air Compressor	Capacity: 350 L
	Length: 12000 mm		Working Pressure: 7-8 bar
	Motor Power: 15 kW		Motor Power: 3.3 kW





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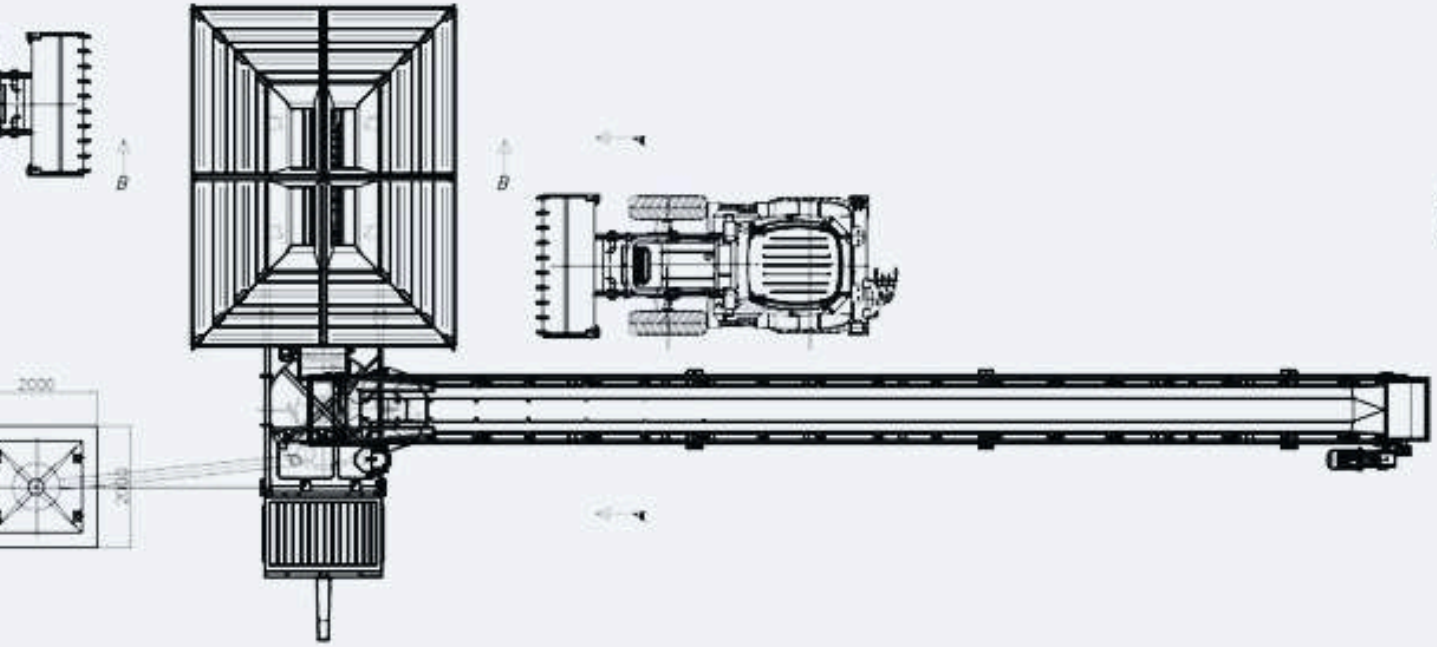
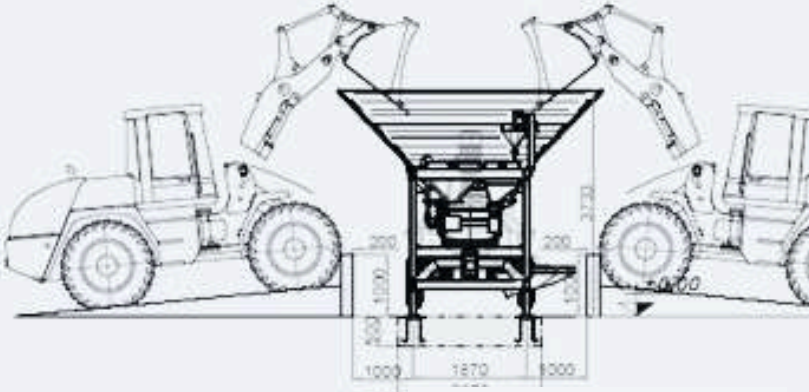




