





CONCRETE BATCHING PLANTS

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ABOUT CONSTMACH

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CONSTMACH is the leader manufacturer of concrete batching plants crushing & screening equipment of Turkey. Mobile crushing and screening plants, cement silos, gravel screening and washing plants are other product types which are manufactured by CONSTMACH.

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CONSTMACH manufactures its products at its four factories which are located in İzmir, Turkey.

Our products are exported to over 85 countries on 5 continents. USA, Germany, France, Spain, Canada, Mexico, Netherlands, Belgium, Switzerland, Sweden, Poland, Bulgaria, Slovenia, Slovakia, Serbia, Hungary, Romania, Latvia, Ukraine, Russia, Egypt, Morocco, Algeria, Bahrain, Kuwait, Oman, Senegal, Cameroon, Niger, Guinea, Somaliland and many other countries where our plants are preferred by our clients.

Our main target is always manufacturing the plants and machinery which fully satisfy our clients' needs and to maintain the reliability of our company name. Customer satisfaction is the most important business criteria for our company.

CONSTMACH makes human centered designs and production in a way of respecting to the environment and occupational health and safety.

CONSTMACH is a customer-focused, team-centered and quality assurance process-managed company and to be commitment to customer relationships is always primary in **CONSTMACH**. ISO 9001:2015 Quality Management System Certificate and CE Certificate of our products are the main indicators of our quality policy.



MOBILE CONCRETE PLANTS

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MOBILE 30 MOBILE 60 MOBILE 100 MOBILE 120 MOBICOM 30 MOBICOM 45 MOBILE PRE-FEEDING UNIT

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CONSTMACH mobile concrete plants are the most preferred concrete batching plant models manufactured that are bv **CONSTMACH**. Production capacity of our mobile concrete plants differs from 30 to 120 m³/h capacity. In addition to classical type mobile concrete plants, our manufactures company also mobile & compact type MOBICOM series new generation mobile concrete plants.

Difference of MOBICOM series is the transfer type of the concrete. While the ready mixed concrete is charged to truck mixers directly from the discharging gate of the plant (mixer) in classical concrete plants, it is transferred to truck by means of a concrete transfer conveyor in MOBICOM series. MOBICOM series site type mobile concrete plants are classified as MOBICOM 30 and MOBICOM 45.

It is possible to locate a built in type (internal type) cement silo in Mobile 30, Mobile 60 and Mobile 100. Capacity of the built in type cement silo is 26 tons.

Thanks to internal type cement silo it is possible to produce concrete without needing any external equipment. It is also so easy to move the plant between jobsites. Twin shaft (double shaft), single shaft, pan and planetary type mixers can be used in our mobile concrete plants so that they could be used for different purposes such as ready mixed concrete, dry mixed concrete, precast concrete production etc.

In case of using of mobile aggregate pre-feeding systems with our mobile concrete plants, necessity of construction of loading ramp is removed, thus the jobsite infrastructure investment is minimized.

CONSTMACH Mobile concrete mixing plants are equipped with high tech control and automation systems including premium class SIEMENS & SCHNEIDER brand electronic and electric components and PLC. The whole system is controlled through an advanced software which has sophisticated features and user friendly interface.

Overall dimensions of CONSTMACH mobile concrete batching plants are defined according to international road transport regulations and they are transported between jobsites easily.

MOBILE CONCRETE PLANTS



MOBILE 30 30 m³/h capacity mobile concrete plant



MAIN VALUES OF MOBILE 30

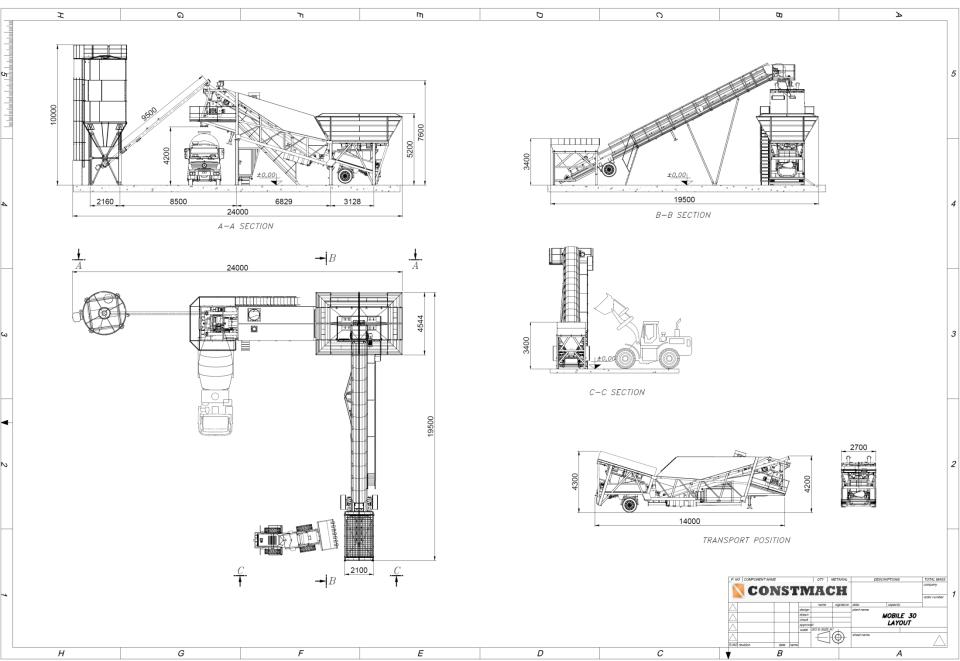
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| Production Capacity | ST. | 30 m ³ /h |
|-----------------------|---------|-------------------------------------|
| Sizes in Transport Po | osition | 14.5 (L) x 2.7 (W) x 4.3 (H) meters |
| Weight | | 16 Tons |
| Total Motor Power | | 70 kW |
| Required Electric Ger | nerator | 80 kVA |
| Mixer Options | | Pan - Single Shaft - Planetary |
| Required area to ope | rate | 200 m ² |

TECHNICAL SPECIFICATIONS OF MOBILE 30

| Aggregate Hopper Volume | 4 x 10 m ³ |
|-----------------------------|---|
| Aggregate Weighing Hopper | 0.75 m ³ |
| Aggregate Transfer Conveyor | 600 x 10.000 mm |
| Mixer Wet Concrete Volume | 0.5 m ³ |
| Cement Weighing Hopper | 300 kg |
| Water Weighing Hopper | 200 lt |
| Additive Weighing Hopper | 20 lt |
| Air Compressor | 300 lt, 4 kW |
| Cement Silo Option 1 | Internal Type, located on the plant body, 26 tons capacity. |
| Cement Silo Option 2 | External Type, optional from 50 to 200 tons capacity. |
| Control Type | FULL AUTOMATIC |

MOBILE 30 LAYOUT



MOBILE 30



With an external cement silo

With an internal cement silo





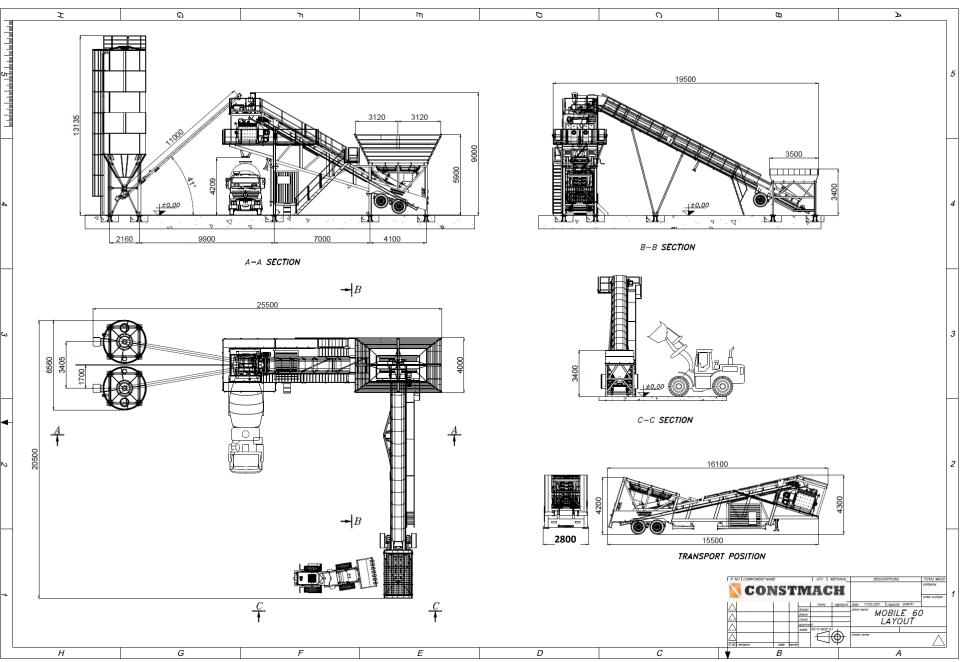
MAIN VALUES OF MOBILE 60

| Production Capacity | 60 m ³ /h |
|-----------------------------|---|
| Sizes in Transport Position | 16.1 (L) x 2.8 (W) x 4.3 (H) meters |
| Weight | 23 tons |
| Total Motor Power | 85 kW |
| Required Electric Generator | 110 kVA |
| Mixer Options | Pan - Single Shaft - Twin Shaft - Planetary |
| Required area to operate | 300 m ² |

TECHNICAL SPECIFICATIONS OF MOBILE 60

| Aggregate Hopper Volume | 4 x 10 m ³ |
|-----------------------------|---|
| Aggregate Weighing Hopper | 1.5 m ³ |
| Aggregate Transfer Conveyor | 800 x 12.000 mm |
| Mixer Wet Concrete Volume | 1 m ³ |
| Cement Weighing Hopper | 600 kg |
| Water Weighing Hopper | 300 lt |
| Additive Weighing Hopper | 30 lt |
| Air Compressor | 300 lt, 4 kW |
| Cement Silo Option 1 | Internal Type, located on the plant body, 26 tons capacity. |
| Cement Silo Option 2 | External Type, optional from 50 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

