

SEMIX MOBILE 100V

MOBILE CONCRETE BATCHING PLANTS



SMX-E-2303180105-0

PROPOSAL

GLOBAL CONSTRUCTION SERVICES

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Delivery

4-5 Months

Validity Of Offer

02-04-2023

Terms Of Payment

%50 Advance, %50 Before Shipment



MOBILE 100 V (100-130 CUBIC YARD PER HOUR)

DESCRIPTION	AMOUNT	UNIT PRICE	TOTAL PRICE
1) MOBILE 100 V (100-130 CUBIC YARD PER HOUR)	1	€320,000.00	€320,000.00
1.1) MIXER TYPE & CAPACITY: 3330/4900 (3.3 YD ³) SEMIX SINGLE SHAFT MIXER	1	-	-
1.2) MIXER MOTOR POWER: 2 X 60 HP	1	-	-
1.3) AGGREGATE BIN CAPACITY: 4 X 15 = 60 M ³ SQUARE BINS	1	-	-
1.4) AGGREGATE TRANSFER MECHANISM: SEPERATE WEIGHING CONVEYOR	1	-	-
1.5) AGGREGATE WEIGHING SYSTEM: WEIGHING CONVEYOR BELT	1	-	-
1.6) CEMENT WEIGHING HOPPER	1	-	-
1.7) WATER WEIGHING HOPPER	1	-	-
1.8) ADDITIVE WEIGHING HOPPER: 20 LITRES	1	-	-
1.9) ADDITIVE PUMPS: 1-4	1	-	-
1.10) SOFTWARE: SEMIX (SQL BASED)	1	-	-
1.11) ELECTRICAL PANEL COMPONENTS: SCHNEIDER (INCLUDING PLC)	1	-	-
1.12) CONTROL CABINE: PRESENT	1	-	-
1.13) COMPRESSOR: PRESENT	1	-	-
1.14) HYDRAULIC ERECTING MECHANISM	1	-	-
1.15) TRANSPORTATION & INSTALLATION	1	-	-
1.16) PREFEEDING CONVEYOR TO FILL BINS (WILL BE TRANSPORTED SEPERATELY- INCLUDED TO THE PRICES)	1	\$58,000.00	\$58,000.00
		Subtotal:	€378,000.00
		Total:	€378,000.00
TRANSPORTATION			
		Mobile 60 V - (EXW Ankara)	€0.00
		General Total:	€378,000.00





SEMIX Mobile 100V is equipped with single shaft mixers. In SEMIX Concrete Mixers NiHard4 or Hardox 450 wearings are used according to the Concrete recipe's silicium ratio.

SEMIX Mobile 100V performs with a square-shaped aggregate storage hopper which can be fed with two ramps or with a prefeeding conveyor for aggregates.

All SEMIX Aggregate Storage hoppers are bent trapezoidal shape for having an extra strength. In the 100V model unlike the competitors, SEMIX is providing two separate conveyors for weighing & transferring the aggregate. Aggregates are weighed in the weighing conveyor which transfers aggregates to the transfer conveyor. Having two separate conveyors providing accuracy in weighing and performance for reaching higher Concrete outputs.

All SEMIX Concrete Batching Plants are being controlled by a SCADA system with a Schneider PLC integrated. Users can follow all used materials and integrate it their CRM system. SEMIX's engineering team can intervene in the Automation system online to provide service.



Resilient Body

SEMIX Mobile 100V is offering you the most robust steel form among all mobile concrete batching plants. The high-strength steel structure is flexible and can withstand the heaviest construction loads.

Smooth Transportation

SEMIX Mobile 100V can be relocated to any place with just one trailer. It can be installed both mechanically and electrically in 2 days. It can be installed anywhere anytime you want, so that it is easy to operate.

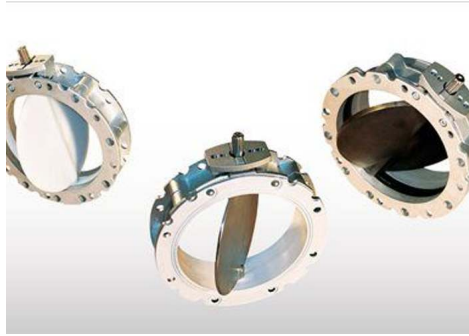


Product Gallery



Weighing Hoppers

Cement Weighing Capacity	: 3300 lbs
Cement Weighing Load-cells	: 3 units
Water Weighing Capacity	: 1500 lbs
Water Weighing Load-cells	: 2 units
Additive Weighing Capacity	: 6 gallons
Additive Weighing Load-cells	: 1 unit



Weighing Hopper Equipments

Cement Discharge Valve	: Ø 300 mm Butterfly Type - WAM (Italy)
Cement Hopper Vibrator	: 1 unit - OLI (Italy)
Water Discharge Valve	: Ø 200 Butterfly Type mm - WAM (Italy)
Additive Discharge Valve	: 1 Unit - 1 ½" ball valve with actuator

Aggregate Storage Bins

Aggregate Bins Capacity&Quantity	: 40-60 m ³ – 10-15 m ³ capacity each one – 4 bins (Square)
Bunker Discharging Gate(s)	: 1 Gates in each bin – Totally 4 Discharging Gates
Vibrator Brand & Capacity	: 2 Units WAM-OLI (Italy)
Pneumatic Piston Brand & Capacity	: DSBC 80-250 Piston 4 Units – Festo (Germany)
Pneumatic Valve	: 4 Units – Festo (Germany)