B

TECHNICAL SKETCH

MEGAMAK

MEGAMIX M 35 SNG MOBILE CONCRETE BATCHING PLANT

MEGAMIX M 60 SNG MOBILE CONCRETE BATCHING PLANT

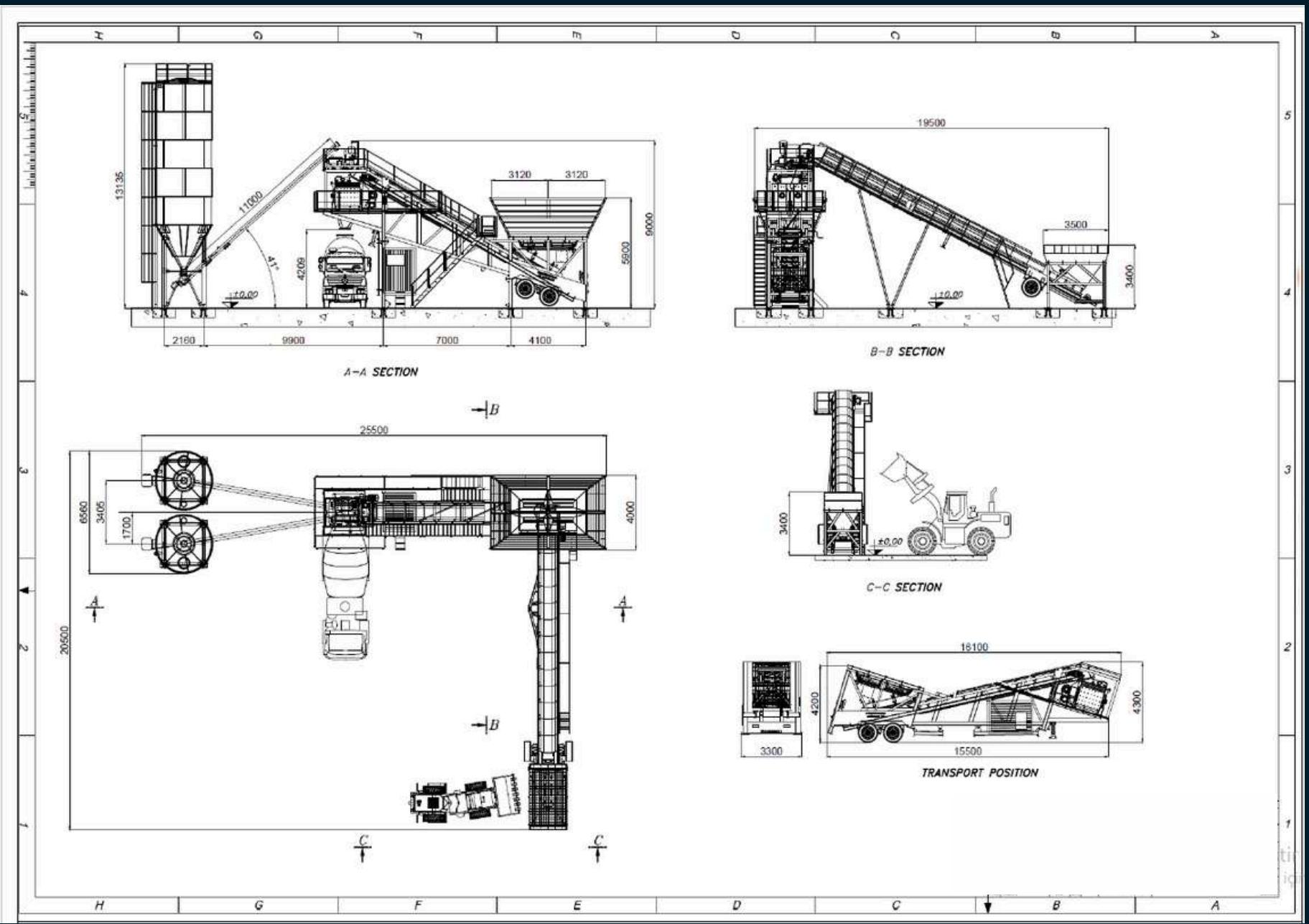
The MEGAMIX Mobile 60 Concrete Batching Plant is a high-performance solution for medium to large-scale construction projects, offering a production capacity of 60 m^3 per hour. Its fully mobile design allows for easy transportation with a single tractor and rapid installation, making it perfect for projects that require frequent relocation. The plant is engineered to operate efficiently in confined spaces, providing high-quality concrete while minimizing operational costs. Its robust structure, combined with superior performance and flexibility, makes the MEGAMIX Mobile 60 an excellent choice for contractors and ready-mix producers in need of reliable, on-site concrete production.

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 60 m^3/h
Mixer Specifications	Mixer Type: Single Shaft
	Dry Capacity: 1500 L
	Mixer Capacity: 1000 L
	Motor Power: 37 kW
Aggregate Bin	4 Compartments: 4 x 10 = 40 m^3
	Grating on Bin
Aggregate Weighing Belt	Width: 800mm
	Length: 11000 kg
	Motor Power: 15 kW
	Load Cells: 2500 kg
Mixer Conveyor Belt	Width: 800 mm
	Length: 12000 mm
	Motor Power: 15 kW

CATEGORY	SPECIFICATIONS
Cement, Water, Additive Scales	Aggregate Weighing: 2500 kg
	Cement Weighing: 600 kg
	Water Weighing: 400 L
	Additive Weighing: 50 kg
Cement Silo	Capacity: 75-100-200 tons
	Number of Silos: 1, 2, 3, 4 units
Cement Silo Equipment	Screw Diameter: 219 mm
	Screw Length: 7000 mm
	Motor Power: 11 kW
	Silotop Filter
	Manual Valve
Air Compressor	Capacity: 500 L
	Working Pressure: 7-8 bar
	Motor Power: 5.5 kW