MOBILE 60 LAYOUT







MOBILE 100 100 m³/h capacity mobile concrete plant

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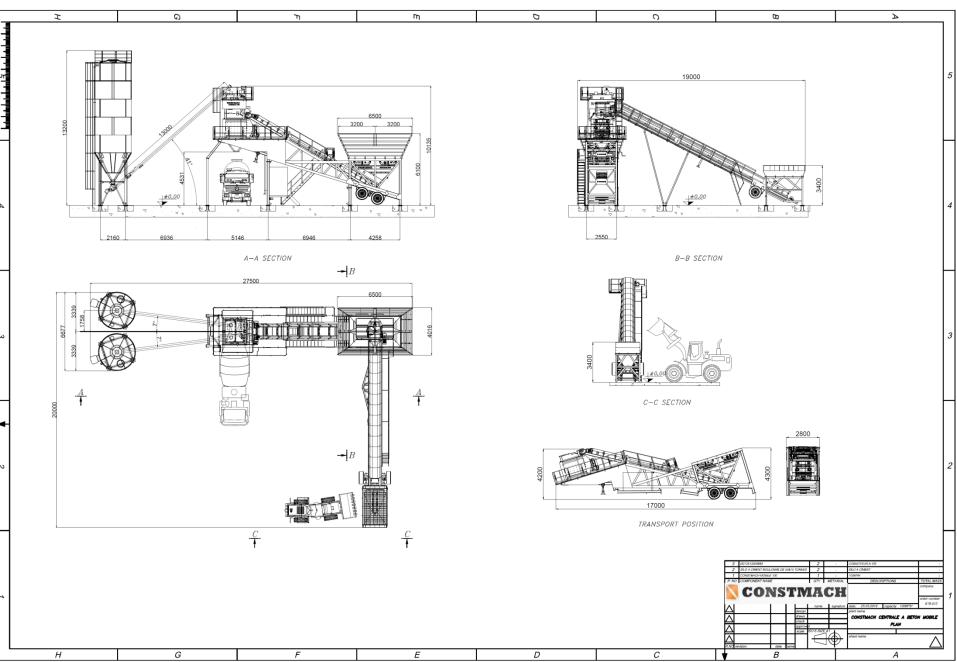
MAIN VALUES OF MOBILE 100

| Production Capacity | 100 m ³ /h |
|-----------------------------|-----------------------------------|
| Sizes in Transport Position | 17 (L) x 2.8 (W) x 4.3 (H) meters |
| Weight | 30 Tons |
| Total Motor Power | 125 kW |
| Required Electric Generator | 200 kVA |
| Mixer Options | Twin Shaft |
| Required area to operate | 300 m ² |

TECHNICAL SPECIFICATIONS OF MOBILE 100

| Aggregate Hopper Volume | 4 x 12 m ³ |
|-----------------------------|---|
| Aggregate Weighing Hopper | 3 m ³ |
| Aggregate Transfer Conveyor | 1.000 x 13.000 mm |
| Mixer Wet Concrete Volume | 2 m ³ |
| Cement Weighing Hopper | 1.200 kg |
| Water Weighing Hopper | 800 lt |
| Additive Weighing Hopper | 30 lt |
| Air Compressor | 500 lt, 5.5 kW |
| Cement Silo Option 1 | Internal Type, located on the body, 26 tons capacity. |
| Cement Silo Option 2 | External Type, optional from 50 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

MOBILE 100 LAYOUT





With external cement silo and pre-feeder



MOBILE 120 120 m³/ h capacity mobile concrete plant



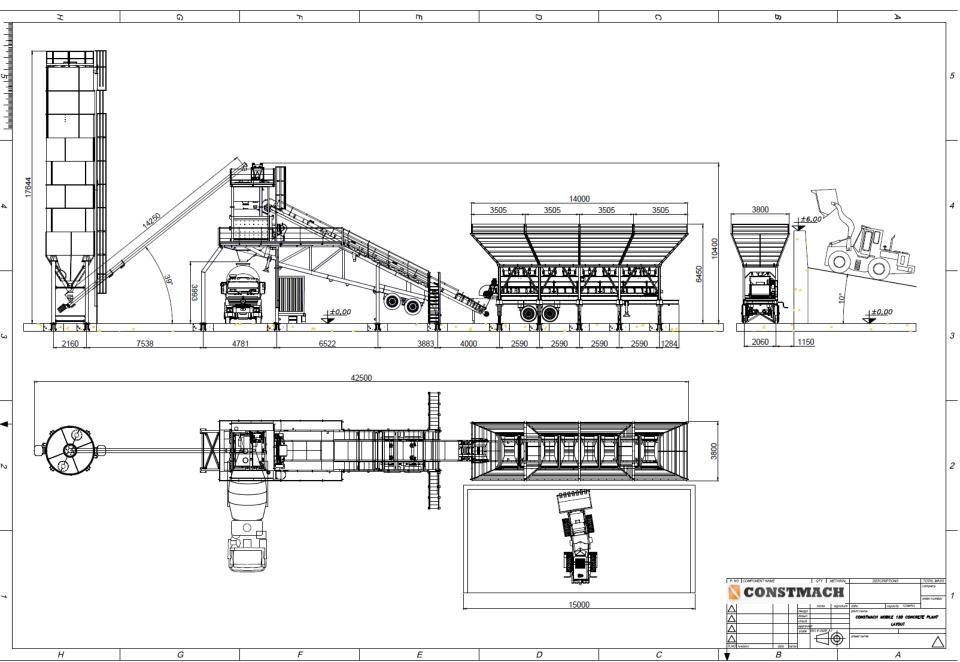
MAIN VALUES OF MOBILE 120

| Production Capacity | 120 m ³ /h |
|-----------------------------|--|
| Sizes in Transport Position | 1st chassis: 15.5 (L) x 3 (W) x 4.3 (H) meters 2nd chassis: 14 (L) x 3 (W) x 3.9 (H) meters |
| Weight | 58 tons |
| Total Motor Power | 205 kW |
| Required Electric Generator | 300 kVA |
| Mixer Options | Twin Shaft |
| Required area to operate | 500 m ² |

TECHNICAL SPECIFICATIONS OF MOBILE 120

| Aggregate Hopper Volume | 4 x 25 m ³ | 1 |
|-----------------------------|---|--|
| Aggregate Weighing Hopper | 4.5 m ³ | |
| Aggregate Weighing Conveyor | 1.000 x 11.100 mm | |
| Aggregate Transfer Conveyor | 1.000 x 15.200 mm | and an |
| Mixer Wet Concrete Volume | 3 m ³ | and the second s |
| Cement Weighing Hopper | 1.800 kg | |
| Water Weighing Hopper | 1.000 lt | |
| Additive Weighing Hopper | 100 lt | 200 |
| Air Compressor | 500 lt, 7.5 kW | average of the second |
| Cement Silo | External Type. Optional from 50 to 500 tons capacity. | |
| Control Type | FULL AUTOMATIC | 20 |

MOBILE 120 LAYOUT







MOBILE 120

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Transport position of 2nd chassis

NOBILE 120

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MOBICOM 30 30 m³/h capacity mobile and compact type concrete plant



CONSTMACH MOBICOM 30 Mobile & Compact & site type concrete batching plant is an ideal solution for the projects that require high mobility, temporary production area and low investment budget. Unlike classical mobile concrete plants, MOBICOIN 30 concrete plant can be hopper and cement transfer system which are present on chassis of the shipped within only 1 pcs 40ft Container. It requires minimum site preparation and does not require a mobile crane for the installation. Only a loader is enough. The plant can be shipped by a truck between the jobsites easily. To ensure easy mobility, MOBICOM concrete plants remain at the same position during both production and transport. Since the mixer is just above the ground level, produced concrete is transferred to truck mixer by a conveyor belt. MOBICOM 30 site type Concrete batching plant requires a minimum site preparation. Just a flat ground that is capable to carry the total load of the plant is enough

MOBICOM 30 site type mobile concrete plant has the features of being able to have all necessary equipments for concrete production except the cement silo, but If cement is supplied in bags, cement bag opening plant is used instead of a cement silo. In case of need, MOBICOM 30 can be equipped by also a cement silo. Thanks to the optimized aggregate feeding height of MOBICOM 30, ramp for loaders to charge aggregate to the hopper is not required. A loader can charge the hopper directly from ground level easily

MOBICOM 30 is equipped with high-tech automation system including top class SIEMENS & SCHNEIDER brand electronic components and PLC. The whole system is controlled through an advanced software which has sophisticated features and user friendly interface.

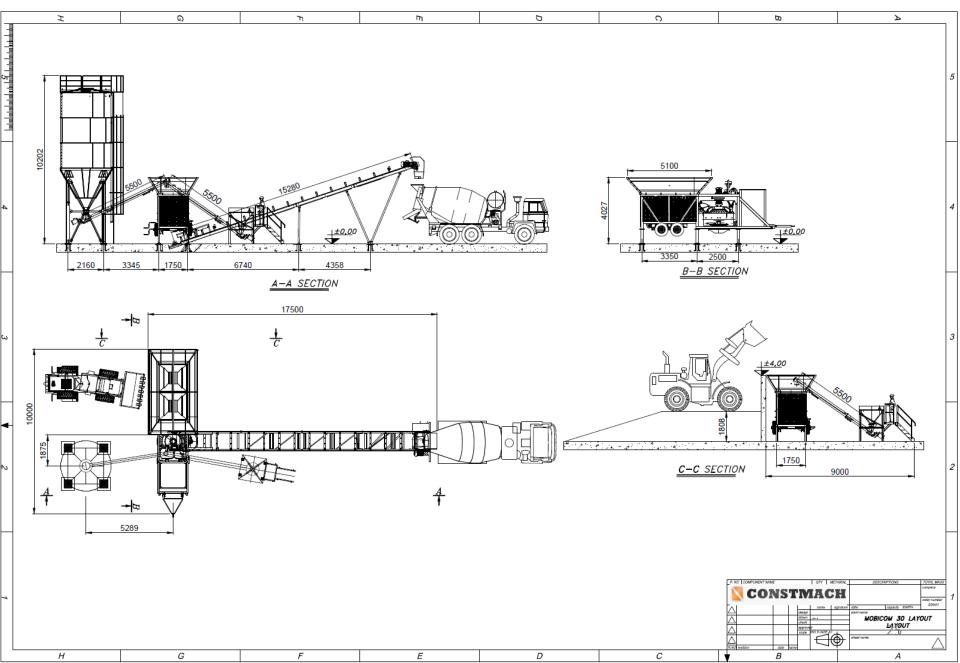
MAIN VALUES OF MOBICOM 30

| Production Capacity | 30 m ³ /h | |
|-----------------------------|----------------------------------|-------|
| Sizes in Transport Position | 8 (L) x 2.3 (W) x 2.5 (H) meters | |
| Weight | 8.5 tons | - |
| Total Motor Power | 47 kW | |
| Required Electric Generator | 70 kVA | - 4/0 |
| Mixer Options | Pan - Single Shaft - Planetary | |
| Required area to operate | 200 m ² | |

