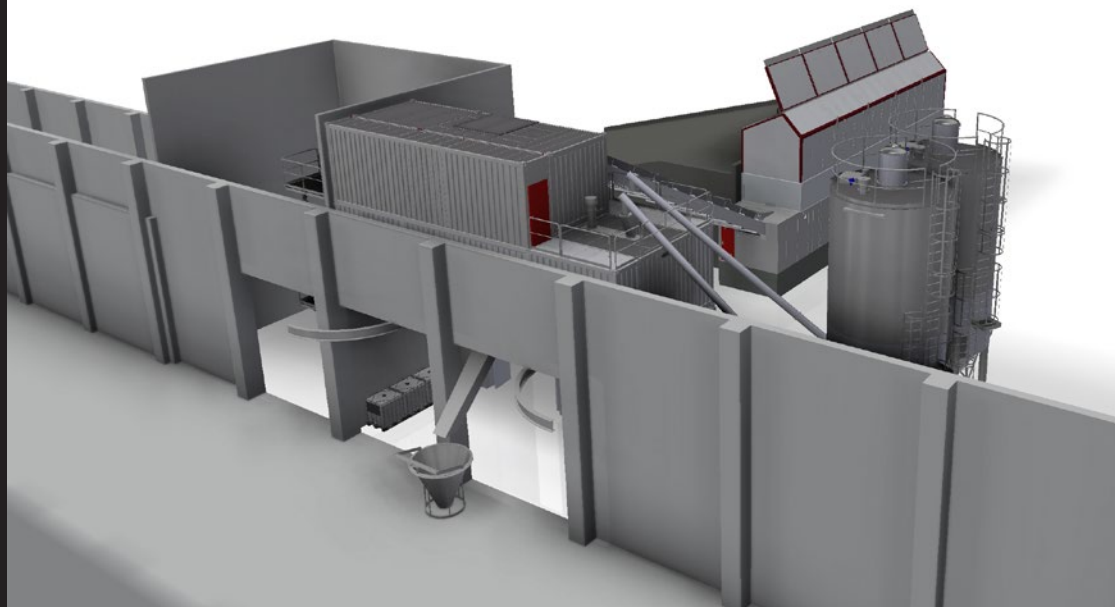


PRECAST

Concrete Plant Solutions

Modular or
custom precast
concrete plants
for high-
performance
production.



- Improved aggregate moisture control
- Right consistency and right W/C ratio for wet and dry mixes
- Cement savings of up to 10 % *
- Reduces CO₂ up to 30 kg/m³ (50 lb/yd³)
- Partly manufactured in North America



TECWILL

Since starting in 1994, Tecwill has become a world leader in the design and fabrication of high-quality 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.

Our modular and high-performance precast plants can be winterized while maintaining the tightest tolerances in the industry. They are pre-wired and tested before being released for shipment. Custom plants are made according to customer requirements to fit the precast factory layout.

