

SEMIX MINI MOBILE 30

MOBILE CONCRETE BATCHING PLANTS



SMX-M-2411041519-5

PROPOSAL

BAUNOVO

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Delivery

12-14 Weeks

Validity Of Offer

19-11-2024

Terms Of Payment

%50 Advance, %50 Before Shipment



SEMIX MINIMOBILE 30 CONCRETE BATCHING PLANT

DESCRIPTION	AMOUNT	UNIT PRICE	TOTAL PRICE
1) SEMIX MINIMOBILE 30 CONCRETE BATCHING PLANT	1	€87,500.00	€87,500.00
1.1) MINI MOBILE 30 CONCRETE BATCHING PLANT'S TOTAL CAPACITY: 30 M ³ /H	1	-	-
1.2) AGGREGATE BIN CAPACITY: 3 X 3 = 9 M ³ SQUARE TYPE BIN	1	-	-
1.3) AGGREGATE WEIGHING SYSTEM: WEIGHING HOPPER	1	-	-
1.4) AGGREGATE TRANSFER MECHANISM: CONVEYOR BELT	1	-	-
1.5) MIXER TYPE & CAPACITY: 750/500 (0.5 M ³) SEMIX PLANETARY MIXER	1	-	-
1.6) MIXER MOTOR POWER: 22 KW	1	-	-
1.7) CEMENT WEIGHING HOPPER: 300 KG	1	-	-
1.8) WATER WEIGHING HOPPER: 200 KG	1	-	-
1.9) ADDITIVE WEIGHING HOPPER: 10 KG	1	-	-
1.10) ADDITIVE PUMPS: 1	1	-	-
1.11) COMPRESSOR: 300 LT/MIN	1	-	-
1.12) AUTOMATION SYSTEM: SCHNEIDER (TOUCH PANEL & PLC)	1	-	-
1.13) 36 M ³ HORIZONTAL CEMENT SILO	1	\$32,500.00	\$32,500.00
1.14) CEMENT SILO EQUIPMENTS	1	-	-
1.15) SILO ACCESSORIES	1	-	-
1.16) SCREW CONVEYOR Ø193 X 6000 MM	1	-	-
1.17) ADDITIONAL DISCHARGE CONVEYOR (800X14000 MM)	1	\$24,000.00	\$24,000.00
		Subtotal:	€144,000.00
		Discount For Conveyor Belt:	-€5,000.00
		Total:	€139,000.00
TRANSPORTATION			
		Mini Mobile 30 - (EXW Turkey)	€0.00
		General Total:	€139,000.00



Overview of the Mini Mobile Concrete Batching Plant

Model : Mini Mobile 30 Concrete Batching Plant

Theoretical Production Capacity : 30 m³/h (30 seconds of mixing, C20 type of Concrete)*

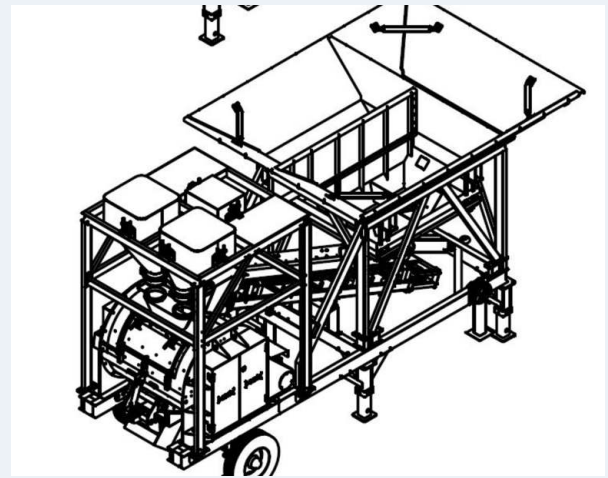
Aggregate Storage Bins : 3 bins total 9 m³ storage capacity

Mixer Capacity : 0.5 m³ compacted Concrete per batch

Total Electrical Power: 70 kW , 60 Hz Frequency

Plug&Play

SEMIX Mini Mobile Concrete Batching Plants can be assembled in 1 hour both mechanically and electrically. With a one standard towing vehicle, it can be relocated for its' new job site and mix the concrete. All the necessary equipment for the installation is located on the mini mobile batching plant's chassis hence it will prevent the user from the extra costs for the installation.





