CONCRETE BATCHING PLANTS

Right Solutions for Ready-Mix Concrete, Construction, and Precast Industries

MEKA

www.mekaglobal.com

IMAGES

Cover HS2 Project / UK, MEKA Stationary Concrete Plant
1 Meka Stationary Concrete Plants Engineered for Strabag / Dam Construction Project / Turkey
2 Meka Portable VSI Crusher / USA
3 M 100 Meka Mobile Concrete Plant / UK
4 250 TPH Two-Stage Limestone Crushing Plant / CIS
5 Zinc-Lead Ore Processing Plant / Turkey

MEKA AT A GLANCE

WHO WE ARE?

MEKA is a world-class manufacturer and supplier of Complete Plants and Equipment to the Concrete batching plant and Mineral Processing sectors. The name MEKA is synonymous with efficiency and quality in more than 110 countries around the world.

35+ YEARS EXPERIENCE

Founded by an engineer, MEKA is a family-owned company. True to its roots, MEKA excels in engineering of high-end products at the lowest service lifetime costs. Through continuous investment into engineering and manufacturing capacity, MEKA offers the best lifetime value to its customers.

"MEKA is ready to meet the evolving global needs for the ready-mix concrete and mineral processing solutions required for the construction of a better world."

Mehmet Kaybal
B.Sc. ME, FOUNDER & CEO

%100 FULL SERVICE

From sales to final delivery, everyone on the MEKA staff is dedicated to the provision of the highest quality service to our customers.

We provide in-depth details of the process early in the task and update our customers on specific details along the way. Every plant is designed with the customer in mind and is backed by service extending years beyond the delivery of the product through the support of our local partners. Our dedicated spare parts warehouses around the world and our in-house MEKA engineers who are ready to visit our clients' sites.

110.000m²+ MANUFACTURING SPACE

MEKA operates five specialized manufacturing facilities, each of which is crafted to provide optimum efficiency and service. When partnered with local service centers, MEKA boasts unparalleled manufacturing power. We currently have 110,000 m² total storage space, with more in planning.

Annual manufacturing capacity for concrete plants: 250+, for crushing plants: 150+.

500+ EMPLOYEES

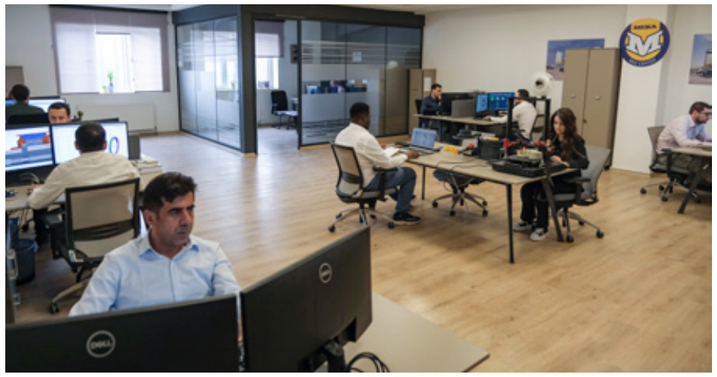
MEKA is home to more than 500 employees, and the family is being added to day by day to ensure the provision of even better service to our clients. With the inclusion of our supplier base, our extended family numbers over 2000 people, consisting of hard-working fabricators, quality control engineers, designers, sales staff and more ...

Scenes from MEKA Factories

R&D IS IN THE DNA OF MEKA

MEKA makes difference. We listen to our customers and deliver the products they need.

MEKA is a State Recognized Research and Development Center, which is a privileged position that allows us to set bolder targets for the future. More than 70 R&D Engineers from different disciplines work daily with the best draftsmen to bring you better products. We are currently working on more than 20 new projects that will be ready to meet the challenges that the changing market dynamics will bring.



We work continuously with well-known companies in the world and provide solutions to world-class projects.

CONCRETE BATCHING PLANTS

FOR READY-MIX CONCRETE, CONSTRUCTION, AND PRECAST INDUSTRIES

Concrete Batching Plants are used for manufacturing of high-quality concrete for a variety of construction applications, such as buildings, roads, bridges and airports. MEKA offers a wide range of Ready-Mix Concrete Batching Plants and MEKA concrete mixers. Mobile, Compact and Stationary Concrete batching plants can be configured as special solutions for different kinds of concrete, including Roller Compacted Concrete, Road Concrete, Extra Heavy Concrete, Fiber-Reinforced Concrete, etc., according to the customers' specific requirements.