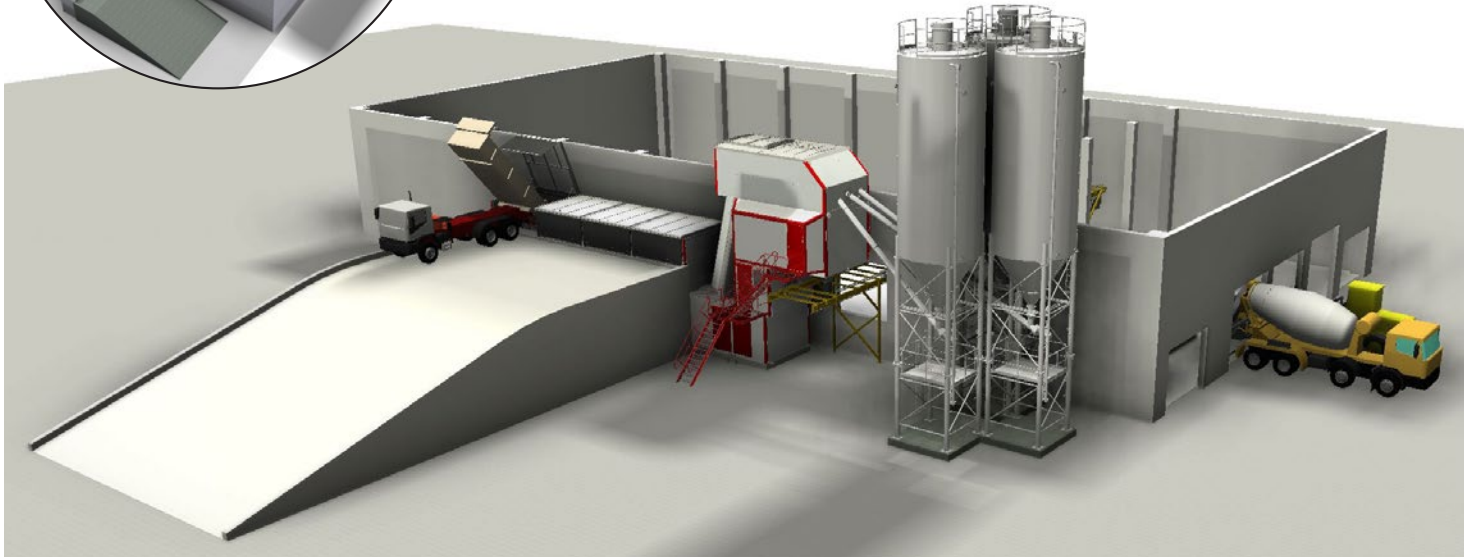
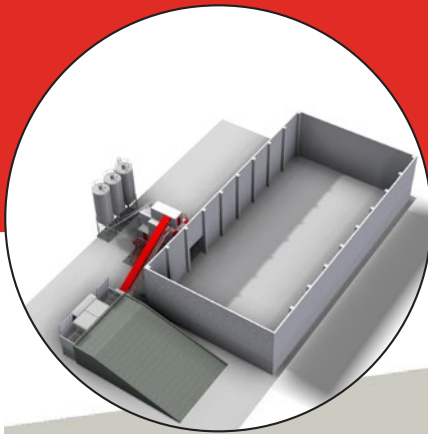


PRECAST PLANT HIGHLIGHTS

- Self-consolidating concrete mixing as a wet-mix procedure *
- Fast set up with modular plant models – even in winter
- 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
- Improved aggregate moisture control, right consistency, and right W/C ratio
- 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 precast concrete mixing plant line.

Precast plant models

The plants are suitable for production of all types of concrete for high-quality precast products, such as:

- Wall panels, beams, and pillars
- Steps, septic tank, and storm water elements
- Piles and poles
- Hollow core slabs with low slump concrete
- Elements utilizing self-consolidating concrete
- Masonry elements, blocks, and paving stones
- Colored concrete, using powder, C-pigment, or granule pigments



Precise product plant production

Our modular and high-performance precast plants can maintain the tightest tolerances in the industry. With batch sizes from 1/2 to 2 1/2 cubic meters (2/3 to 3.5 cubic yards) the precision plants are designed and fabricated to meet the customer's requirements and seamlessly integrate into the precast factory layout.

In a precast plant, each batch produced must be within the dosing, moisture, and temperature tolerances to ensure the highest quality product. Tecwill has developed these unique features to keep up the homogeneous production:

- Self-consolidating concrete mixing as a wet-mix or dry-mix procedure
- Improved aggregate moisture control leads to the desired slump and the right W/C ratio *
- Automatic self-learning control of dosing deviation leads to huge savings in production costs, in both time and materials *
- Precise batch concrete temperature

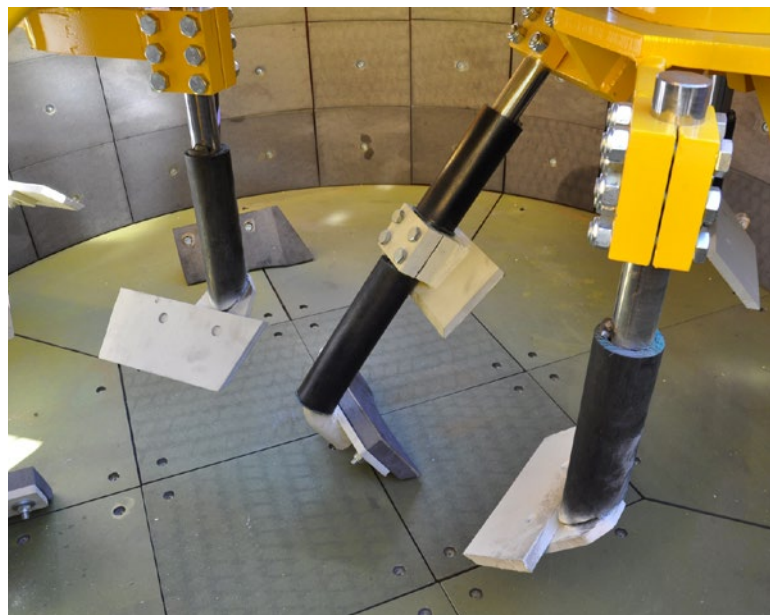


Durable high-quality planetary counter current mixer

Tecwill precast concrete plants are equipped with a durable and high-quality planetary counter current mixer.