TECHNICAL SPECIFICATIONS OF MOBICOM30

| Aggregate Hopper Volume | 4 x 6 m ³ |
|----------------------------|--|
| Aggregate Weighing Hopper | 0.75 m ³ |
| Concrete Transfer Conveyor | 800 x 15.250 mm |
| Mixer Wet Concrete Volume | 0.5 m ³ |
| Cement Weighing Hopper | 300 kg |
| Water Weighing Hopper | 200 lt |
| Additive Weighing Hopper | 20 lt |
| Air Compressor | 300 lt, 4 kW |
| Cement Silo | Optional from 50 to 200 tons capacity. |
| Control Type | FULL AUTOMATIC |

MOBICOM 30 LAYOUT

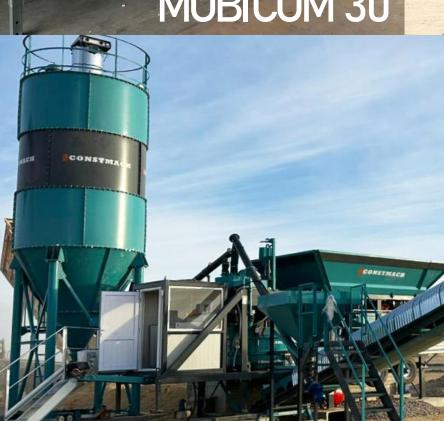


MOBICOM 30

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MOBICOM 45 45 m³/h capacity mobile and compact type concrete plant

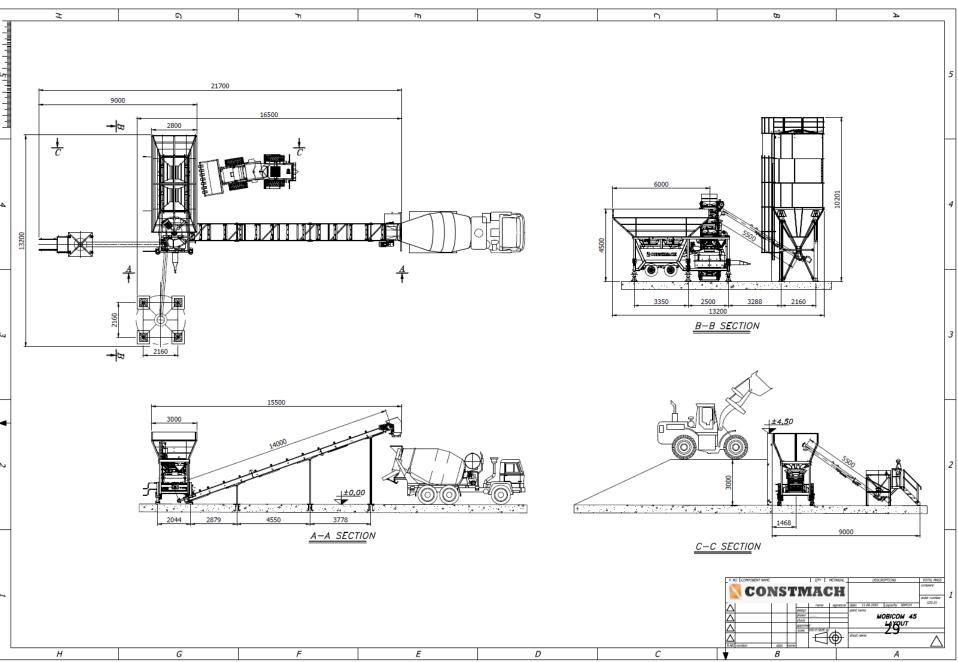
MAIN VALUES OF MOBICOM 45

| Production Capacity | 45 m ³ /h |
|-----------------------------|----------------------------------|
| Sizes in Transport Position | 8 (L) x 2.3 (W) x 2.5 (H) meters |
| Weight | 9.5 tons |
| Total Motor Power | 55 kW |
| Required Electric Generator | 80 kVA |
| Mixer Options | Pan - Single Shaft - Planetary |
| Required area to operate | 200 m ² |

TECHNICAL SPECIFICATIONS OF MOBICOM 45

| Aggregate Hopper Volume | 4 x 6 m ³ | |
|----------------------------|--|--|
| Aggregate Weighing Hopper | 1 m ³ | |
| Concrete Transfer Conveyor | 800 x 15.250 mm | |
| Mixer Wet Concrete Volume | 0.75 m ³ | |
| Cement Weighing Hopper | 450 kg | |
| Water Weighing Hopper | 300 lt | |
| Additive Weighing Hopper | 20 lt | |
| Air Compressor | 300 lt, 4 kW | |
| Cement Silo | Optional from 50 to 200 tons capacity. | |
| Control Type | FULL AUTOMATIC | |

MOBICOM 45 LAYOUT



MOBICOM 45



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STATIONARY CONCRETE PLANTS

STATIONARY 60 STATIONARY 100 STATIONARY 120 STATIONARY 160 1.00 MILLING MILLING CON

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Production capacity of our stationary type concrete batching plants are classified as 60, 100, 120, 160, 200 and 240 m³/h. As per customer needs and capacity requirements, two sets of mixers can be used at the same time in one concrete plant. You can check Double Mix 100 and Double Mix 160 to see these kinds of applications.

Twin shaft mixers, single shaft mixers, planetary mixers and pan mixers are the mixer types that are used in our stationary (fix) type concrete mixing plants according to the desired concrete type to be produced.

CONSTMACH stationary concrete batching plants are equipped with high technology control systems that include premium quality and made in Europe, SIEMENS and SCHNEIDER brands electronic components and PLC modulus. All units of the plant are controlled through an advanced software which has sophisticated features and user friendly interface. For urgent cases, manual control panel is also present.

CONSTMACH stationary type concrete mixing plants are equipped with different sizes of cement silos according to production capacity and application purposes. From 30 to 1.000 tons capacity cement silos can be used in our fix type concrete plants. Cement silos up to 50 tons capacity are manufactured as bolted and welded type. Silos have capacity above 50 tons are preferred as bolted type for easy transport. CONSTMACH cement silos are equipped with air filter against dust, pressure relief (safety) valve, level indicators, butterfly valves and air nozzles.

Our company knows very well that the climate conditions have major affects on the quality of concrete. While STATIONARY concrete batching plants in cold-climate regions such as Russia, Kazakhstan, Ukraine, Northern Europe etc. are being heated by hot vapor generators and insulated panels, the concrete water to be used in concrete plants in hotregions such as middle east, GCC or Africa countries is cooled by chillers.

Aggregate pre-feeding systems are our alternative solutions to the loading ramps which are necessary for charging the hoppers by loaders. In case of using aggregate prefeeding systems, requirement of loading ramp is removed.

Different Layouts and site plans for STATIONARY concrete plants are applied according to the conditions of the area where the concrete plant is to be installed.





MAIN VALUES OF STATIONARY 60

| Production Capacity | 60 m ³ /h |
|-----------------------------|---|
| Weight | 38 tons |
| Total Motor Power | 125 kW |
| Required Electric Generator | 200 kVA |
| Mixer Options | Pan - Single Shaft - Twin Shaft - Planetary |
| Required area to operate | 700 m ² |

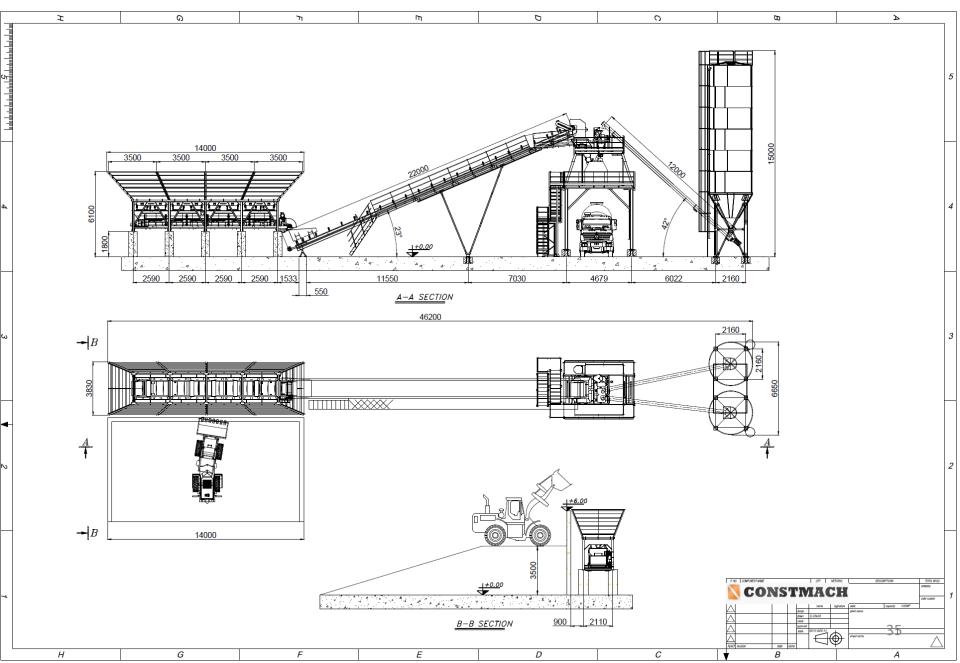
TECHNICAL SPECIFICATIONS OF STATIONARY 60

| Aggregate Hopper Volume | 4 x 20 m ³ |
|-----------------------------|--|
| Aggregate Weighing Hopper | 1.5 m ³ |
| Aggregate Weighing Conveyor | 800 x 11.100 mm |
| Aggregate Transfer Conveyor | 800 x 22.000 mm |
| Aggregate Stand-by Hopper | 1.5 m ³ |
| Mixer Wet Concrete Volume | 1 m ³ |
| Cement Weighing Hopper | 600 kg |
| Water Weighing Hopper | 300 lt |
| Additive Weighing Hopper | 30 lt |
| Air Compressor | 500 lt, 5.5 kW |
| Cement Silo | Optional from 50 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

