

# WiCoMix

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Customized Solutions  
for Every Need



WE ADD PROFITABILITY TO THE MIX

[www.concretebiz.com](http://www.concretebiz.com)



### 1. WiCoMix 2250

- Planetary countercurrent mixer HPGM 2250.
- 1.5 m<sup>3</sup> (2 cy) compacted concrete per batch.
- 4-compartment aggregate inline bin with weigh belt (300 m<sup>3</sup> (10,600 cf) storage volume).
- Fully automatic Wiggert Control System.
- Discharge on concrete conveyor belt.
- Production of concrete pipes.



### 2. WiCoMix 3000

- Planetary countercurrent mixer HPGM 3000.
- 2 m<sup>3</sup> (2.6 cy) compacted concrete per batch.
- 5-compartment aggregate inline bin with weigh belt - 200 m<sup>3</sup> (7,050 cf) storage volume.
- Aggregate feeding: Truck dump hopper (below ground), inclined conveyor belt and reversible distributor belt.
- Discharge in flying bucket and ready-mix truck.
- Production of precast concrete products and ready-mix concrete.



### 3. WiCoMix 3750 Towerplant

- Planetary countercurrent mixer HPGM 3750.
- 2.5 m<sup>3</sup> (3.3 cy) compacted concrete per batch.
- Multi compartment aggregate silo - 525 m<sup>3</sup> (18,540 cf) storage volume.
- Aggregate feeding with loading hopper, inclined conveyor belt and rotary belt distributor.
- Discharge in fully automatic concrete transport system with flying bucket and concrete distributor.
- Production of hollow-core elements.



Over  
**50 years**  
of industry experience

### 4. WiCoMix 2250/2250

- 2 x Planetary countercurrent mixers HPGM 2250.
- 2 x 1.5 m<sup>3</sup> (2 x 2 cy) compacted concrete per batch.
- 3-compartment aggregate inline bin with reversible weigh belt - 110 m<sup>3</sup> (3,900 cf) storage volume.
- 2 x discharge into crane bucket.
- 2 x discharge on concrete belt.
- Production of concrete pipes.

### 5. MobilMat 120DB

- Twin shaft mixer DWM 4500.
- 3 m<sup>3</sup> (4 cy) compacted concrete per batch.
- Aggregate feeding via conveyor belt and holding hopper.
- Discharge into ready mix truck.

Note: as with all of our equipment, some features are optional.  
All metric-to-imperial conversions are approximate.



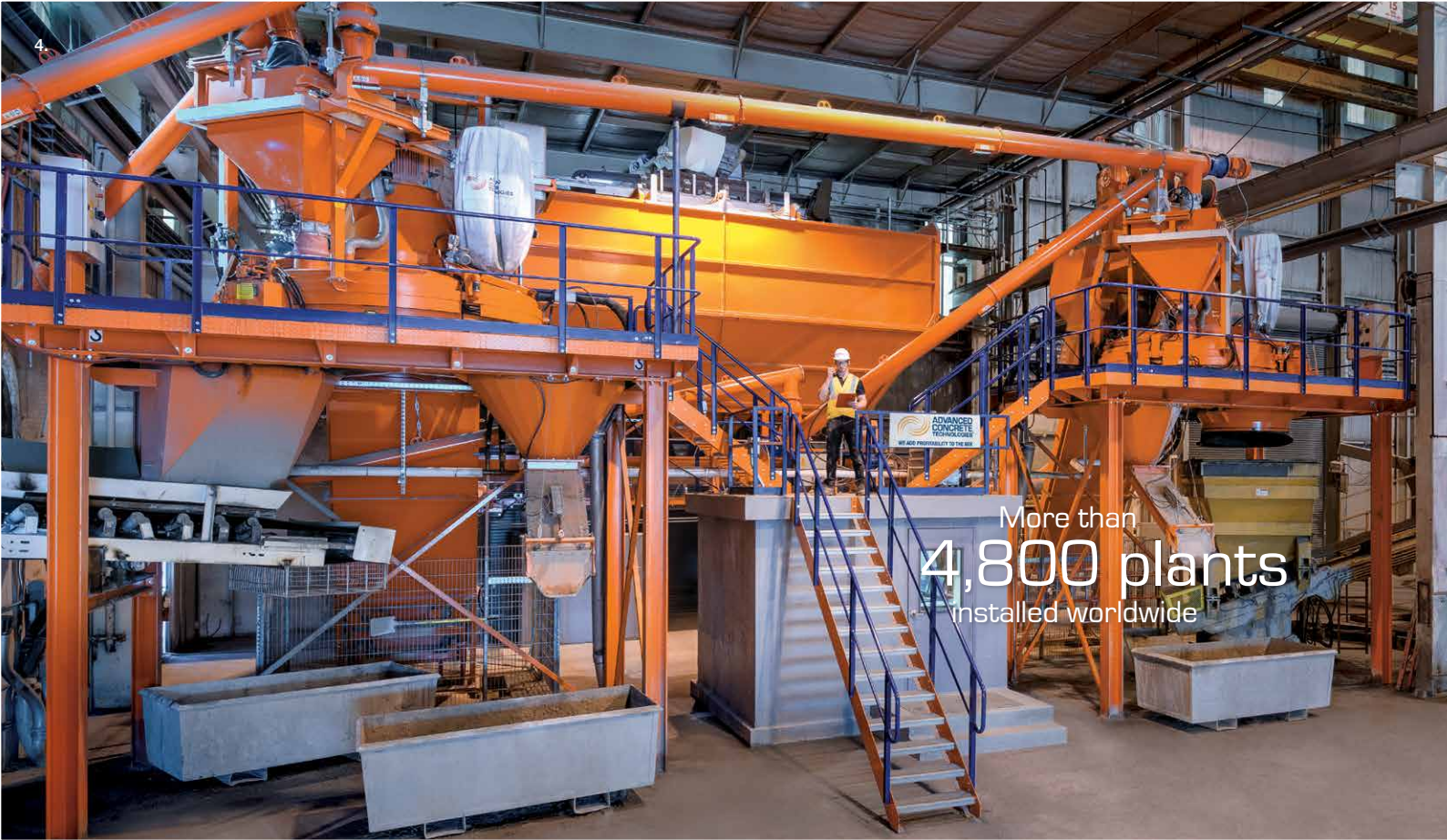
3a.