Mixer features:

- A homogenous mix with a shorter mixing time
- Easy maintenance due to large service doors
- Wide range of options, including moisture and temperature probes, high pressure cleaning system, sample taking, mixer camera and multiple discharge gates



** Feature with Tecwill "flying" weighing system and batch controller.*

In case a standard solution does not fill the customer's requirements, a tailor-made solution will be provided.

OPTIONAL EQUIPMENT AND PLANT MODELS



Double mixer set-up

Two mixers to increase capacity or for different kind of production.

Base / face mix for paving stones, optionally with color pigment.

Low or zero slump concrete for hollow core elements.

A wide range of mixer capacities to mix and match.



Color-Mix plant model for top layer concrete

Concrete for wall panel facing or blended blocks and pavers.

Changeable aggregate bins.

Color pigment dispensing system.

Location can be outside or inside the precast factory.



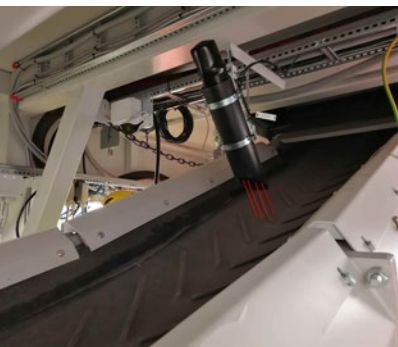
Flying Bucket Concrete Delivery System

Wireless ordering system

Connection to multiple casting points and machines

Duo rails, straight, curved, inclined.

Bottom discharge or roll over bucket



OptiMoist improved aggregate moisture measuring

One sensor for all aggregate fractions.

More accurate and faster measuring.

Option of a ski or optical non-contacting sensor.



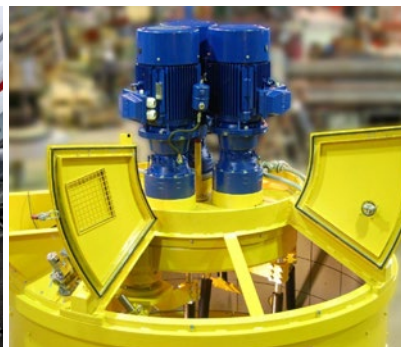
Aggregate and water heating system

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 with the Tecwill batching program.



High-pressure mixer washing system

Automatic cleaning from the batch 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 concrete quality.

A wide range of options are available for the **Tecwill's precast plants**. Please let us know if you need an option not on the list.

TECWILL NORTH AMERICA SALES CONTACTS

Mr. Derek Brown
Sales Manager, Regional & Key Accounts
Cell 514-909-2964
derek.brown@tecwill.com

Mr. Markku Kankaala
Sales Manager, Regional & Key Accounts
Cell 416-897-5101
markku.kankaala@tecwill.com

Mr. Jukka Matikainen
Sales Manager, Regional & Key Accounts
Cell 236-412-6172
jukka.matikainen@tecwill.com

Mr. Teppo Lainio
Sales Manager, Regional & Key Accounts
Cell 202-602-8412
teppo.lainio@tecwill.com

TECWILL NORTH AMERICA SALES OFFICES

Canada Sales Office
2857 Sherwood Heights Drive
Unit 14 Oakville
Ontario L6J 7J9, CANADA

Mr. Ari Elo
Business Development Manager
Cell 416-822-7435
ari.elo@tecwill.com

Mr. Janne Tuomikko
VP Business Development & Sales
Cell 437-238-9466
janne.tuomikko@tecwill.com

USA Sales Office
2301 Connecticut Ave NW, 3C
Washington, DC 20008, USA

HEADQUARTERS

Tecwill Oy
Rahtikatu 3 B
80100 Joensuu, FINLAND
info@tecwill.com
www.tecwill.com/eng

EXPORT SALES
Tel. +358 10 830 2911

SERVICES AND SPARE PARTS
service@tecwill.com