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STATIONARY 60 LAYOUT





STATIONARY 100 100 m³/h capacity stationary concrete plant



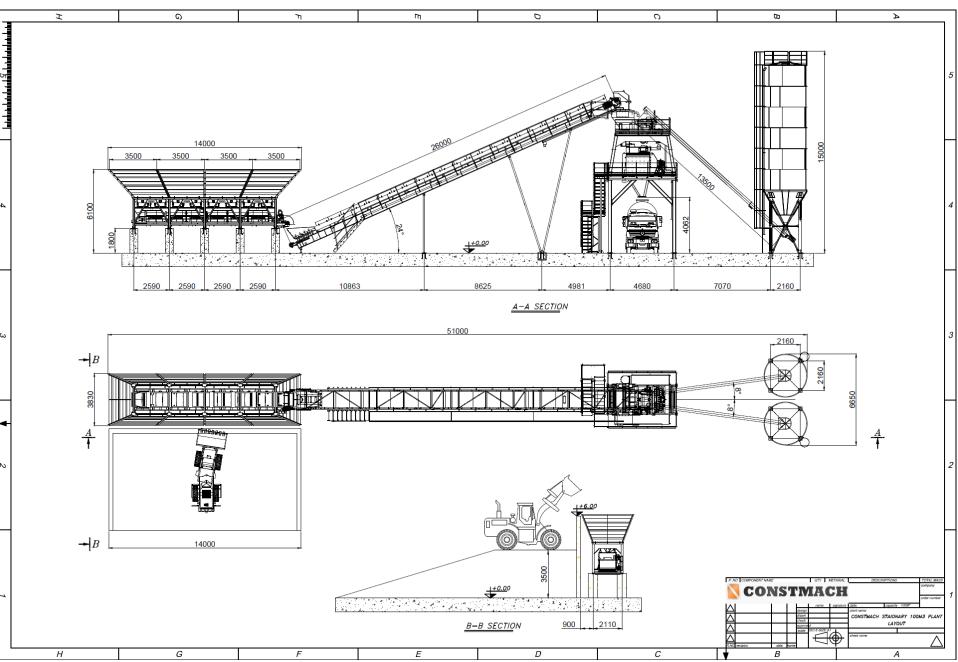
MAIN VALUES OF STATIONARY 100

| Production Capacity | 100 m ³ /h |
|-----------------------------|---|
| Weight | 48 tons |
| Total Motor Power | 175 kW |
| Required Electric Generator | 250 kVA |
| Mixer Options | Pan - Single Shaft - Twin Shaft - Planetary |
| Required area to operate | 700 m ² |

TECHNICAL SPECIFICATIONS OF STATIONARY 100

| Aggregate Hopper Volume | 4 x 25 m ³ |
|-----------------------------|--|
| Aggregate Weighing Hopper | 3 m ³ |
| Aggregate Weighing Conveyor | 1.000 x 11.100 mm |
| Aggregate Transfer Conveyor | 1.000 x 26.000 mm |
| Aggregate Stand-by Hopper | 3 m ³ |
| Mixer Wet Concrete Volume | 2 m ³ |
| Cement Weighing Hopper | 1.200 kg |
| Water Weighing Hopper | 600 lt |
| Additive Weighing Hopper | 50 lt |
| Air Compressor | 500 lt, 5.5 kW |
| Cement Silo | Optional from 75 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

STATIONARY 100 LAYOUT





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STATIONARY 120 120 m³/h capacity stationary concrete plant



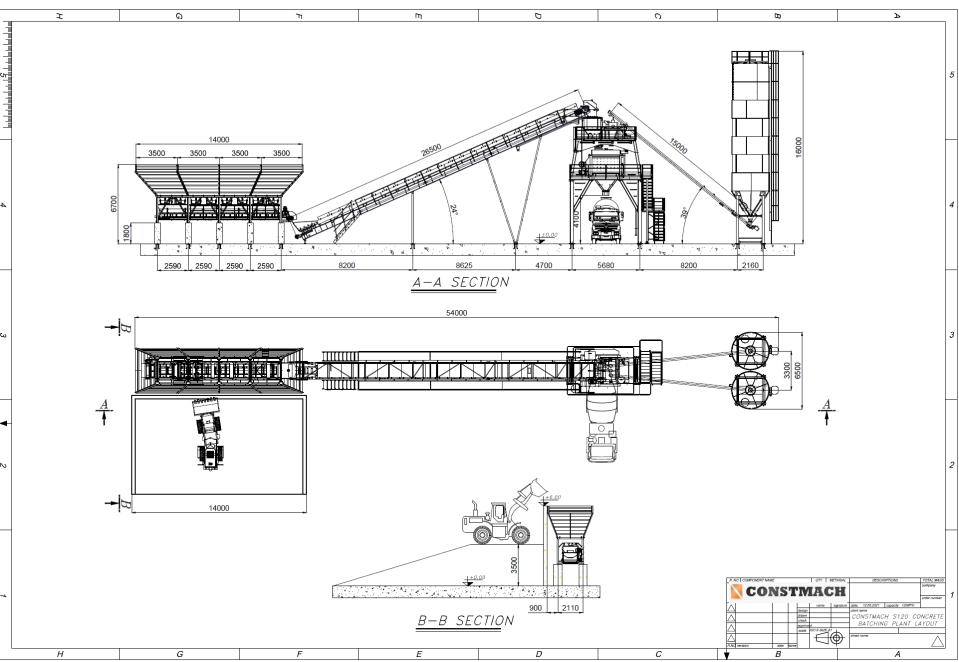
MAIN VALUES OF STATIONARY 120

| Production Capacity | 120 m ³ /h |
|-----------------------------|-----------------------|
| Weight | 58 tons |
| Total Motor Power | 205 kW |
| Required Electric Generator | 300 kVA |
| Mixer Options | Twin Shaft |
| Required area to operate | 700 m ² |

TECHNICAL SPECIFICATIONS OF STATIONARY 120

| Aggregate Hopper Volume | 4 x 30 m ³ |
|-----------------------------|---|
| Aggregate Weighing Hopper | 4.5 m ³ |
| Aggregate Weighing Conveyor | 1.000 x 11.100 mm |
| Aggregate Transfer Conveyor | 1.000 x 26.500 mm |
| Aggregate Stand-by Hopper | 4.5 m ³ |
| Mixer Wet Concrete Volume | 3 m ³ |
| Cement Weighing Hopper | 1.800 kg 🛒 💓 🔤 🦷 |
| Water Weighing Hopper | 1.000 lt 🖉 🖂 🖂 🖂 |
| Additive Weighing Hopper | 100 lt |
| Air Compressor | 500 lt, 5.5 kW |
| Cement Silo | Optional from 100 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

STATIONARY 120 LAYOUT



STATIONARY 120

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STATIONARY 160 160 m³/h capacity stationary concrete plant

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MAIN VALUES OF STATIONARY 160

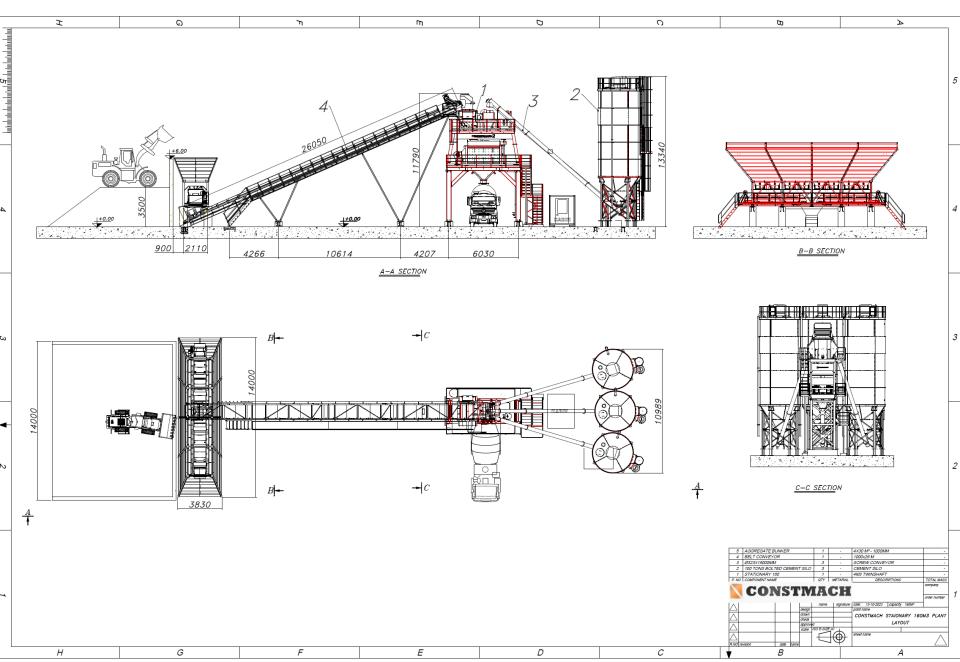
| 160 m ³ /h |
|-----------------------|
| 66 tons |
| 260 kW |
| 350 kVA |
| Twin Shaft |
| 800 m ² |
| |

TECHNICAL SPECIFICATIONS OF STATIONARY 160

| Aggregate Hopper Volume | 4 x 40 m ³ |
|-----------------------------|---|
| Aggregate Weighing Hopper | 6 m ³ |
| Aggregate Weighing Conveyor | 1.200 x 6.500 mm - 2 units |
| Aggregate Transfer Conveyor | 1.200 x 34.000 mm |
| Aggregate Stand-by Hopper | 6 m ³ |
| Mixer Wet Concrete Volume | 4 m ³ |
| Cement Weighing Hopper | 2.400 kg |
| Water Weighing Hopper | 1.200 lt |
| Additive Weighing Hopper | 100 lt |
| Air Compressor | 1000 lt, 11 kW |
| Cement Silo | Optional from 100 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |



STATIONARY 160 LAYOUT



STATIONARY 160





COMPACT CONCRETE PLANTS

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COMPACT 30 COMPACT 60 COMPACT 100 CONSTMACH compact concrete batching plants are specially designed models which can be transported within only 1 unit tractor - trailer or 40 ft OT and preferred container especially in cases of the area to be installed has too limited dimensions. Compact concrete plants are also called as containerized type concrete plants. Production capacity of our compact concrete plants changes between 20 to 100 m³/h. Thanks to its easy portability and rapidly installable design and necessity of infrastructure minimum investment, CONSTMACH compact concrete batching plants offer economic advantages to its users. CONSTMACH compact concrete designed plants are and manufactured in accordance with CE standards.

