



COBRA CONCRETE MIXING PLANT

Mobile on-site all season concrete plant for rough conditions. 50 – 160 yd³/h (40 – 120 m³/h).

- Fast to install and relocate
- Factory assembled enclosure, mobile even in winter
- Saves cement up to 10 %
- Reduces CO₂ up to 50 lb/yd³ (30 kg/m³) of concrete
- Less dust and noise
- Usable in urban areas
- Partially manufactured in North America



Tecwill
CONCRETE PLANTS AND TECHNOLOGY

COBRA SUPER MOBILE CONCRETE BATCHING PLANT

The Cobra concept represents the newest development in the field of concrete mixing and batching plants. The completely factory preassembled plant can be easily installed and be effortlessly moved to a new site.

The patented Cobra has a small footprint. It combines all the necessary features for quick and easy installation, large production capacity and production of the highest quality concrete or shotcrete. The Cobra plant is designed to operate efficiently in harsh cold or hot climate conditions.



COBRA PLANT HIGHLIGHTS

- Low cost setup – can be erected on a concrete slab or on our steel skids
- Fast set up time – even in winter
- Preassembled - pre-wired and tested at the factory
- Precise concrete temperature
- total control in cold and hot weather

FAST WEIGHING AND CONTROL OF MATERIALS WITH THE TECWILL DEVELOPED “FLYING” WEIGH SYSTEM

- High capacity - with more repeatable batch quality
- Approx. 6-15 feet (2-5 m) lower aggregate bin and loading ramp
- Improved aggregate moisture control, right slump consistency
- Better control of dosing deviation, leads to huge savings in production costs
- Saves cement and reduces CO² emissions



CONTACT US TO FIND OUT MORE ABOUT OUR MODULAR RELOCATABLE CONCRETE MIXING PLANT LINE.

STANDARD EQUIPMENT

		MINI C40	STANDARD C80	SUPER C100	SUPER C120
Max production capacity*	m ³ /h	40	80	100	120
Max production capacity*	yd ³ /h	52	104	130	156
Inline aggregate bins					
Number	pcs	2 - 7	2 - 7	2 - 7	2 - 7
Bin volume with filling ramp, volume per one bin	yd ³	40	40	40	40
	tonnes	45	45	45	45
Bin volume with filling conveyor, volume per one bin	yd ³	80	80	80	80
	tonnes	90	90	90	90
Aggregate weighing system		Weighing belt		Flying weighing with belt conveyor	
Cement silos	pcs	1 - 5	1 - 5	1 - 5	1 - 5
Cement scale	lb.	1100	2400	3750	3750
Water scale	lb.	400	600	800	800
Admixture pumps	pcs	1 - 8	1 - 8	1 - 8	1 - 8
Admixture system		Volumetric or scale	Volumetric or scale	Volumetric or scale	Volumetric or scale
Mixer		Planetary	Planetary	Planetary	Twin-soft
Motor size	hp	40	3 × 40	3 × 40	2 × 73
Max batch size	yd ³	1.3	2.6	3.2	3.9
Batch control system		Tecwill WillControl or provided by Customer			

OPTIONAL EQUIPMENT

Mixing unit enclosure	
Mixing room	Preassembled at the factory including insulation, lights and room heating
Batch control room	Preassembled at the factory including insulation, lights and room heating
Admixture pump / compressor room	Preassembled at the factory including insulation, lights and room heating
Aggregate bins enclosure	
Aggregate bins	Preassembled at the factory including insulation, lights and room heating
Covers	Preassembled at the factory including insulation, lights and room heating
Racks	Preassembled at the factory
Aggregate and water heating system	
Heating system	Tecwill TurboCobra
Program for temperature controlled concrete mixing	* WillConHot program
Hot water dosing	* Automatic by hot water valve
Heating pipes and valves inside the plant	** Preassembled at the factory
Water pipelines	** Preassembled at the factory
Heat resource	Heating unit, power 1.7 – 6.8 MBTU/h with hot water system

* Feature with Tecwill WillControl batch control system. ** Restrictions in some states and provinces.

- Enclosed on-site plant
- Low profile, small footprint
- Less dust and noise
- Usable in urban areas



IF A STANDARD SOLUTION DOES NOT MEET THE CUSTOMER'S REQUIREMENTS, A CUSTOMIZED SOLUTION WILL BE PROVIDED



FACTORY ASSEMBLED ENCLOSURE

Heating and lighting. Pre-assembled at the factory, no need for disassembly when relocating the plant. Racks, covers and enclosure for aggregate bins.



AGGREGATE AND WATER HEATING SYSTEM

Aggregate and water heating. Guarantees concrete production in harsh winter conditions. Heats the aggregates in the bins up to the desired temperature. Concrete can be produced to required temperature.



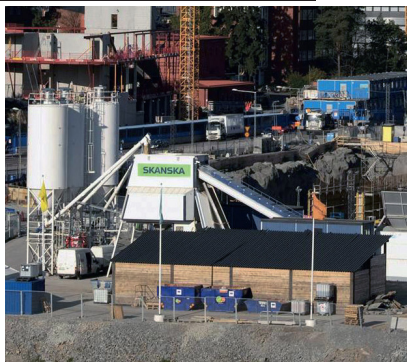
STEEL SKIDS FOR THE MOBILE SETUP

Mobile aggregate loading ramp elements. Low-cost erection. Easy to move to new location.



TECWILL OPTIMOIST - IMPROVED AGGREGATE MOISTURE MEASURING

One sensor for all aggregate fractions. More accurate and faster measuring. Ski sensor or optical non-contacting sensor.



COMPLETE ON-SITE SET-UP FOR URBAN AREAS

Factory installed enclosure protects against cold and reduces dust and noise emissions. Very low noise level, suitable for urban city areas. Laboratory for quality control. Reclaimer for 100% recycling of materials.



HIGH-PRESSURE MIXER WASHING SYSTEM

Automatic cleaning from plant control system. Cleans the mixer using rotating washing nozzles. Easier maintenance.



SHOTCRETE WITH FIBER DOSING SYSTEM

Fully automated system for dosing steel and/or synthetic and PP fibers. Pre-mixing of fibers with aggregate avoids fiber clumps. Better shotcrete quality.

A WIDE RANGE OF OPTIONS ARE AVAILABLE FOR THE COBRA PLANT. PLEASE LET US KNOW IF YOU NEED AN OPTION NOT ON THE LIST.

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