Our Single Shaft, Twin Shaft and Planetary Concrete Mixers cover a wide range of needs and add flexibility to the manufacturing process. MEKA also offers different components and options for the concrete sector that increase performance, add flexibility, improve accountability and enhance operational characteristics.

MEKA CONCRETE BATCHING PLANTS

> Stationary Concrete Batching Plants
> Mobile Concrete Batching Plants
> Compact Concrete Batching Plants
> Job-Site Concrete Batching Plants
> Special Concrete Batching Plants (RCC, Precast etc.)
> Concrete Mixers
> Fiber Dosing Systems
> Plant Automation
> Other Solutions

IMAGES

6 300 m³/hour Capacity Stationary Concrete Plant / London/Wembley
7 2 units K 110 Stationary Concrete Plants / Lyon Port, France
8. 2 Units K 160 Stationary Concrete Batching Plants / Turkey
9. 7 Units Special Design Concrete Batching Plants / İstanbul Airport Construction Project / Turkey

STATIONARY CONCRETE BATCHING PLANTS

ENGINEERING TO WORK AT FULL CAPABILITY, EFFICIENCY AND RELIABILITY FOR A VARIETY OF LARGE SCALE AND HIGH-QUALITY CONCRETE PRODUCTION.

MEKA Stationary concrete production equipment is built to offer maximum rated production capacity and to work long hours, while bringing the necessary flexibility for use in a wide variety of projects – especially massive infrastructural and precast concrete projects.

STATIONARY CONCRETE BATCHING PLANTS TECHNICAL SPECIFICATIONS

	K 60	K 90	K 120	K 135	K 145	K 160	K 200
Compacted Concrete Output (Mixing Time : 30 seconds/ 20 seconds)	60 m^3/h	75 m^3/h	100-110 m^3/h	112-126 m^3/h	130-147 m^3/h	160 m^3/h	200 m^3/h
Mixer Capacity (Compacted Concrete)	1,0 m^3 / Cycle	1,5 m^3 / Cycle	2,25 m^3 / Cycle	3,0 m^3 / Cycle	3,33 m^3 / Cycle	4,0 m^3 / Cycle	5,0 m^3 / Cycle
Mixer Type*	TS / SS	TS	TS	TS	TS	TS	TS
Mixer Motor Power	2x18,5 Kw / 37 kW	2x 30 kW	2x37 kW	2x55 kW	2x55 kW	2x75 kW	2x90 kW
Aggregate Bins **	4x 10 m^3 / CT 4x 20 m^3 / IT	4x 25 m^3 / IT 4x 35 m^3 / IT	4x 25 m^3 / IT 4x 35 m^3 / IT	4x 25 m^3 / IT 4x 35 m^3 / IT	4x 25 m^3 / IT 4x 35 m^3 / IT	4x 25 m^3 / IT (T Type) 4x 35 m^3 / IT (T Type)	5x 25 m^3 / IT (T Type) 5x 35 m^3 / IT (T Type)
Aggregate Feeding	Ramp or Pre-Feeding System						
Aggregate Transfer	Belt	Belt	Belt	Belt	Belt	Belt	Belt
Air Compressor	Piston Type (5,5 kW)	Piston Type (5,5 kW)	Piston Type (7,5 kW)	Piston Type (7,5 kW)	Piston Type (7,5 kW)	Piston Type (7,5 kW)	Screw Type (11 kW)
Cement Weighing Hopper	700 kg	900 kg	1.250 kg	1.750 kg	1.750 kg	2.250 kg	2.250 kg
Water Weighing Hopper	250 kg	400 kg	700 kg	1.000 kg	1.000 kg	1.200 kg	1.200 kg
Additive Weighing Hopper	20 kg	20 kg	20 kg	40 kg	40 kg	60 kg	60 kg
Cement Screw Conveyor	Ø 219x13.000 mm	Ø 219x13.500 mm	Ø 273x15.000 mm	Ø 273x15.000 mm	Ø 273x15.000 mm	Ø 323x 12.000 mm	Ø 323 x 12.000 mm

** Mixer Type : SS (Single Shaft), TS (Twin Shaft), P (Pan), PL (Planetary)*
*** Aggregate Bins : CT (Cross Type), IT (Inline Type)*

FOTOĞRAFLAR

10. K 110 Stationary Concrete Batching Plant / Belgium
11. K 140 Stationary Concrete Batching Plant / Philippines
12. 2 units K 110 Stationary Concrete Plants Equipped With Fiber Dosing System, Hinkley Point-C Nuclear Plant Construction Project, UK

MOBILE CONCRETE BATCHING PLANTS

MEKA MOBILE PLANTS ARE DESIGNED TO BE MOVEABLE, BEING MOUNTED ON A TOWABLE CHASSIS FOR MAXIMUM MOBILITY AND RAPID SETUP.