TECHNICAL SKETCH



MEGAMIX M60 SNG MOBILE CONCRETE BATCHING PLANT

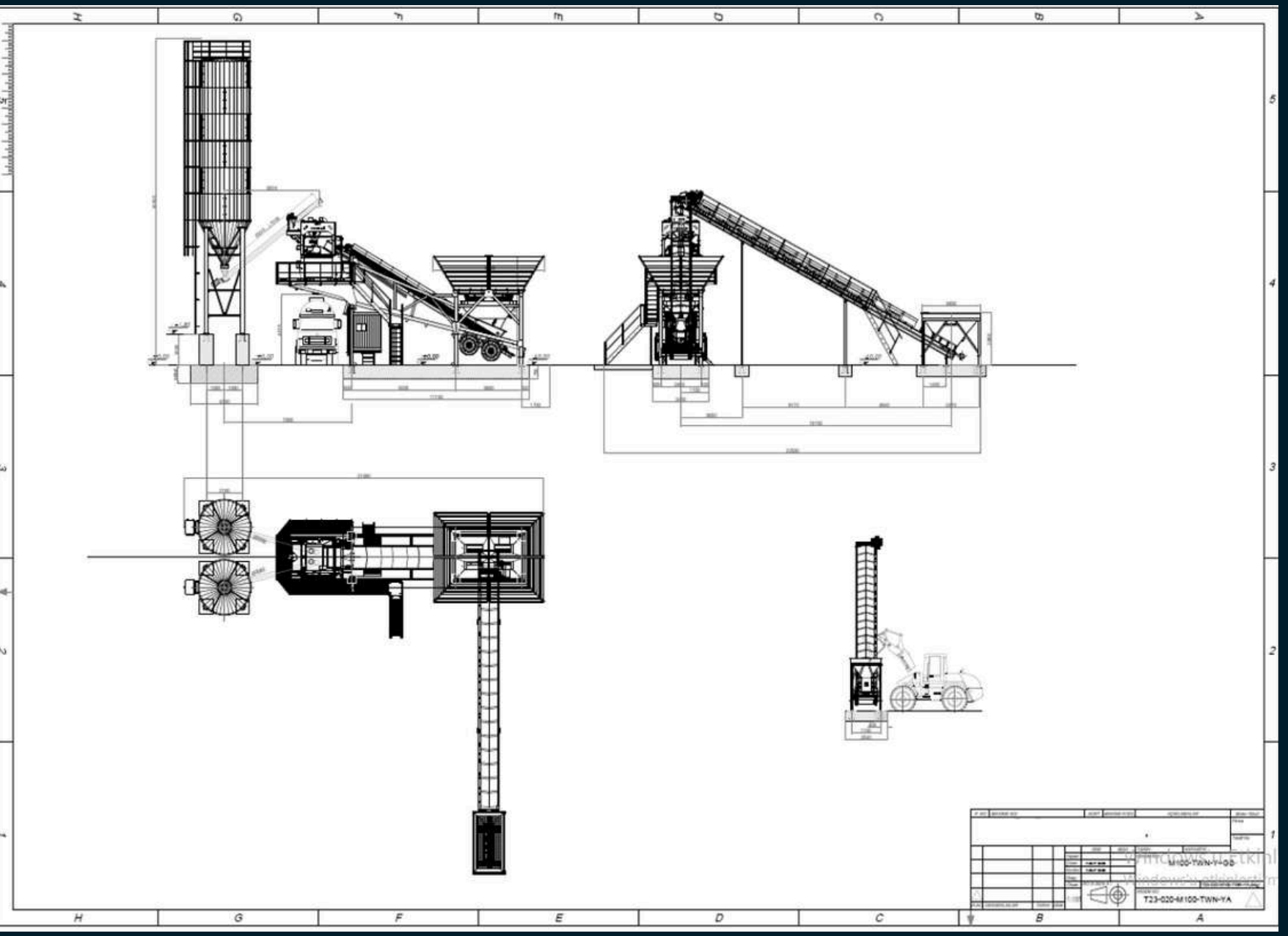
The MEGAMIX Mobile 100 Twin Shaft Concrete Batching Plant is a high-capacity, mobile solution designed for large-scale construction projects, with a production capacity of 100 m^3 per hour. Equipped with a twin shaft mixer, it ensures superior mixing performance and consistent concrete quality, even for high-volume demands. The plant is designed for mobility, allowing it to be easily transported with a single tractor and quickly installed on-site. Its robust design ensures durability in tough working conditions while maintaining low operational costs. The MEGAMIX Mobile 100 Twin Shaft offers unmatched performance, flexibility, and reliability for project-based concrete production.

MEGAMIX M 100 TWN MOBILE CONCRETE BATCHING PLANT

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 100 m^3/h
Mixer Specifications	Mixer Type: Twin Shaft
	Dry Capacity: 3000 L
	Mixer Capacity: 2000 L
	Motor Power: 2x37 kW
Aggregate Bin	4 Compartments: 4 x 11.25 = 45 m^3
	Grating on Bin
Aggregate Weighing Belt	Width: 1000mm
	Length: 11500 kg
	Motor Power: 15 kW
	Load Cells: 5000kg
Mixer Conveyor Belt	Width: 1000 mm
	Length: 12000 mm
	Motor Power: 15 kW

CATEGORY	SPECIFICATIONS
Cement, Water, Additive Scales	Aggregate Weighing: 5000 kg
	Cement Weighing: 1100 kg
	Water Weighing: 600 L
	Additive Weighing: 50 kg
Cement Silo	Capacity: 75-100-150-200 tons
	Number of Silos: 1, 2, 3, 4 units
Cement Silo Equipment	Screw Diameter: 273 mm
	Screw Length: 7000 mm
	Motor Power: 11 kW
	Silotop Filter
	Manual Valve
Air Compressor	Capacity: 500 L
	Working Pressure: 7-8 bar
	Motor Power: 5.5 kW