To transfer the aggregates from aggregate hopper to mixer by a skip hoist system instead of a belt conveyor is the main factor that minimizes the sizes of application area. In addition, sizes of aggregates hopper and other elements are also more compact in comparison with stationary type concrete plants. CONSTMACH compact concrete batching plants require minimum site preparation. Just a flat concrete that is capable to carry the total load of the plant is enough. Cement silos that are supplied with the plant have full steel legs to remove the necessity of concrete legs building by the client. Thanks to the metal walls that are present at both sides of the plant, aggregates filling ramp can be without prepared easily constructing a concrete wall. Twin shaft (double shaft) Single shaft, pan and planetary type mixers can be used in our compact concrete plants so that they could be used for different purposes such as ready mixed concrete, dry mixed concrete, precast concrete production etc.

CONSTMACH compact type concrete batching plants are equipped with high technology control and automation systems including the first class SIEMENS & SCHNEIDER brand electronic and electric parts and PLC modulus. The plant is controlled with an advanced software that has sophisticated features and user friendly interface.



COMPACT 30 30 m³/ h compact type concrete plant

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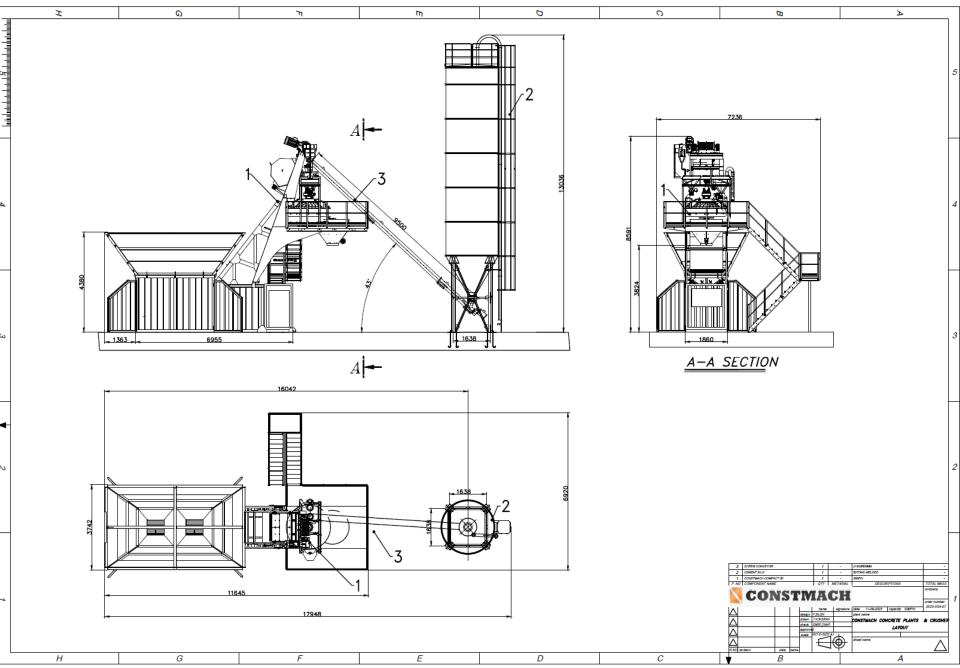
MAIN VALUES OF COMPACT 30

| Production Capacity | 30 m ³ /h |
|-----------------------------|--------------------------------|
| Sizes in Transport Position | 12 (L) x 2.2 (W) x 2.2 (H) m |
| Weight | 13 tons |
| Total Motor Power | 50 kW |
| Required Electric Generator | 80 kVA |
| Mixer Options | Pan - Single Shaft - Planetary |
| Required area to operate | 200 m ² |

TECHNICAL SPECIFICATIONS OF COMPACT 30

| Aggregate Hopper Volume | 4 x 6 m ³ |
|--------------------------------------|--|
| Aggregate Weighing Hopper | 1.500 kg |
| Aggregate Weighing Conveyor | 600 x 4.000 mm |
| Skip Hoist Bucket Volume | 0.75 m ³ |
| Mixer Wet Concrete Volume | 0.5 m ³ |
| Cement Weighing Hopper | 300 kg |
| Water Weighing Hop <mark>p</mark> er | 200 lt |
| Additive Weighing Hopper | 20 lt |
| Air Compressor | 300 lt, 4 kW |
| Cement Silo | Optional from 50 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

COMPACT 30 LAYOUT



COMPACT 30



COMPACT 60 60 m³/h compact type concrete plant

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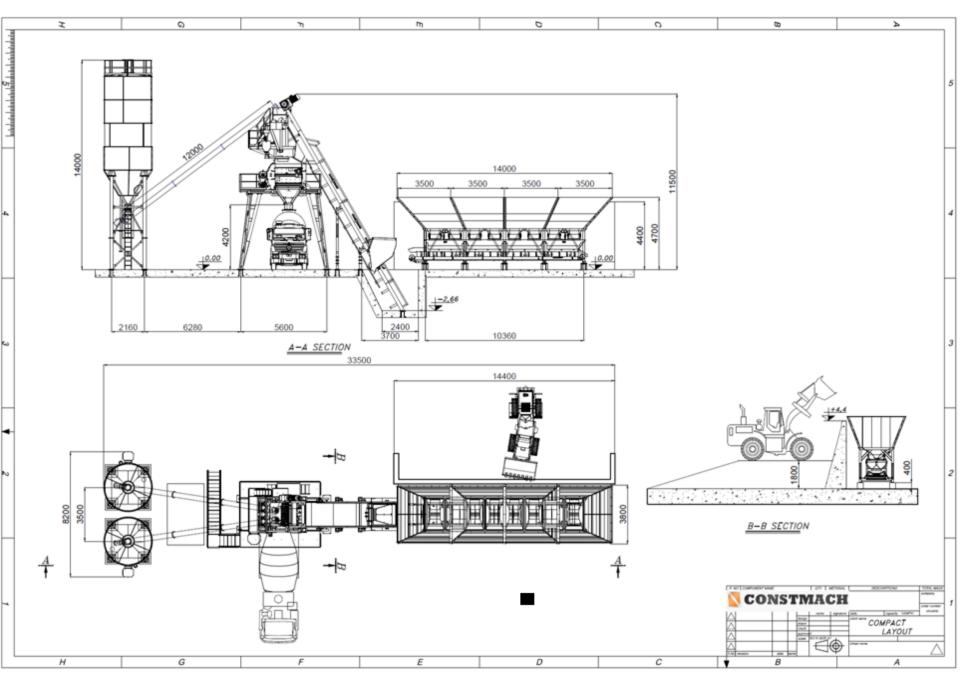
MAIN VALUES OF COMPACT 60

| 60 m ³ /h | 1 |
|---|---|
| 13 (L) x 2.3 (W) x 2.3 (H) m (in case of square shape hopper) | X |
| 28 tons | K |
| 105 kW | 1 |
| 125 kVA | TÉ |
| Pan - Single Shaft - Twin Shaft - Planetary | |
| 300 m ² | 1712714 |
| | 13 (L) x 2.3 (W) x 2.3 (H) m (in case of square shape hopper)28 tons105 kW125 kVAPan - Single Shaft - Twin Shaft - Planetary |

TECHNICAL SPECIFICATIONS OF COMPACT 60

| Aggregate Hopper Volume | 4 x 15 m ³ |
|-----------------------------|--|
| Aggregate Weighing Hopper | 1.5 m ³ |
| Aggregate Weighing Conveyor | 800 x 11.100 mm |
| Skip Hoist Bucket Volume | 1.5 m ³ |
| Mixer Wet Concrete Volume | 1 m ³ |
| Cement Weighing Hopper | 600 kg |
| Water Weighing Hopper | 300 lt |
| Additive Weighing Hopper | 20 lt |
| Air Compressor | 500 lt, 5.5 kW |
| Cement Silo | Optional from 50 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

COMPACT 60 LAYOUT





COMPACT 100 100 m³/ h compact type concrete plant

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MAIN VALUES OF COMPACT 100

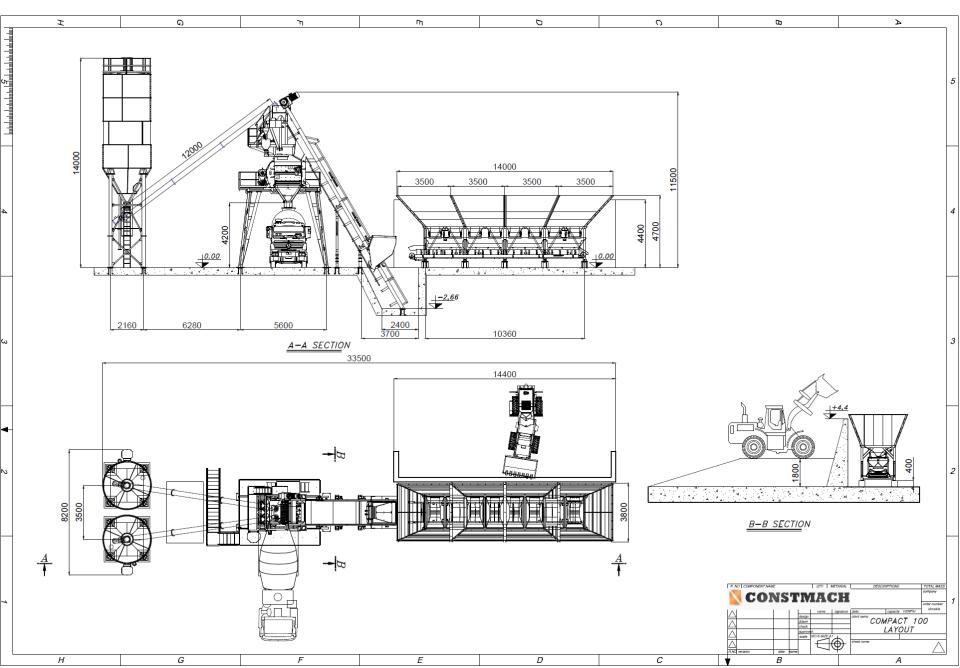
| Production Capacity | 100 m ³ /h |
|-----------------------------|---|
| Weight | 32 tons |
| Total Motor Power | 175 kW |
| Required Electric Generator | 250 kVA |
| Mixer Options | Pan - Single Shaft - Twin Shaft - Planetary |
| Required area to operate | 300 m ² |

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TECHNICAL SPECIFICATIONS OF COMPACT 100

| Aggregate Hopper Volume | 4 x 20 m ³ |
|---------------------------------------|--|
| Aggregate Weighing Hopper | 3 m ³ |
| Aggregate Weighing Conveyor | 1.000 x 11.100 mm |
| Skip Hoist Bucket Volume | 3 m ³ |
| Mixer Wet Concrete Volume | 2 m ³ |
| Cement We <mark>ighi</mark> ng Hopper | 1.200 kg |
| Water Wei <mark>gh</mark> ing Hopper | 600 lt |
| Additive Weighing Hopper | 50 lt |
| Air Compressor | 500 lt, 5.5 kW |
| Cement Silo | Optional from 50 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

COMPACT 100 LAYOUT





DRY TYPE CONCRETE PLANTS

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CONSTMACH Dry Type Concrete Batching Plants do not include a mixer. These models of concrete plants are preferred especially if the distance between the concrete plant and application area is too far. Ingredients of the concrete are transferred directly to the truck mixer after weighing without mixing process. Production capacity of our dry type concrete plants vary between 60 m³/h and 120 m³/h.