Proven in the  
Precast, Block  
and Ready-Mix  
industries



4.

More than  
4,800 plants  
installed worldwide



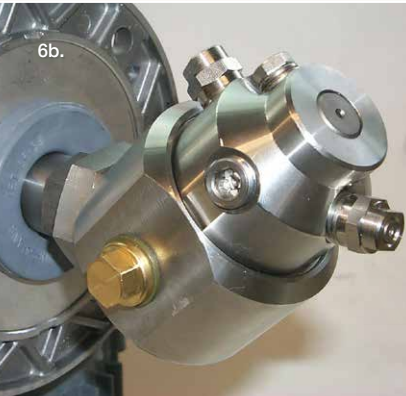
5a.



5b.







# Plants and components for every need

According to the desired application, one, two, or more twinshaft or planetary countercurrent mixers constitute the heart of our plants.



## ◀ HPGM – Planetary countercurrent mixer

- Available in 12 sizes.
- Discharge aid and side scraper for fast and complete emptying.
- 1 to 4 hydraulically or pneumatically operated discharge gates.



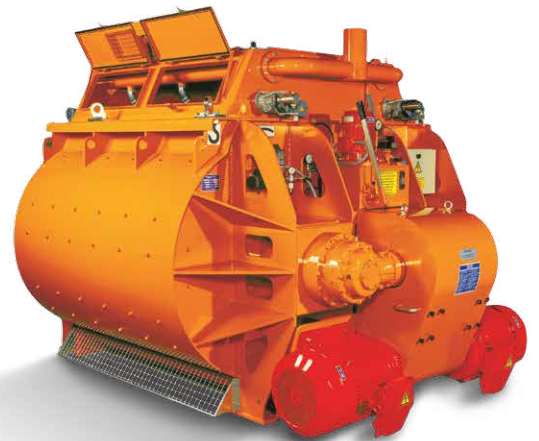
- HPGM - Concrete discharge. ▲

## DWM - Twin shaft mixer ▶

- Available in 6 sizes.
- Oversized discharge gate with two hydraulic cylinders for fast emptying.



- DWM - Concrete discharge. ▲



## 6. Automatic high pressure cleaning system

- For fast and complete cleanup.
- Frost protection (manual or automatic).
- Hand lance for manual cleanup.
- Distributor plate for better overview.
- System extension for flying bucket cleaning possible.

## 7. Feeding and storage of aggregates

- Bin loading via truck, shovel loader and inclined belt with automatic distribution system.
- Storage of aggregates in inline

bins, tower bins, pocket bins, star bins with scraper, exchangeable bins and big bag stations.

- On-site (concrete) silos provided by customer can be fully integrated in our plants.

## 8. Concrete discharge

- Discharge cones for every concrete distribution method.
- Direct discharge or with holding hoppers.
- Fully automatic discharge into buckets (platform transport carts, forklift, crane), ready mix trucks, flying bucket systems or concrete belts.