Mobile batching plants are perfect for temporary construction sites or construction projects where the equipment is only needed for specific project phases. They can be easily installed dismantled, and require minimal preparation and setup times.

MOBILE CONCRETE BATCHING PLANTS TECHNICAL SPECIFICATIONS

	M 60	M 100	M 135	M 145
Compacted Concrete Output	60 m^3/h	100 m^3/h	120 m^3/h	135 m^3/h
Mixer Capacity (Compacted Concrete)	1,0 m^3 / Cycle	2,25 m^3 / Cycle	3,33 m^3 / Cycle	3,50 m^3 / Cycle
Mixer Type*	TS / SS / PL	TS	TS	TS
Mixer Motor Power	2x 18,5 Kw / 37 kW / 45 kW	2x 37 kW	2x55 kW	2x75 kW
Aggregate Bins**	4x 10 m^3 / CT	4x 15 m^3 / CT	4x 25 m^3 / IT	4x 25 m^3 / IT
Aggregate Feeding	Ramp or Pre-Feeding System			
Aggregate Transfer	Belt	Belt	Belt	Belt
Air Compressor	Piston Type (5,5 kW)	Piston Type (7,5 kW)	Piston Type (7,5 kW)	Piston Type (7,5 kW)
Cement Weighing Hopper	500 kg	1.000 kg	1.750 kg	1.750 kg
Water Weighing Hopper	200 kg	700 kg	1.000 kg	1.000 kg
Additive Weighing Hopper	20 kg	20 kg	40 kg	40 kg
Cement Screw Conveyor	Ø 219 x 11.500 mm	Ø 273 x 15.000 mm	Ø 273 x 15.000 mm	Ø 273 x 15.000 mm

** Mixer Type : SS (Single Shaft), TS (Twin Shaft), P (Pan), PL (Planetary)*
*** Aggregate Bins : CT (Cross Type), IT (Inline Type)*

IMAGES

13 M 100 Mobile Concrete Batching Plant / Scotland
14 M 100 Mobile Concrete Batching Plant / Heidelberg Cement / Georgia
15 M 120 Mobile Concrete Batching Plant / Vinci / Turkmenistan
16 M 60 Mobile Concrete Batching Plant / Tanzania
17 M 100 Mobile Concrete Batching Plant / UK

COMPACT CONCRETE BATCHING PLANTS

WITH A COMPACT DESIGN, THESE PLANTS ARE THE OPTIMUM READY-MIX CONCRETE SOLUTION FOR TIGHT SITES.

MEKA Compact concrete batching plants are flexible, durable and provide class-leading productivity. They are the preferred solution of contractors and ready-mix concrete companies seeking an efficient, unique and rapid solution.

COMPACT CONCRETE BATCHING PLANTS TECHNICAL SPECIFICATIONS

	C 30	C 60-S	C 60-B	C 90	C 120	C 135
Compacted Concrete Output (Mixing Time: 30 / 20 seconds)	30 m^3/h	60 m^3/h	60 m^3/h	75 m^3/h	100 m^3/h	120 m^3/h
Mixer Capacity (Compacted Concrete)	0,5 m^3 / Cycle	1,0 m^3 / Cycle	1,0 m^3 / Cycle	1,5 m^3 / Cycle	2,25 m^3 / Cycle	3,0 m^3 / Cycle
Mixer Type*	P / SS / PL	TS	TS	TS	TS	TS
Mixer Motor Power	18,5 kW	2x 18,5 kW	2x 18,5 kW	2x 30 kW	2x37 kW	2x55 kW
Aggregate Bins**	4x 7 m^3 / CT	4x 20 m^3 / IT 4x 10 m^3 / CT	4x 20 m^3 / IT 4x 10 m^3 / CT	4x 20 m^3 / IT 4x 25 m^3 / IT	4x 25 m^3 / IT 4x 35 m^3 / IT	4x 25 m^3 / IT 4x 35 m^3 / IT
Aggregate Feeding	Ramp or Pre-Feeding System					
Aggregate Transfer	Skip	Skip	Belt	Belt	Belt	Belt
Air Compressor	Piston Type (4 kW)	Piston Type (5,5 kW)	Piston Type (5,5 kW)	Piston Type (5,5 kW)	Piston Type (7,5 kW)	Piston Type (7,5 kW)
Cement Weighing Hopper	300 kg	700 kg	700 kg	900 kg	1.250 kg	1.750 kg
Water Weighing Hopper	160 kg	250 kg	250 kg	400 kg	700 kg	1.000 kg
Additive Weighing Hopper	20 kg	20 kg	20 kg	20 kg	20 kg	40 kg
Cement Screw Conveyor	Ø 193x11.500 mm	Ø 219x13.000 mm	Ø 219x13.000 mm	Ø 219x13.500 mm	Ø 273x15.000 mm	Ø 273x15.000 mm