DRYMIX 60 DRYMIX 100

DRY MIX 60 60 m³/h capacity stationary concrere plant

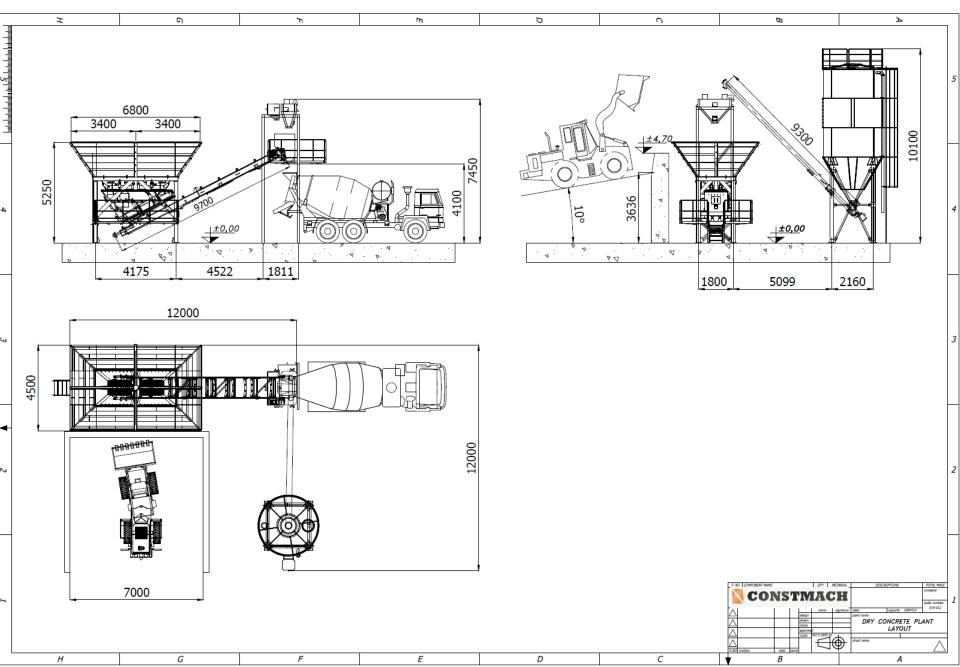
MAIN VALUES OF DRY MIX 60

| Production Capacity | 60 m ³ /h | |
|-----------------------------|----------------------|---|
| Weight | 27 tons | |
| Total Motor Power | 55 kW | Comparison of the second se |
| Required Electric Generator | 80 kVA | |
| Required area to operate | 200 m ² | |

TECHNICAL SPECIFICATIONS OF DRY MIX 60

| Aggregate Hopper Volume | 4 x 15 m ³ |
|---|--|
| Aggregate Weighing Hopper | 1.5 m ³ |
| Aggregate Weighing and Transfer Conveyor | 650 x 9.700 mm |
| Cement Weighing Hopper | 1.200 kg |
| Water Weighing Hopper | 600 lt |
| Additive Weighing Hopper — | 30 lt |
| Air Compressor | 300 lt, 4 kW |
| Cement Silo | Optional from 50 to 500 tons capacity. |
| Control Type | FULL AUTOMATIC |

DRY MIX 60 LAYOUT





DRY MIX 100 100 m³/h dry type concrete plant



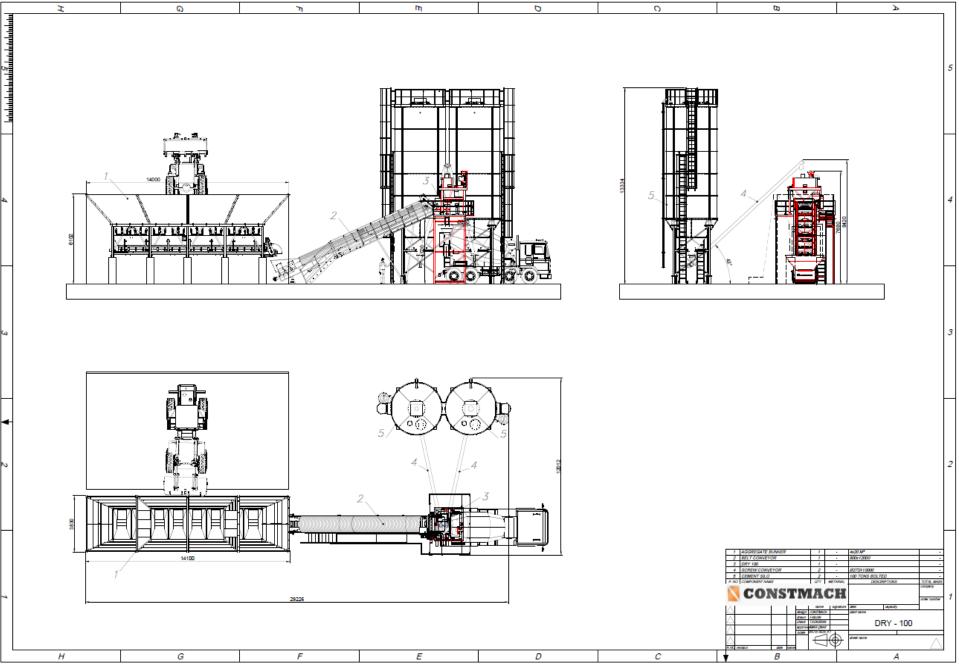
MAIN VALUES OF DRY MIX 100

| | | 1 out |
|-----------------------------|-----------------------|-------|
| Production Capacity | 100 m ³ /h | |
| Weight | 33 tons | |
| Total Motor Power | 70 kW | |
| Required Electric Generator | 150 kVA | |
| Required area to operate | 700 m ² | |

TECHNICAL SPECIFICATIONS OF DRY MIX 100

| Aggregate Hopper Volume | 4 x 20 m ³ | | |
|-----------------------------|--|--|--|
| Aggregate Weighing Hopper | 3 m ³ | | |
| Aggregate Weighing Conveyor | 1000 x 11.100 mm | | |
| Aggregate Transfer Conveyor | 1000 x 12.000 mm | | |
| Cement Weighing Hopper | 1.200 kg | | |
| Water Weighing Hopper | 600 lt | | |
| Additive Weighing Hopper | 50 lt | | |
| Air Compressor | 500 lt, 5.5 kW | | |
| Cement Silo | Optional from 50 to 500 tons capacity. | | |
| Control Type | FULL AUTOMATIC | | |

DRY MIX 100 LAYOUT





CONCRETE MIXERS

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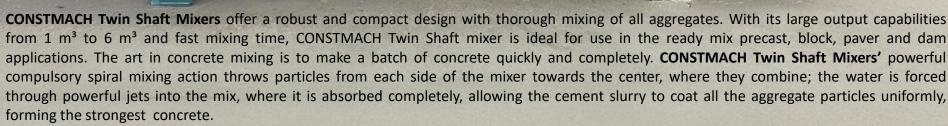
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TWIN SHAFT MIXERS SINGLE SHAFT MIXERS PAN MIXERS PLANETARY MIXERS

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TWN SHAFT MIXERS



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Heavy duty double gearboxes conveys the movement from heavy duty electric motors to the shafts of the mixer. Thanks to the automatic lubrication system, bearings of the mixer shaft is always lubricated as long as the mixer is operated regularly. As all our other mixer types, our twin shaft mixers are also equipped with emergency stop button, access hatch and SKF/FAG brand heavy duty type bearings.

TWIN SHAFT MIXERS

NI-HARD ARMS & BLADES & HARDOX 450 LINERS

HYDRAULIC PACKAGE WITH MANUAL OPENING

CONSTMAC













HYDRAULIC DISCHARGING













AUTOMATIC LUBRICATION



TWIN SHAFT MIXERS

TECHNICAL SPECIFICATIONS

| MODEL OF MIXER | CTS 1 | CTS 2 | CTS 3 | CTS 4 | CTS 5 |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|
| Charging Volume | 1.500 lt | 3.000 lt | 4.500 lt | 6.000 lt | 7.500 lt |
| Fresh Concrete Volume | 1.250 lt | 2.500 lt | 3.750 lt | 5.000 lt | 6.250 lt |
| Compacted Concrete Volume | 1.000 lt | 2.000 lt | 3.000 lt | 4.000 lt | 5.000 lt |
| Motor Power | 37 kW | 2 x 37 kW | 2 x 55 kW | 2 x 75 kW | 2 x 90kW |
| Side Body Wearing Plates | 15 mm HARDOX | 15 mm HARDOX | 20 mm HARDOX | 25 mm Ni Hard | 25 mm Ni Hard |
| Main Body Wearing Plates | 15 mm Ni Hard | 20 mm Ni Hard | 20 mm Ni Hard | 25 mm Ni Hard | 30mm Ni Hard |
| Mixing Arm Wearing Plates | 25 mm Ni-Hard | 30 mm Ni-Hard | 30 mm Ni-Hard | 30 mm Ni-Hard | 30 mm Ni-Hard |
| Automatic Lubrication System | | | AVAILABLE | per l'ar | 19/1 |
| Hydralulic Discharge Door | | | AVAILABLE | In | 170 |
| Maintenance Door Safety Switch | | | AVAILABLE | FA | Self. |





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CONSTMACH Single Shaft Mixers are optimum solution for all types of concrete, especially general concrete production purpose. Easy maintenance and replacable liners, long lived Ni-Hard mixing elements promise users problem-free performance. Presence of double motor in 2 m³ models enables to proceed to production even in case of a problem with one of the motors. Robust pulleychain mechanism conveys the movement from heavy duty electric motor & gearbox to the main shaft of the mixer. Thanks to the automatic lubrication system, bearings of the mixer shaft is always lubricated as long as the mixer is operated regularly. As all our other mixer types/our single shaft mixers are also equipped with emergency stop button, access hatch and SKF/FAG brand heavy duty type bearings.