TECHNICAL SKETCH

MEGAMIX M100 TWN MOBILE CONCRETE BATCHING PLANT

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MEGAMIX M 120 TWN MOBILE CONCRETE BATCHING PLANT

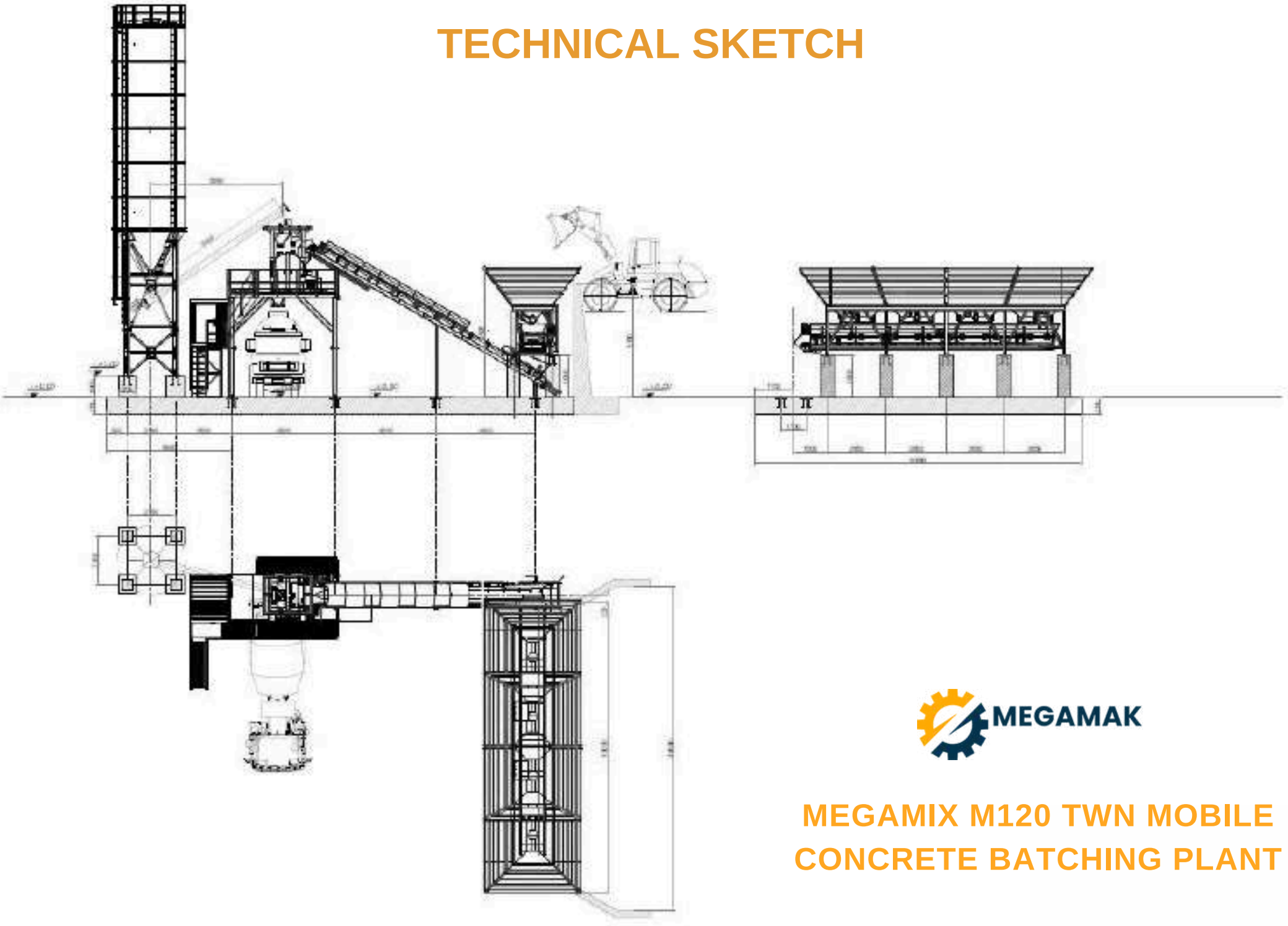
The MEGAMIX Mobile 120 Twin Shaft Concrete Batching Plant is a top-tier solution for large-scale projects, offering a high production capacity of 120 m^3 per hour. Equipped with a powerful twin shaft mixer, it ensures exceptional mixing quality and consistency for large volumes of concrete. Despite its high capacity, the plant maintains full mobility, with all components easily transported using a single tractor and allowing for quick installation and setup. Designed for efficiency, durability, and ease of maintenance, the MEGAMIX Mobile 120 delivers outstanding performance while minimizing operational costs, making it ideal for demanding construction environments.

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 120 m^3/h
Mixer Specifications	Mixer Type: Twin Shaft
	Dry Capacity: 4500 L
	Mixer Capacity: 3000 L
	Motor Power: 2x55 kW
Aggregate Bin	4 Compartments: 4 x 15 = 60 m^3
	Grating on Bin
Aggregate Weighing Belt	Width: 1000mm
	Length: 13200 kg
	Motor Power: 15 kW
	Load Cells: 6000kg
Mixer Conveyor Belt	Width: 1000 mm
	Length: 12000 mm
	Motor Power: 15 kW

CATEGORY	SPECIFICATIONS
Cement, Water, Additive Scales	Aggregate Weighing: 6000 kg
	Cement Weighing: 1700 kg
	Water Weighing: 900 L
	Additive Weighing: 50 kg
Cement Silo	Capacity: 75-100-150-200 tons
	Number of Silos: 1, 2, 3, 4 units
Cement Silo Equipment	Screw Diameter: 273 mm
	Screw Length: 7000 mm
	Motor Power: 11 kW
	Silotop Filter
	Manual Valve
Air Compressor	Capacity: 500 L
	Working Pressure: 7-8 bar
	Motor Power: 5.5 kW

TECHNICAL SKETCH



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MEGAMIX M120 TWN MOBILE CONCRETE BATCHING PLANT

Compact Concrete Batching Plants

Megamix Compact Concrete Batching Plants are designed to provide efficient and flexible solutions for concrete production while minimizing space requirements. These compact plants offer a perfect balance of high performance and mobility, making them ideal for projects where quick installation, easy transport, and limited space are key factors. All components of the plant are pre-assembled and pre-wired, ensuring that only minimal on-site setup is needed, which drastically reduces installation time.

Compact plants are fully containerized for ease of transport and offer "Plug-and-Play" functionality. They come equipped with advanced automation systems, ensuring precise control over the entire concrete production process, from material feeding to mixing. Despite their smaller footprint, Megamix compact plants provide high-quality concrete production with low operational costs, making them suitable for both temporary and permanent installations. This makes them a preferred choice for contractors looking for flexibility, quick mobilization, and reliable performance.

MEGAMIX C60 SINGLE COMPACT PLUS BATCHING PLANT

The MEGAMIX C60 Compact Concrete Batching Plant is designed for efficiency and versatility in medium-scale concrete production, with a capacity of 60 m^3 per hour. Its compact design makes it ideal for sites with limited space, while still delivering high-performance output. The C60 offers quick installation and easy transport, providing the flexibility to move between sites with minimal effort. Despite its smaller footprint, it ensures reliable, consistent concrete quality. The plant is engineered for low operational costs and easy maintenance, making it an excellent choice for projects requiring efficient, space-saving solutions without sacrificing productivity.

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS	CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 60 m^3/h	Cement, Water, Additive Scales	Aggregate Weighing: 2200 kg
Mixer Specifications	Mixer Type: Single Shaft		Cement Weighing: 600 kg
	Dry Capacity: 1500 L		Water Weighing: 400 L
	Mixer Capacity: 1000 L		Additive Weighing: 50 kg
	Motor Power: 37 kW	Cement Silo	Capacity: 75-100-150-200 tons
Aggregate Bin	4 Compartments: 4 x 10 = 40 m^3		Number of Silos: 1, 2, 3, 4 units
	Grating on Bin	Cement Silo Equipment	Screw Diameter: 219 mm
Aggregate Weighing Belt	Width: 800mm		Screw Length: 7000 mm
	Length: 12000 kg		Motor Power: 11 kW
	Motor Power: 15 kW		Silotop Filter
			Manual Valve
Mixer Conveyor Belt	Width: 1000 mm	Air Compressor	Capacity: 500 L
	Length: 12000 mm		Working Pressure: 7-8 bar
	Motor Power: 15 kW		Motor Power: 5.5 kW