** Mixer Type : SS (Single Shaft), TS (Twin Shaft), P (Pan), PL (Planetary)*
*** Aggregate Bins : CT (Cross Type), IT (Inline Type)*

IMAGES

18 2 Units C 60 Concrete Batching Plants / USA Embrassy Construction Project / Mexico
19 C 100 Compact Concrete Batching Plant / CIS
20 C 120 Compact Concrete Batching Plant / Cameroon
21 C 60 Compact Concrete Batching Plant / Romania
22 C 60 Compact Concrete Batching Plant / Poland

JOB-SITE CONCRETE BATCHING PLANTS

A COMPLETE PLANT, INCLUDING THE CONCRETE TRANSFER CONVEYOR, CAN BE DELIVERED IN A SINGLE 40' OPEN TOP (OT) CONTAINER OR A STANDARD TRUCK.

MB-S30 On-Site Ready-Mix Concrete Plants, engineered and manufactured by MEKA Global, offer more efficient and economical approach to the production of high-quality concrete on small-sized construction sites and for a range of applications or temporary works.

JOB-SITE CONCRETE BATCHING PLANTS TECHNICAL SPECIFICATIONS

	S30
Compacted Concrete Output	30 m^3/h
Mixer Capacity (Compacted Concrete)	0,5 m^3 / Cycle
Mixer Type	MEKA Pan Mixer
Mixer Motor Power	18,5 kW
Aggregate Bins	4x 2,5 m^3 Cross Type
Aggregate Feeding	From Ground Level
Aggregate Transfer	Belt
Air Compressor	Piston Type (4 kW)
Cement Weighing Hopper	300 kg
Water Weighing Hopper	160 kg
Additive Weighing Hopper	15 kg
Cement Screw Conveyor	Ø 193 x 5.000 mm

IMAGES
23 S 30 On-Site Concrete Batching Plant, Nigeria

PRECAST AND RCC CONCRETE BATCHING PLANTS

MEKA OFFERS UNIQUE DESIGNS AND TAILOR-MADE SOLUTIONS FOR SPECIFIC CONCRETE PRODUCTION APPLICATIONS, INCLUDING ROAD CONCRETE, RCC (ROLLER COMPACTED CONCRETE), PRECAST, AMONG OTHERS.

Building bespoke plants requires a strong engineering background, experience and a dedicated labor force. The MEKA engineering team has the ability to develop complex plant layouts with a variety of equipment options.

IMAGES

24 Special Design RCC Concrete Batching Plant / DAM Construction / Turkey
25 2 Units 195 RCC / Concrete Batching Plants / DAM Construction / Turkey
26 Special Design Precast Concrete Batching Plant Equipped With Double Mixer / Turkey
27 C 60 Precast Concrete Batching Plant Equipped With Planetary Mixer / Nicaragua
28 Precast Concrete Batching Plant Equipped With Planetary Mixer / Saudi Arabia
29 Precast Concrete Batching Plant Equipped With Double Concrete Mixer / Turkey

CONCRETE FIBER FEEDING/DOSING SYSTEM

MEKA FIBER DOSING EQUIPMENT FEATURES HIGHLY ACCURATE STEEL AND SYNTHETIC FIBER DOSING.

MEKA Fiber Feeding Systems can be supplied with integrated conveyors and storage on request, as well as any additional equipment that can be custom-made to suit the requirements of our customers. The fiber weighing and feeding process can be integrated into the automated processes of the concrete plant to ensure full control over mixing quality and homogenity.

TWIN SHAFT SINGLE SHAFT PLANETARY CONCRETE MIXERS

THE HOMOGENOUS MIXING OF AGGREGATES, CEMENT, WATER, ADDITIVES AND OTHER COMPONENTS IS ONE OF THE MOST IMPORTANT STEP IN CONCRETE MANUFACTURING.

MEKA offers an extensive range of high-performance concrete mixers – Single Shaft, Twin Shaft and Planetary with variety of different capacities.

DURABLE
TRUSTED
EFFICIENT

MEKA

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