TOP CLASS BEARINGS





ACCESS HATCH



EMERGENCY STOP BUTTON

LEAKPROOF SEALANT



SINGLE SHAFT MIXERS

NI-HARD ARMS & BLADES & HARDOX 450 LINERS





HYDRAULIC DISCHARGING WITH DOUBLE CYLINDERS





SINGLE SHAFT MIXERS TECHNICAL SPECIFICATIONS

| MODEL OF MIXER | CSS 0.5 | CSS 1 | CSS 2 | |
|--------------------------------|-------------------------------------|------------------|------------------|--|
| Charging Volume | 750 lt | 1.500 lt | 3.000 lt | |
| Fresh Concrete Volume | 625 lt | 1.250 lt | 2.500 lt | |
| Compacted Concrete Volume | 500 lt 1.000 lt | | 2.000 lt | |
| Motor Power | 18.5 kW 37 kW | | 2 x 37 kW | |
| Side Body Wearing Plates | 10 mm HARDOX 450 | 15 mm HARDOX 450 | 15 mm HARDOX 450 | |
| Main Body Wearing Plates | 15 mm Ni Hard 15 mm Ni Hard 20 m | | 20 mm Ni Hard | |
| Mixing Arm Wearing Plates | 25 mm Ni-Hard 25 mm Ni-Hard 30 mm N | | 30 mm Ni-Hard | |
| Automatic Lubrication System | Real A | AVAILABLE | | |
| Discharge Door | | HYDRAULIC | | |
| Maintenance Door Safety Switch | | AVAILABLE | | |

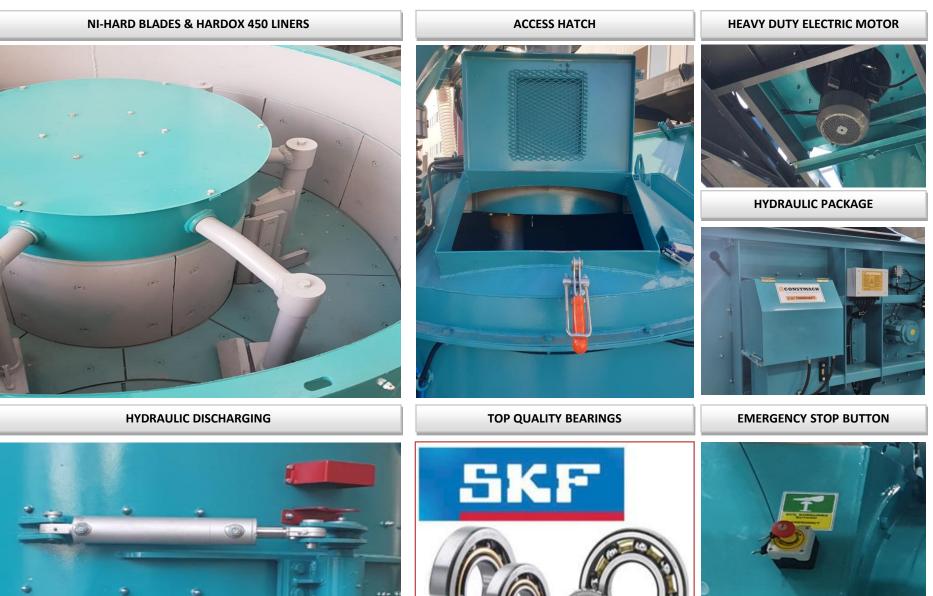


PAN MIXERS



CONSTMACH Pan mixers are preferred especially in our low capacity plants and the biggest advantage of our pan mixers is easy maintenance and simple structure. Springs inside the central arm fixation table protect the arms from breakage in case of having strong or big aggregates inside the mixer. Thanks to hi-quality NiHard4 Mixing arms and scrapers, operation cost of the mixer is minimized and the mixer can be used for a long period without needing to replace the mixing elements. As all our other mixer types, our pan mixers are also equipped with emergency stop button, access hatch and SKF/FAG brand heavy duty type bearings.

PAN MIXERS



PAN MIXERS

| MODEL OF MIXER | СРМ 0.5 | CPM 1 | CPM 2 | |
|-----------------------------------|------------------|------------------|------------------|--|
| Charging Volume | 750 lt | 1.500 lt | 3.000 lt | |
| Fresh Concrete Volume | 625 lt | 1.250 lt | 2.500 lt | |
| Compacted Concrete Volume | 500 lt | 1.000 lt | 2.000 lt | |
| Motor Power | 22 kW | 37 kW | 55 kW | |
| Side Wearing Plates | 10 mm HARDOX 450 | 10 mm HARDOX 450 | 12 mm HARDOX 450 | |
| Bottom Wearing Plates | 10 mm ST52 | 10 mm ST52 | 12 mm ST52 | |
| Mixing Scrapers | 25 mm Ni-Hard | 25 mm Ni-Hard | 25 mm Ni-Hard | |
| Discharge Door | | HYDRAULIC | | |
| Maintenance Door Safety Switch | AVAILABLE | | | |





CONSTMACH high speed Planetary concrete mixer is the best in its class. From its beginnings as an uncompromising basic design it has been continuously refined over many years, so that today's product contains the little touches that you expect. **The planetary (or countercurrent)** design has one or two mixing stars that rotate themselves while also rotating around a central point, allowing each arm to cover the whole mixer floor in a number of revolutions. This powerful mixing action is both fast and thorough, results in a mixing time, after water is added, of 30 seconds or less for most types of concrete. The result is greater throughput, providing more concrete per hour for the same size plant, as well as better consistency and greater strength or, on the other hand, a saving on cement. Constmach's planetary design is superior to turbine and twinshaft designs for production of all types of dry-cast concrete. The reason for this is its intense mixing action, which breaks up zero-slump mix quickly.

PLANETARY MIXERS

NI-HARD BLADES & HARDOX 450 LINERS





HYDRAULIC DISCHARGING

TOP QUALITY BEARINGS

ACCESS HATCH







HEAVY DUTY ELECTRIC & MOTOR AND GEARBOX

PLANETARY MIXERS TECHNICAL SPECIFICATIONS

| MODEL OF MIXER | CPLN 0.5 | CPLN 0.75 | CPLN 1 | CPLN 1.5 | CPLN 2 |
|-----------------------------------|---------------------|---------------------|---------------------|------------------------|---------------------|
| Charging Volume | 750 lt | 1.000lt | 1.500 lt | 2.250 lt | 3.000 lt |
| Fresh Concrete Volume | 625 lt | 875 lt | 1.250 lt | 2.000 lt | 2.500 lt |
| Compacted Concrete Volume | 500 lt | 750 lt | 1.000 lt | 1.500 lt | 2.000 lt |
| Motor Power | 22 kW | 30 kW | 55 kW | 2 x <mark>30</mark> kW | 2 x 55 kW |
| Side Wearing Plates | 10 mm HARDOX 450 | 10 mm HARDOX 450 | 10 mm HARDOX 450 | 10 mm HARDOX 450 | 12 mm HARDOX 450 |
| Bottom Wearing Plates | 10 mm ST52 | 10 mm ST52 | 10 mm ST52 | 10 mm ST52 | 12 mm ST52 |
| Mixing Scrapers | 25 mm Ni- Hard | 25 mm Ni- Hard | 25 mm Ni- Hard | 25 mm Ni- Hard | 25 mm Ni- Hard |
| Discharge Door | | | HYDRAULIC | | |
| Maintenance Door Safety Switch | | | AVAILABLE | 10 | |

PLANETARY MIXERS

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AGGREGATE PRE-FEEDING CONVEYOR

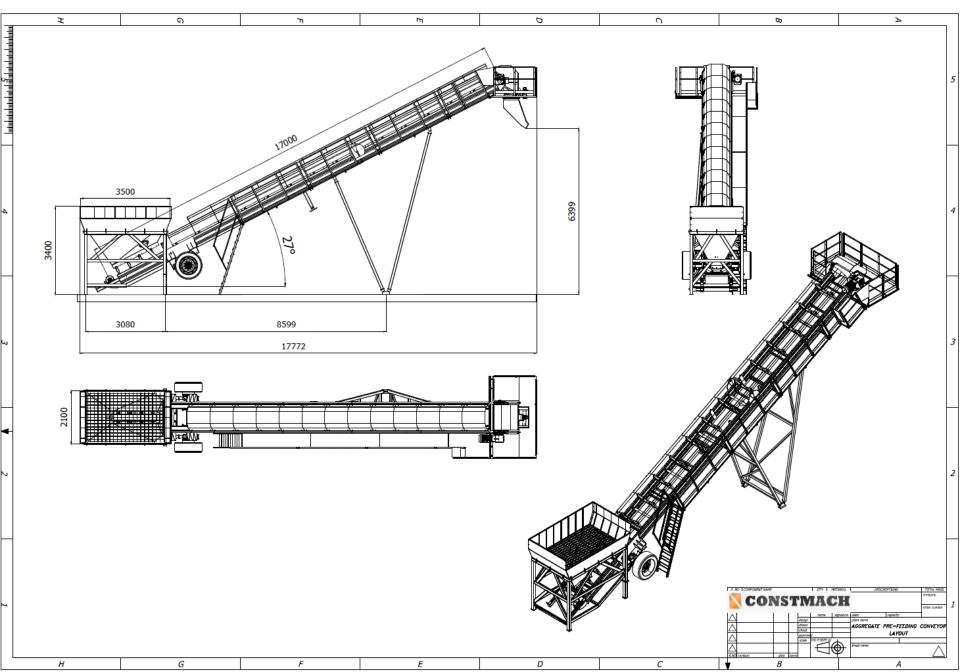


AGGREGATE PRE-FEEDING CONVEYOR

Aggregate pre-feeding systems are our alternative solutions to the loading ramps which are necessary for charging the hoppers by loaders. In case of using of aggregate prefeeding conveyors in our concrete batching plants, loading ramp construction for loaders does not require. Thus the jobsite infrastructure investment and also oil consumption for loaders are minimized. Our pre-feeding systems can be used in all types of our concrete plants. Our aggregate prefeeding systems are classified as mobile and stationary types. Mobile systems can be moved by only a vehicle just like our mobile concrete plants. CONSTMACH aggregate prefeeding systems are equipped with remote controller and also CCTV system which is integrated to the control system of concrete plant so that the system can be controlled and operated by concrete plant operator easily.