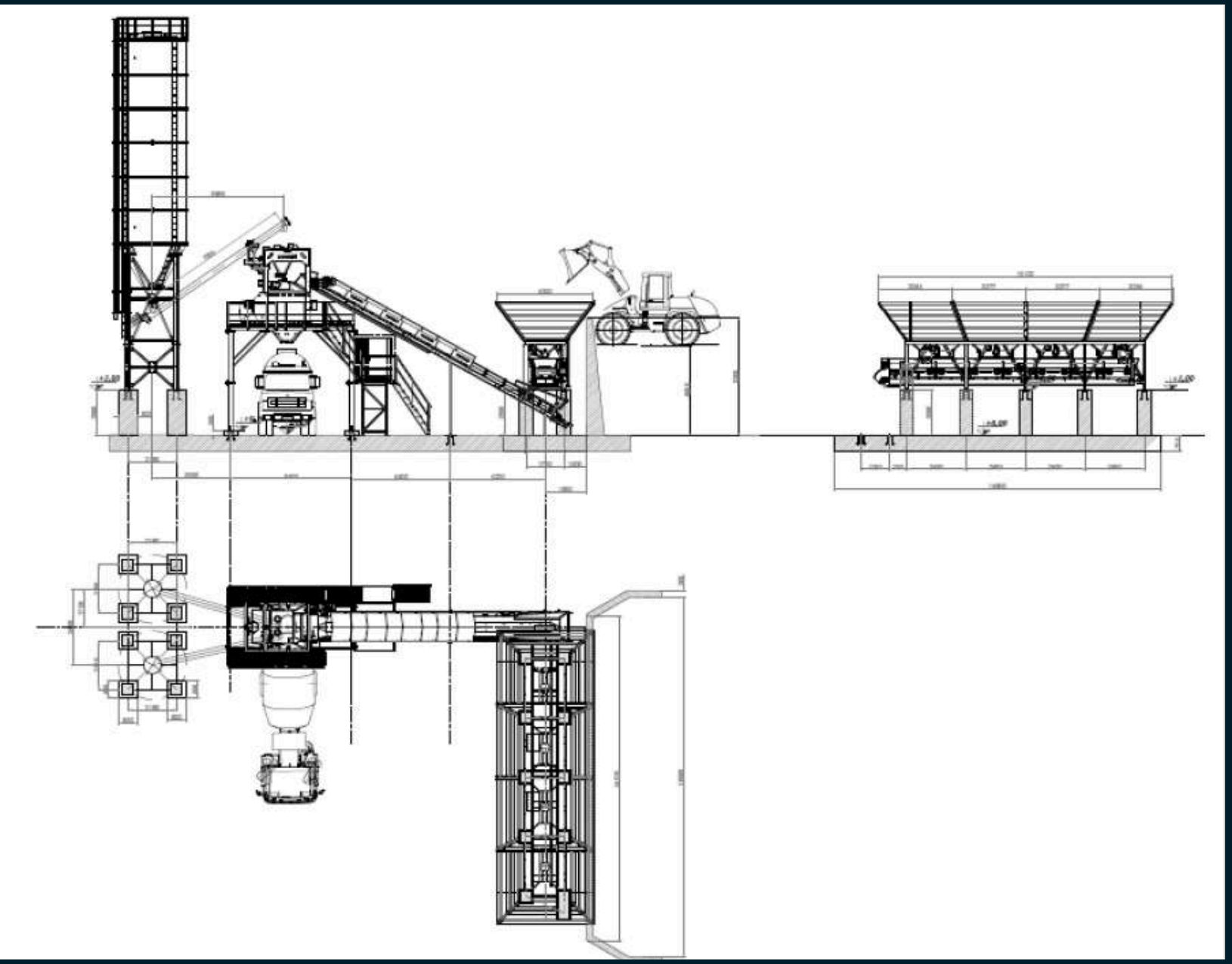
MEGAMIX C100 TWN COMPACT BATCHING PLANT

The MEGAMIX C100 Twin Shaft Compact Concrete Batching Plant is a high-capacity, space-efficient solution designed for projects requiring both performance and mobility. With a production capacity of 100 m^3 per hour, the C100 Twin Shaft ensures consistent, high-quality concrete output thanks to its powerful twin shaft mixer, which provides superior mixing performance.

This compact plant is fully containerized for easy transport, and its "Plug-and-Play" design allows for quick installation with minimal on-site assembly. Delivered with all components pre-installed and pre-wired, the C100 is ready to operate shortly after arriving at the site, making it ideal for time-sensitive projects. Combining advanced automation, low operational costs, and robust construction, the MEGAMIX C100 Twin Shaft offers a perfect balance of efficiency, convenience, and high performance in a compact package.

TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS	CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 100 m^3/h	Cement, Water, Additive Scales	Aggregate Weighing: 4200 kg
Mixer Specifications	Mixer Type: Twin Shaft		Cement Weighing: 1100 kg
	Dry Capacity: 3000 L		Water Weighing: 600 L
	Mixer Capacity: 2000 L		Additive Weighing: 50 kg
	Motor Power: 2x37 kW	Cement Silo	Capacity: 75-100-150-200 tons
Aggregate Bin	4 Compartments: 4 x 20 = 80 m^3		Number of Silos: 1, 2, 3, 4 units
	Grating on Bin	Cement Silo Equipment	Screw Diameter: 273 mm
Aggregate Weighing Belt	Width: 1000mm		Screw Length: 7000 mm
	Length: 12000 kg		Motor Power: 11 kW
	Motor Power: 15 kW		Silotop Filter
			Manual Valve
Mixer Conveyor Belt	Width: 1000 mm	Air Compressor	Capacity: 500 L
	Length: 12000 mm		Working Pressure: 7-8 bar
	Motor Power: 15 kW		Motor Power: 5.5 kW