Technical Details

Compacted Concrete Per Batch: **0.5 m³**

Dry Volume: **0.75 m³**

Motor Power: **22 kW**

Maximum Grain Size : **50-65 mm**

Mixing Blades & Wearing Plates

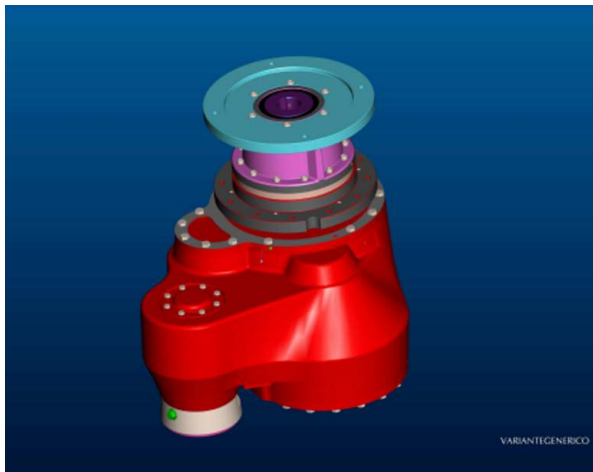
Mixing Blade : Ni-Hard 4 (**Chrome, Nickel special alloy cast iron**)

Stripping Blade : Ni-Hard 4 (**Chrome, Nickel special alloy cast iron**)

Internal Wearing : **HARDOX 450**

Ni-Hard 4 : The blades in all of the **SEMIX Concrete Mixers** are made of Ni-Hard 4 alloys, which results in extremely tough and durable blades.

NiHard4 is a white cast iron product with nickel and chromium alloying, to give a hard chromium carbide in a martensitic matrix. This sturdy and durable structure can withstand high levels of abrasion and impacts.



9PLPC03 Cobra (Italy) Gearbox

Number of rotating stars: **1**

Number of blades for each star: **3**

Star diameter: **940 ÷ 1240**

Weight of the gearbox: **410 kg**

Weighing Hoppers

Cement Weighing Capacity: 300 kgs

Cement Weighing Load-cells: 3 units

Water Weighing Capacity: 200 kgs

Water Weighing Load-cells: 2 units

Additive Weighing Capacity: 20 lt

Additive Weighing Load-cells: 1 unit



Weighing Hopper Equipments

Cement Discharge Valve: Ø 150 mm Butterfly Type - **WAM (Italy)**

Cement Hopper Vibrator: 1 unit - **OLI (Italy)**

Water Discharge Valve: Ø 100 Butterfly Type mm - **WAM (Italy)**

Additive Discharge Valve: 1 Unit - 1 ½" ball valve with actuator

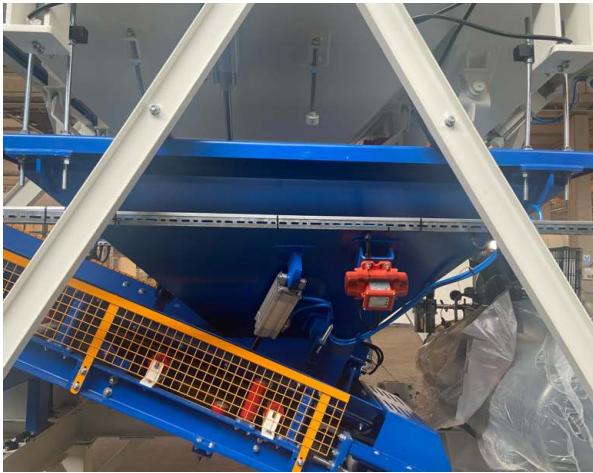
Additive Pumps: 3 Units

Aggregate Storage Hoppers

Aggregate Bins Capacity&Quantity: **9 m³ – 3 m³** capacity each one
Bunker Discharging Gate(s): 1 Gate in each bin – Totally 3 Discharging Gates

Pneumatic Piston Brand & Capacity: DSBC 80-250 Piston 3 Units – **Festo (Germany)**

Pneumatic Valve : 3 Units – **Festo (Germany)**



Aggregate Weighing Hopper

Aggregate Volume: **0.7 m³**

Load Cells: 4 x 500 kgs

Vibrator: 1 unit, **WAM-OLI (Italy)**

Discharge Pistons: **2 Units, FESTO (Germany)**

Aggregate Transfer Conveyor

Belt Quality : EP 125 / 4 coats

Motor Power : 3 kW

Bearings : Lubrication Grease Nipple over SNH series

Emergency Stop Button : 1 Unit

Pull-rope Switch : 1 Unit



TOUCHSCREEN CONTROL PANEL



Grid Blasting Before Painting



All components of the SEMIX's concrete batching plants are treated with Grit Blasting process in SEMIX's certified grit blasting facility before the painting with steel balls. This method provides high surface finish quality after the painting.