Weighing Conveyor



Belt Quality	:	EP 125 / 4 coats
Vibrator	:	2 Units - WAM-OLI (Italy)
Drums	:	10 mm Rubber Coated
Bearings	:	Lubrication Grease Nipple over SNH series
Scraper	:	V type with its weights -1 Unit
Emergency Stop Button	:	1 Unit
Pull-rope Switch	:	1 Unit

Aggregate Transfer Conveyor

Belt Quality	:	EP 125 / 4 coats
Drums	:	10 mm Rubber Coated
Bearings	:	Lubrication Grease Nipple over SNH series
Scraper	:	V type with its weights -1 Unit
Emergency Stop Button	:	1 Unit
Pull-rope Switch	:	1 Unit
Covering over the Belt	:	Semi-closed with steel sheet





Technical Details

Compacted Concrete Per Batch: **3.3 yd³**

Dry Volume: **4.9 yd³**

Motor Power: **2 x 60 HP**

Maximum Grain Size : **3.5 inch**

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.



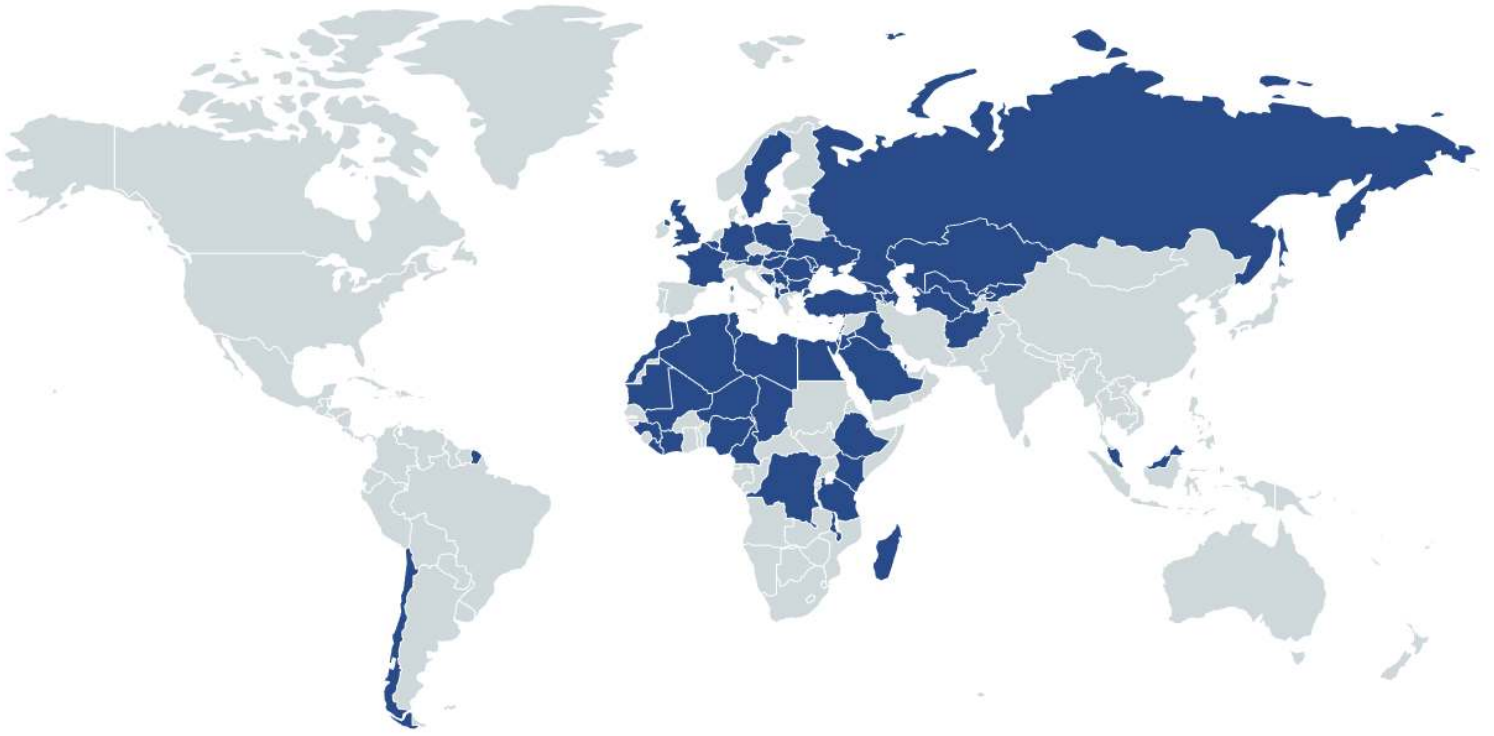
Automatic Lubrication System

Lubrication : 4 Points Automatic Lubrication System **SKF - LINCOLN (German)**

The automatic lubrication system is integrated with the PLC and batching software to provide a smooth, uninterrupted production process. The system regularly oils the critical points and averting major issues. These systems use sensors to detect the level of lubricant present and dispense the appropriate amount automatically.



References



HEIDELBERG
CEMENT

STRABAG

LAFARGE



HYUNDAI

ASTALDI

clinotech

Limak

kalyon

CENGİZ
İNŞAAT

KOLİN

KİPAŞ HOLDİNG

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TAHHÜT TAŞIMACILIK İNŞAAT TİC. VE SAN. A.Ş.

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