TECHNICAL SKETCH

MEGAMIX C100 TWIN COMPACT CONCRETE BATCHING PLANT

MEGAMIX C120 TWN COMPACT BATCHING PLANT

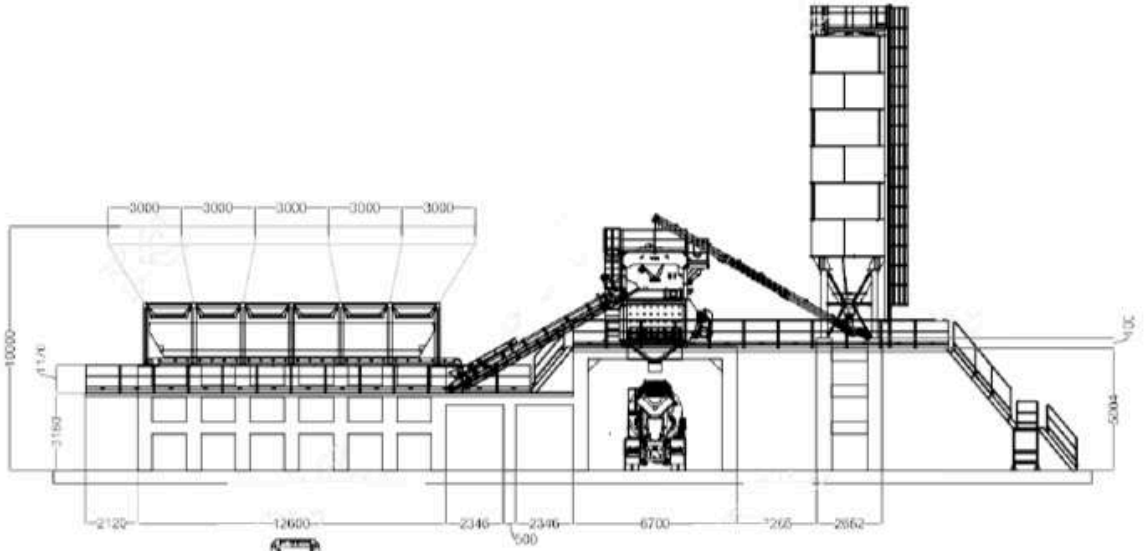
The MEGAMIX C120 Twin Shaft Compact Concrete Batching Plant (TWN L) is a high-capacity, compact solution designed for demanding construction projects requiring both large-scale production and space efficiency. With a production capacity of 120 m^3 per hour, the C120 Twin Shaft delivers exceptional mixing performance, thanks to its twin shaft mixer that ensures consistent and high-quality concrete output.

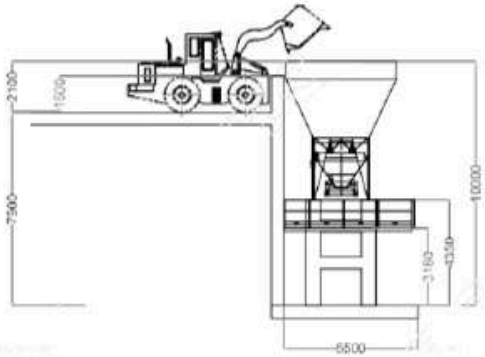
The "Plug-and-Play" system ensures that the plant arrives on-site with all components pre-installed, including electrical systems and cabling, requiring minimal assembly before operation. Offering low operational costs, advanced automation, and robust construction, the MEGAMIX C120 Twin Shaft (TWN L) provides the perfect balance of high capacity, reliability, and convenience for both temporary and permanent installations.

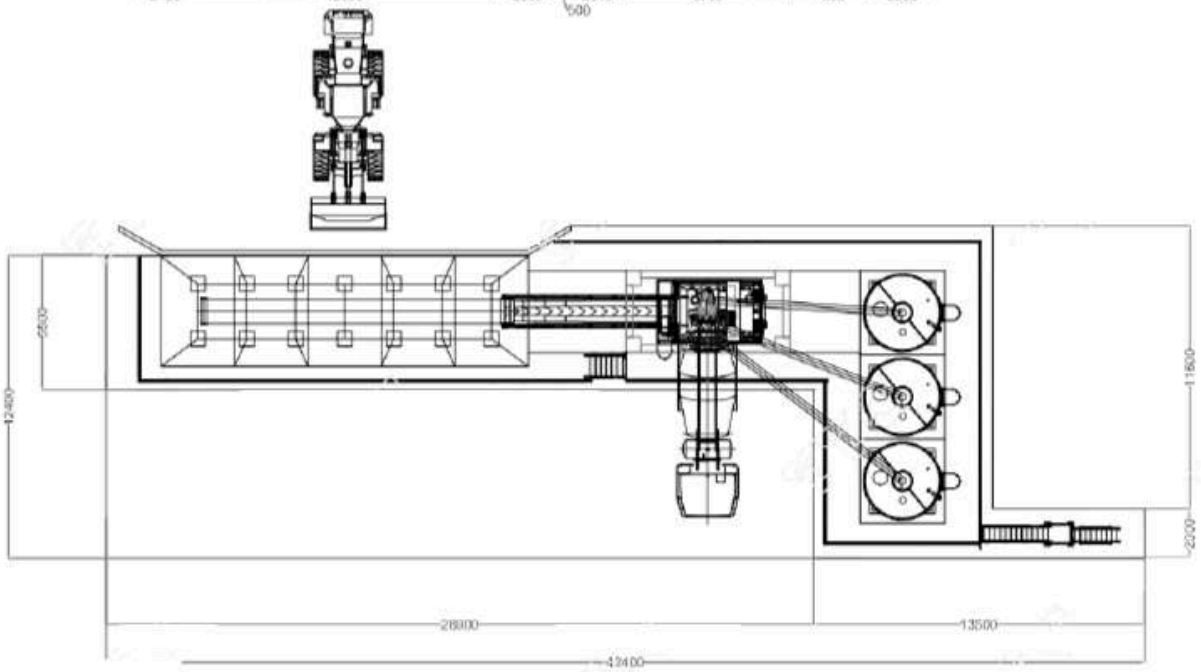
TECHNICAL PARAMETERS

CATEGORY	SPECIFICATIONS
Plant Capacity	Compressed Concrete Capacity: 120 m^3/h
Mixer Specifications	Mixer Type: Twin Shaft
	Dry Capacity: 4500 L
	Mixer Capacity: 3000 L
	Motor Power: 2x55 kW
Aggregate Bin	4 Compartments: 4 x 30 = 120 m^3
Aggregate Weighing Belt	Width: 1000mm
	Length: 14000 kg
	Motor Power: 15 kW
Mixer Conveyor Belt	Width: 1000 mm
	Length: 12000 mm
	Motor Power: 15 kW