Portability

Horizontal silos are an ideal storage solution for cement and other bulk materials. They are easily transportable and can be placed in a variety of locations. Unlike vertical silos, horizontal silos are portable and can be moved from one location to another. Horizontal silos are often used in construction sites where space is limited.

Silo Equipments & Accessories

In SEMIX Horizontal Cement Silos, **WAM** products are being used in Screw Conveyors, Silo Top Filters, Air Jets, Vibrators, Pressure Sensors and Level Sensors.



EQUIPMENTS

1. PRESSURE RELIEF VALVE: **WAM**
2. BUTTERFLY VALVE: **WAM**
3. PNEUMATIC ACTUATOR: **WAM**
4. MICRO SWITCH: **WAM**
5. LEVEL INDICATOR: **WAM**
6. SILO TOP FILTER: **WAM**
7. SAFETY VALVE: **WAM**
8. AIR JETS: **WAM**
9. FLAP: **WAM**

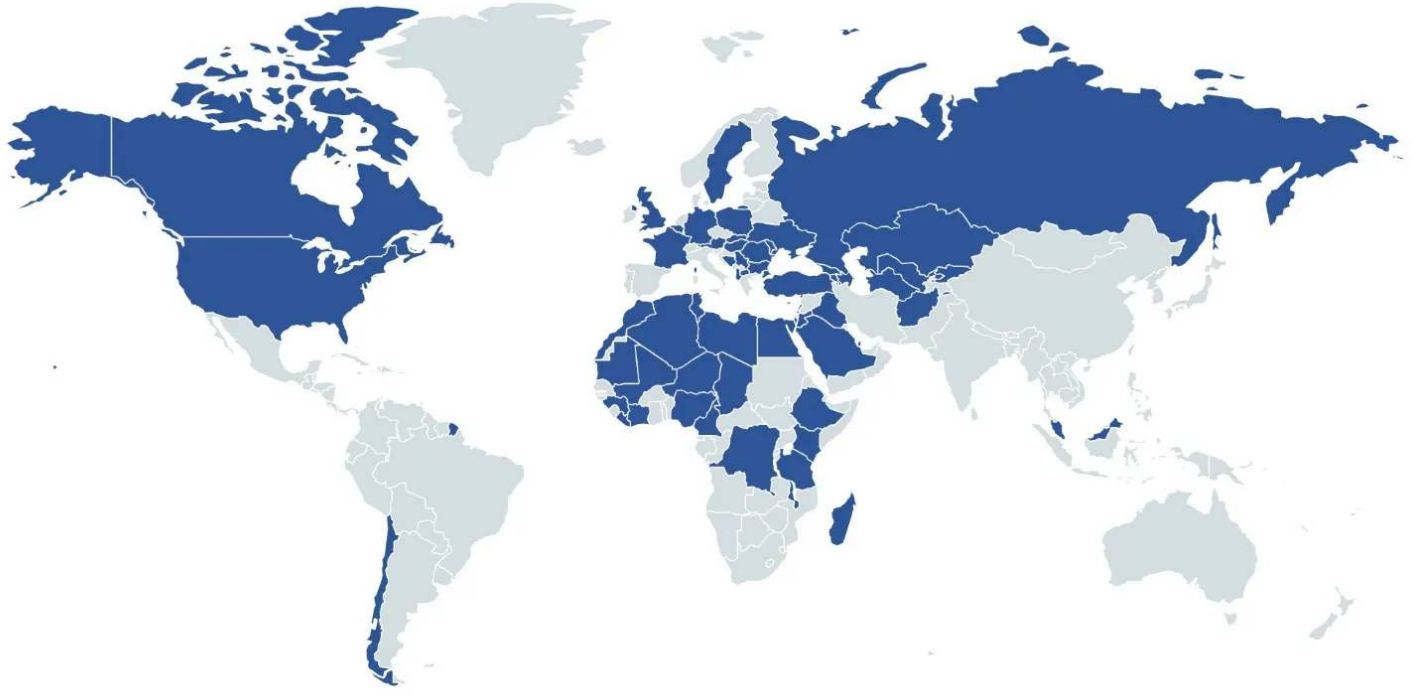


SCREW CONVEYORS

1 Units of **WAM** Screw Conveyors (Ø193/6000 mm) will be assembled for discharging the cement.



References



HEIDELBERG
CEMENT

STRABAG

LAFARGE



HYUNDAI

ASTALDI

clinotech

Limak

kalyon

CENGİZ
İNŞAAT

KOLIN

KİPAŞ HOLDİNG

ONUR
TAHHİT TAHHİMLİK İNŞAAT TİC. VE SAN. A.Ş.

DANIŞ BETON
SİVA İNŞAAT SAN. TİC. A.Ş.

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