



ARCAMIX CONCRETE MIXING PLANT

Different plant options, from small footprint plants to big volume production facilities. Capacity range 100 – 520 yd³/h (80 – 400 m³/h)

- Relocatable modular plant
- Winterized
- Preassembled and pre-wired
- Drive through operation
- Saves cement up to 10 %
- Reduces CO₂ up to 50 lb/yd³ (30 kg/m³) of concrete
- Partially manufactured in North America

 **Tecwill**
CONCRETE PLANTS AND TECHNOLOGY



ARCAMIX CONCRETE PLANT

Arcamix is a modular, containerized, high performance batch plant. Arcamix is pre-wired, pre-plumbed and tested at factory. Thanks to factory assembled enclosure, it can be easily installed and moved even on extreme weather.

ARCAMIX 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
- 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

| | | ARCAMIX 2.5 | ARCAMIX 3.0 | ARCAMIX 3.33 | SUPER ARCAMIX 4.0 | SUPER ARCAMIX 4.5 | MEGA ARCAMIX 4.5 | ARCAMIX DRY BATCH |
|----------------------------------|--------------------|---|------------------------|------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|
| Max production capacity* | m ³ /h | 100 | 120 | 130 | 140 | 150 | 200 | 110 |
| Max production capacity* | yd ³ /h | 130 | 156 | 170 | 180 | 195 | 260** | 140 |
| Inline aggregate bins | | | | | | | | |
| Number | pcs | 3 - 7 | 3 - 7 | 3 - 7 | 3 - 7 | 3 - 7 | 3 - 7 | 3 - 7 |
| Bin volume with filling ramp | yd ³ | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| | tonnes | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Bin volume with filling conveyor | yd ³ | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| | tonnes | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Aggregate weighing system | | | | Flying weighing with belt conveyor | | | | |
| Cement silos | pcs | 1 - 5 | 1 - 5 | 1 - 5 | 1 - 5 | 1 - 5 | 1 - 5 | 1 - 5 |
| Cement scale | lb. | 3750 | 3750 | 3750 | 5290 | 5290 | 5290 | 5290 |
| Water scale | lb. | 1760 | 1760 | 1760 | 2200 | 2200 | 2200 | 2200 |
| Admixture pumps | pcs | 1 - 8 | 1 - 8 | 1 - 8 | 1 - 8 | 1 - 8 | 1 - 8 | 1 - 8 |
| Admixture system | | Volumetric or scale | Volumetric or scale | Volumetric or scale | Volumetric or scale | Volumetric or scale | Volumetric or scale | Volumetric or scale |
| Twin-shaft mixer | | | | | | | | |
| Motor size | hp | 2 × 60 or 1 × 100 | 2 × 75 | 2 × 88 | 2 × 88 | 2 × 100 | 2 × 100 | |
| Max batch size | yd ³ | 3.2 | 3.9 | 4.3 | 5.2 | 5.9 | 5.9 | 6/12 |
| Control system | | Tecwill WillControl or provided by Customer | | | | | | |

* Feature with Tecwill WillControl batch control system ** Capacity with RCC or dry lean concrete

OPTIONAL EQUIPMENT - PLANT ENCLOSURE

- Mixing unit enclosure comes preassembled from the factory including insulation, lights and heating
- Insulation in the aggregate bin is preassembled at the factory including insulation, lights and heating
- Covers for aggregate bins are preassembled at the factory including hydraulic opening
- Electricity pre-wired for lighting, room heating and batch controller
- Aggregate and water heating system TurboCobra
- Temperature controlled concrete
- Hot water dosing valve
- Heating pipes and heating valves preassembled at the factory
- Water pipes preassembled at the factory including insulated pipechannel
- Heating unit, power 1.7 - 6.8 MBTU/h with hot water system

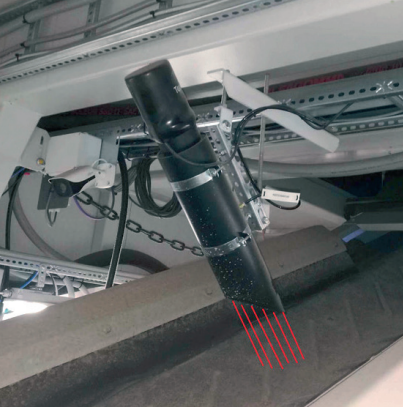
CONTAINER OPTION, ALL WITH 20' SEA CONTAINER DIMENSIONS

- Admixture container 1, admixture storage tanks and compressor, thermal insulation, lights and heating
- Control room container, control room with thermal insulation, lights and heating
- Laboratory container, laboratory and laboratory equipment with thermal insulation, lights and heating
- Storage container, warm large storage with thermal insulation, lights, heating and possible storage shelves
- Storage container, cold empty sea container as a storage
- Workshop container, thermal insulation, lighting, heating, work tables and possible storage shelves

ARCAMIX CONCRETE PLANT

Arcamix is a modular, containerized, high performance batch plant. Thanks to factory assembled enclosure, pre-wiring and testing, it can easily installed and moved through out the four seasons.





TECWILL OPTIMOIST - IMPROVED AGGREGATE MOISTURE MEASURING

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



HIGH-PRESSURE MIXER WASHING SYSTEM

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



FACTORY ASSEMBLED ENCLOSURE

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



AGGREGATE BIN LOADING SYSTEM

Receiving hopper, a lifting conveyor and distribution conveyor. Inclined belt conveyor or the Tecwill Vertec vertical conveying system. The Vertec system requires little space and ensures reliable operation in winter.



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. Enclosed aggregate bins with racks and lids.



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 ARCAMIX PLANT. PLEASE LET US KNOW IF YOU NEED AN OPTION NOT ON THE LIST.

TECWILL

Since starting in 1994, Tecwill has become a world leader in the fabrication of modular concrete batch plants. Headquartered in Joensuu, Finland and operating in Europe, North America, Asia and Africa, we have commissioned over 300 plants within the ready mix, precast, block and paving stone, mining and construction segments.

Tecwill Canada Inc. is based in Toronto, Ontario and coordinates concrete batch plants sales, service support, manufacturing, and spare parts in North America.

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