CATEGORY	SPECIFICATIONS
Cement, Water, Additive Scales	Aggregate Weighing: 6500 kg
	Cement Weighing: 1700 kg
	Water Weighing: 900 L
	Additive Weighing: 50 kg
Cement Silo	Capacity: 75-100-150-200 tons
	Number of Silos: 1, 2, 3, 4 units
Cement Silo Equipment	Screw Diameter: 273 mm
	Screw Length: 7000 mm
	Motor Power: 11 kW
	Silotop Filter
	Manual Valve
Air Compressor	Capacity: 500 L
	Working Pressure: 7-8 bar
	Motor Power: 5.5 kW







MEGAMIX C120 TWIN COMPACT CONCRETE BATCHING PLANT

MGM – 120 M3 – COMPACT STATIONARY CONCRETE BATCHING PLANT SETTLEMENT PROJECT

MEGAMAK

CRUSHING & SCREENING
CONCRETE PLANT
ASPHALT MIXING PLANT

ADNAN KAHVECİ MAH. YAVUZ SULTAN SELİM BULV. UMUT SİTESİ 2. BLOK NO:8 D:4
İSTANBUL-TÜRKİYE

www.megamak.net / info@megamak.net +90 212 655 02 05 +90 505 530 01 79

	NAME & SURNAME	DATE	SIGNATURE
DRAWN BY	EMİNE ÇETİNYÜREK	31.07.24	
CONTROLLED BY	CENGİZ ÖZTÜRK	31.07.24	
APPROVED BY	CENGİZ ÖZTÜRK	31.07.24	

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PROJECT NUMBER : MGM8402024

AUTOMATION SYSTEMS

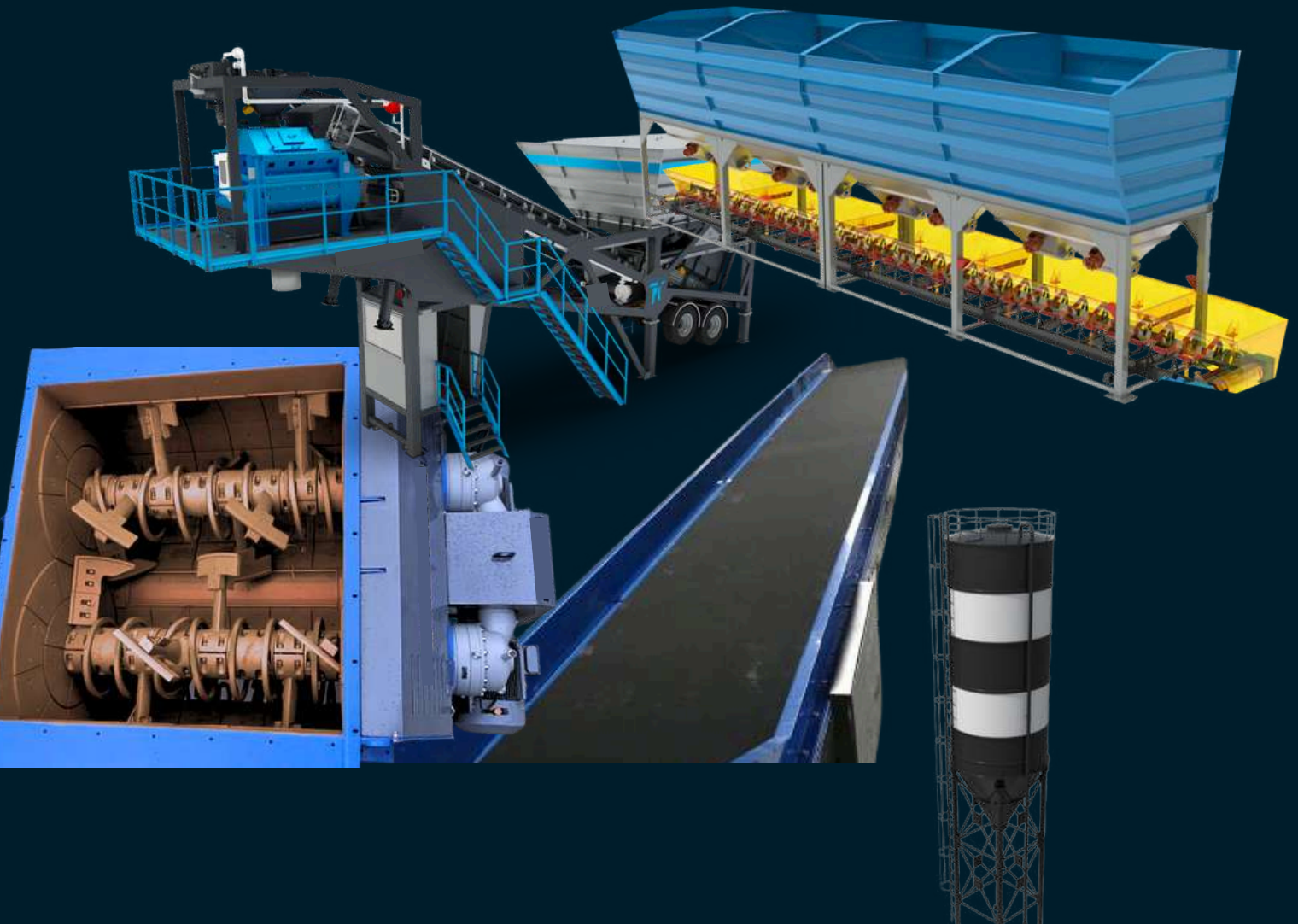
AUTOMATION SYSTEMS

In ready-mix concrete production, the entire process is governed by a computer-controlled automation system that ensures precise and efficient dosing of materials. This system automates the production process by utilizing pre-installed concrete mix formulas, which are selected based on specific project requirements. Once the production command is initiated, the necessary materials for the selected formula—such as cement, aggregates, additives, and water—are automatically weighed and processed in the correct proportions. The aggregates are mixed in dedicated bins or hoppers, while cement is stored in silos, and additional materials like additives and water are blended into the mix at designated stages. After the final water and additive components are transferred to the pan mixer, the mixture undergoes precise mixing to create a consistent concrete blend. The completed mix is then discharged and prepared for transportation.