AGGREGATE PRE-FEEDING CONVEYOR LAYOUT







CONSTMACH manufactures different sizes and types of cement storage silos from 50 to 3.000 tons storage capacity. Cement silos are used not only in concrete plants but also they are used as an independent purposes such as cement terminals, cement factories and limestone powder stocking projects.

CONSTMACH is the most experienced **Turkish company that manufactures** high volume of **cement silos** such as 500, 1000, 2000 and 3.000 tons very frequently.

In addition to our common designs, our company designs and manufactures also customized cement silos with special sizes of diameter and height.

It is possible to produce cement silos up to 100 tons capacity as both welded and bolted. **Cement silos** whose capacity is more than 100 tons are manufactured as bolted type most of the time. To manufacture the **silos as bolted** brings advantage of space saving during transportation. All components of bolted type cement silos are made by sensitive CNC laser cutting technology and the shape is given to bended parts by using bending molds. There is almost zero tolerance on the sensitivity of the matching holes.

All our cement silos are equipped with maintenance platform between the legs, cement filling pipe, inner and outer manholes, safety guards, roof flanges for air filter and pressure safety valve, a roof gate for inner manhole and also a cone flange for butterfly valve.

Most of the time, as per our clients' needs, we deliver our silos together with all other necessary cement silo equipment such as cement screw conveyor with the desired diameter & length, air dust filter, pressure safety valve, top & bottom level indicators, air fluidization nozzles, pulse valve and cone butterfly manual valve for cement discharging. In case of using the silo for cement terminal or similar application, the screw conveyor can be connected to a loading below to charge the cement to cement trucks.



MOBILE & HORIZONTAL CEMENT SILO

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CONSTMACH Mobile & Horizontal type cement sile is a great solution to make the concrete plants fully mobile and minimize the site preparation & installation costs.

Horizontal type silo body is equipped with vibrators, pneumatic elements and air nozzles to ensure proper cement flow. Thanks to V type horizontal screw conveyor that exists under the silo, cement transfer is realized.

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Silo body is installed on a trailer with double axles and wheels to ensure mobility.

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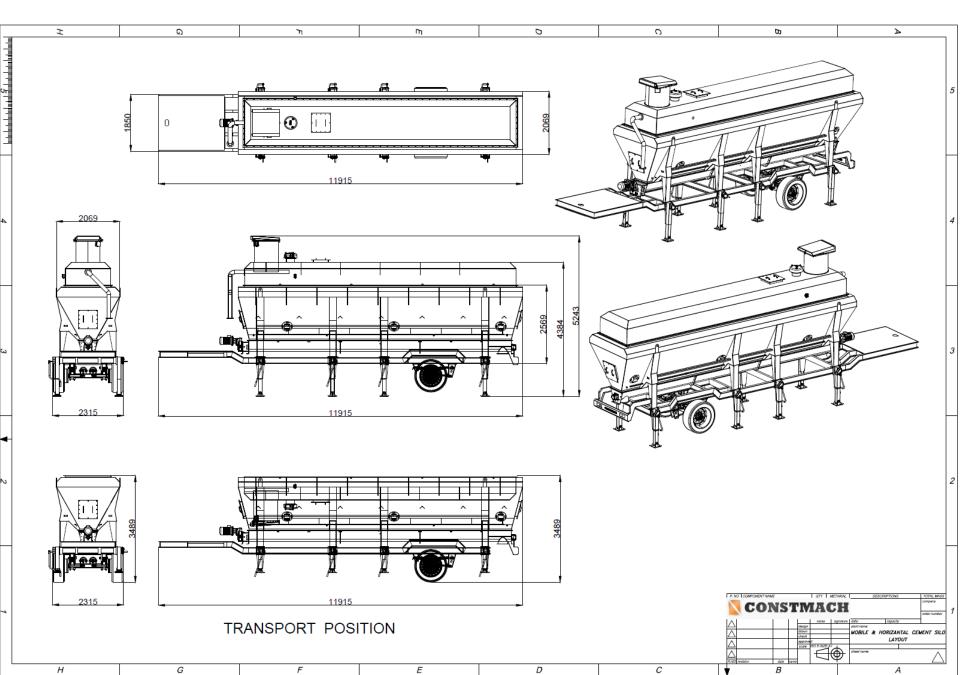
Silo top filter and safety valve installed on the silo roof like in classical vertical type silos.

MOBILE & HORIZONTAL CEMENT SILO

TECHNICAL SPECIFICATIONS

| SILO CAPACITY | 39 tons, 30 m ³ (cement density as 1,3 ton/m ³) |
|---|--|
| SILO WEIGHT | 7.460 kg |
| SILO BODY MATERIAL | ST -37, 5 mm SHEET METAL |
| TOP COVER MATERIAL OF SILO | ST -37, 4 mm SHEET METAL |
| CHARGING PIPE | 4" STEEL PIPE |
| CHASSIS MATERIAL | NPU 180 mm |
| Silo is equipped with 6 pcs 0.37 kW v pneumatic installation elements Maintenance door is present on both | ibrators, V-type screw conveyor, fluidization nozzles and |
| Double axles & 4 tyres are present on | |
| | |

MOBILE & HORIZONTAL CEMENT SILO LAYOUT





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AUTOMATION SYSTEMS

CONSTMACH Concrete Batching plants are fully automated and the system is controlled by a PC. The system is equipped with Siemens / Schneider brand electrical installation devices and sensors. Remote stations with distributed I/O stations are also part of the plant automation. The system which includes a PC, printer, UPS and the software enables the operator to perform all command and control functions, take reports, detect failures etc. on the PC screen with animation support. Advanced PLC programs and error control algorithms enable high sensitivity in weighing and dosage control even at maximum capacity. Remote servicing and maintenance is possible via internet.

AUTOMATION SYSTEM

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REFERENCES

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MOBILE 100 / CONCRETE BATCHING PLANT

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DOUBLEMIX 100 / CONCRETE BATCHING PLANT

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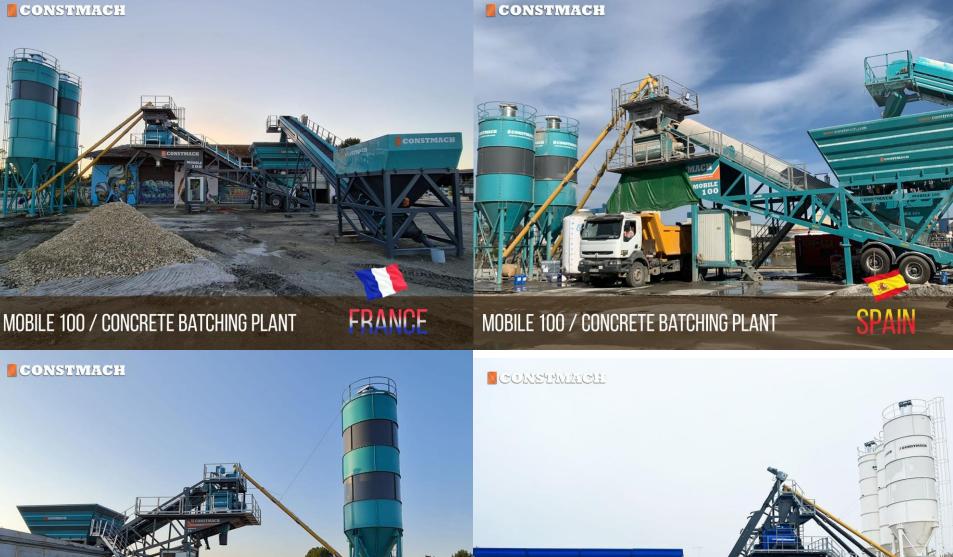
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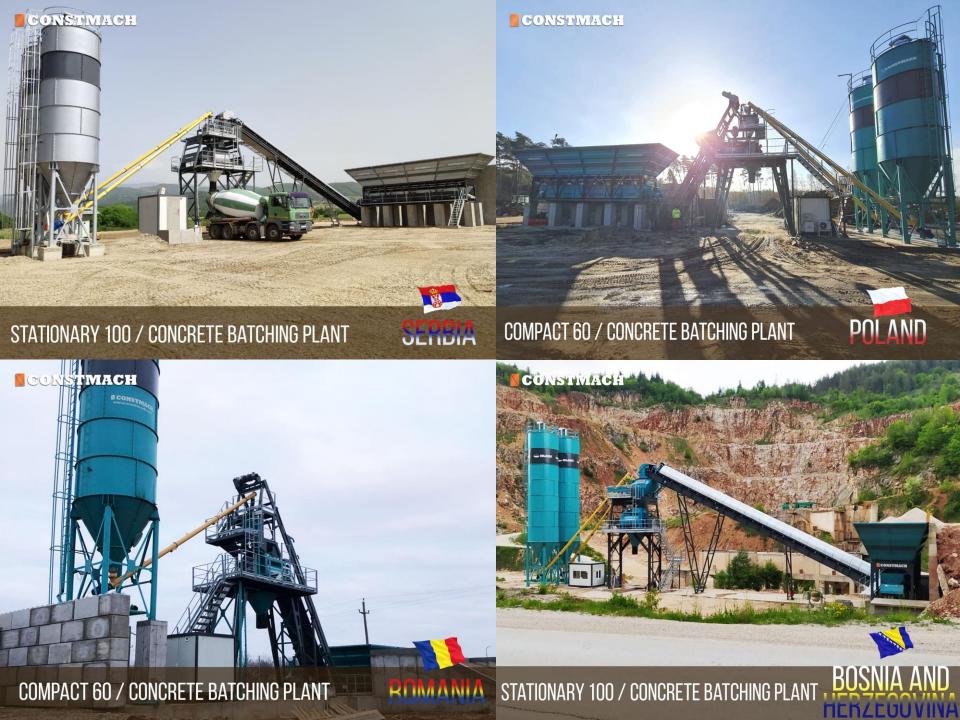






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MOBICOM 30 / CONCRETE BATCHING PLANT





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MOBICOM 30 / CONCRETE BATCHING PLANT



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