The entire production process is monitored and controlled by an operator from the central control panel. Upon completion, the system automatically generates output documentation, such as delivery notes and accounting records, which ensure that the produced concrete meets the order specifications and technical criteria.

It's important to note that automation in a ready-mix concrete plant goes beyond just automatic material dosing. Modern automation systems also manage various other critical components of the plant, including process monitoring, production reporting, alarm systems, order management, production planning, inventory control, truck scales, mixer performance monitoring, and quality control reporting. These functions work together to optimize the overall operation of the plant, ensuring consistency, efficiency, and high-quality output.

SPARE PARTS FOR CONCRETE BATCHING PLANTS



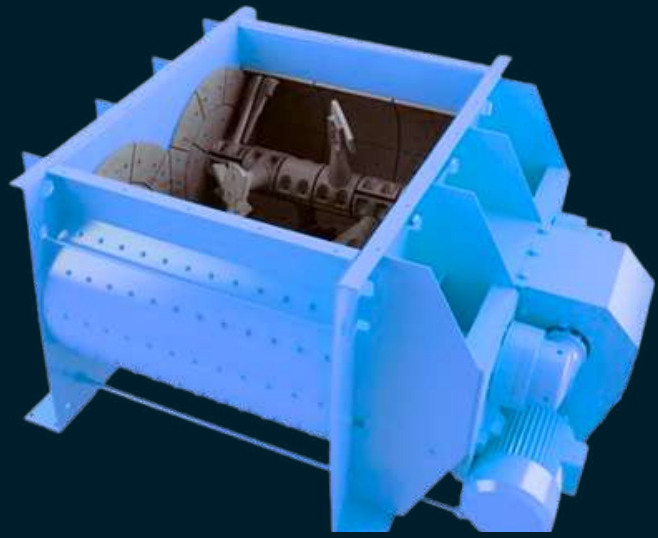
At MEGAMAK, we offer a comprehensive range of essential components and equipment for concrete batching plants, including mixers, main frames, aggregate bunkers, conveyor systems, and cement silos. Our solutions are designed to meet the specific needs of each project, ensuring reliable performance and smooth operation. Whether for stationary or mobile plants, our equipment is engineered for durability and efficiency. More details on each of these components will be provided in the following sections to give you a clear understanding of how they contribute to the overall functionality of the plant.

PLANETARY MIXERS

Planetary mixers are designed for superior mixing precision. Their unique "planetary" mixing motion—where the blades rotate around both their own axes and the central axis—ensures a high degree of homogeneity in the mix.

SINGLE SHAFT MIXERS

Single shaft mixers are a practical solution for medium-scale concrete production. With a simpler design and easy maintenance, they are efficient for operations that do not require the complex mixing dynamics of twin shaft mixers.

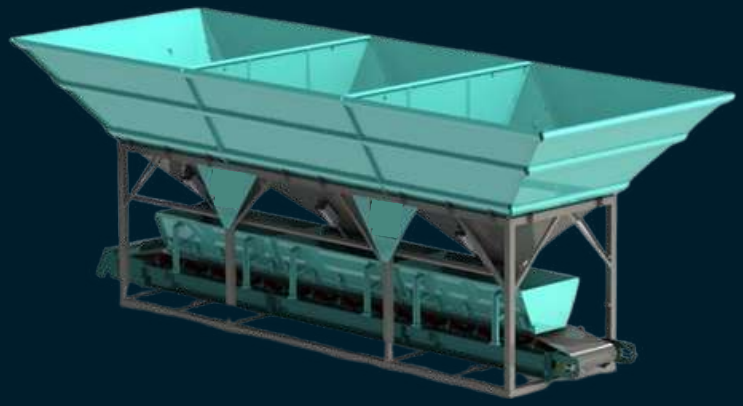


TWIN SHAFT MIXERS

Twin shaft mixers are renowned for their power and high efficiency, delivering fast, consistent, and high-volume concrete production. Their dual horizontal shafts ensure a thorough, rapid mix even in large batches

MAIN FRAME

The main frame of the plant provides structural integrity and stability to the entire operation. It supports all components, ensuring durability and resistance to heavy loads during continuous concrete production.



AGGREGATE BUNKERS

Aggregate bunkers are used to store and manage the aggregates (sand, gravel, etc.). They are designed for efficient material flow, ensuring that the aggregates are ready for dosing and mixing.

CONVEYOR SYSTEMS

These systems transport materials (aggregates, cement, etc.) between various parts of the plant, ensuring smooth and continuous movement. MEGAMAK conveyor systems are built for efficiency and reduced downtime.

SILO

Cement silos store cement and other fine materials, designed for safety and minimal environmental impact. They include essential accessories like filters, valves, and level indicators to ensure smooth and reliable operation.

REDUCTOR

Reductors are vital for controlling the speed and torque of various machinery in the plant, particularly the conveyors and mixers. They ensure smooth, efficient, and precise operation of equipment by adjusting the mechanical power, reducing wear, and improving the lifespan of the plant’s components.

SCREW CONVEYOR

Spiral (screw) conveyors are used to transport cement from the silo to the weighing hopper. They are efficient at moving powdered materials while ensuring a consistent flow. Designed for durability, they minimize material loss and contribute to the smooth operation of the plant's dosing system.

REFERENCES

WE SUCCESSFULLY COMPLETED OVER 500 CONCRETE BATCHING AND CRUSHING & SCREENING PLANTS IN MORE THAN 20 COUNTRIES

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+90 505 530 01 79
+90 552 347 22 87

+90 505 530 01 79
+90 552 347 22 87

+90 505 530 01 79
+90 552 347 22 87

info@megamak.net

www.megamak.net