Automatic high pressure  
mixer-  
cleaning  
systems





Aggregate handling  
Individual all-in-one solutions



Concrete discharge  
tailored to your needs

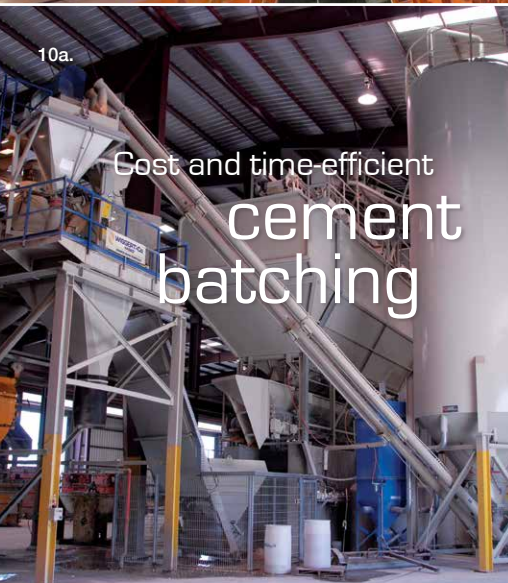






# Aggregate batching

with maximum accuracy



# Cost and time-efficient cement batching



## 9. Weighing and batching of aggregates

Wiggert cones will come with Wiggert silos or can be installed onto site silos provided by the customer (incl. vibrators and HYDROTESTER). Weighing via (reversible) weigh belt, transportable scale, volumetric dosing belt, skip hoist scale or aggregate holding hopper with scale. Flexible aggregate distribution in more than one skip hoist or mixer is possible.

## 10. Cement batching

Silos and screw conveyors in every conceivable execution. Silo filters and automatic overfill safety devices assure easy and seamless silo filling. Screw conveyors are sized in length and flowrate for each application and mixer size. Cement scale with 3 precision load cells for maximum accuracy.

## 11. Water dosing – water scale

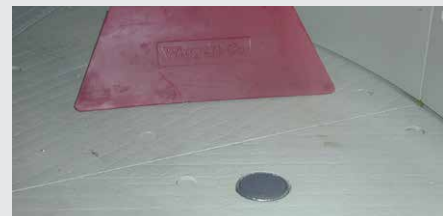
- Fast water dosing for large quantities.
- Precision load cells for maximum accuracy.
- Multiple metering options: Recycled water, chilled water, hot water and slurry.

## 12. Manual trim water dosing.

- Listed in the statistics.

## Hydromat concrete moisture control

Automatically controls the water/cement ratio for a consistent mix.



- Precision control of batch moisture (w/c ratio) integrated in our Wiggert Control Systems.
- Real time control over the actual and the target moisture content of the batch.

## 13. Admixture, color and fiber dosing systems

- Dosing systems for color pigments and granulate.
- Powder dosing.
- Fiber dosing.
- Liquid admixture dosing.

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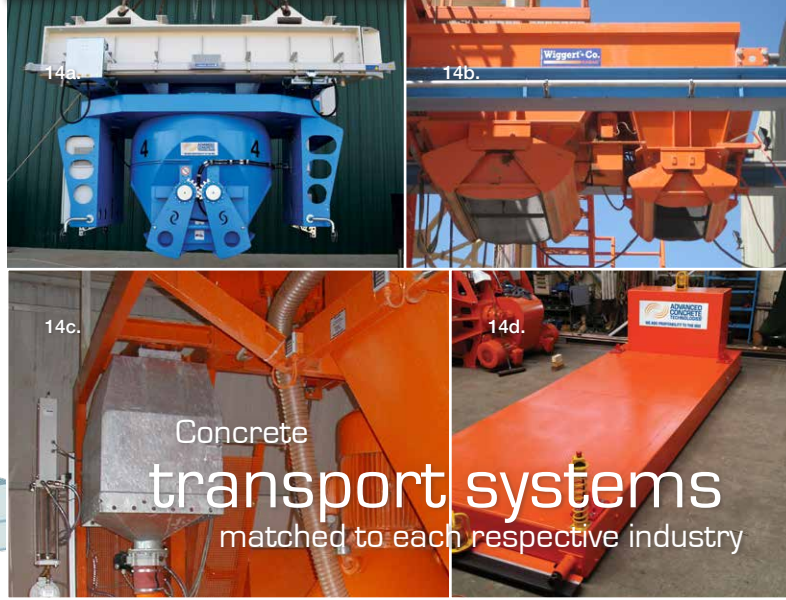
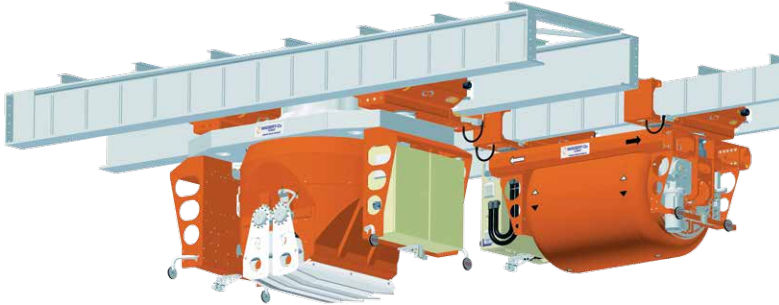






## 14. Concrete transport systems

- Flying bucket systems with roll-over or bottom-opening buckets.
- Double buckets or single buckets.
- Concrete belts.
- Platform transport carts.



## 15. WCS – Wiggert Control System

All plant components coordinated in one paramount control system.

WCS combines Hardware (Motor Control Center) and Software (Windows based operating system; Siemens PLC) in an efficient control system. All components factory bench tested with plant simulation before delivery.

Available in 4 versions.



## 16. On-site assembly and after-sales service

Highly professional machinery equipment and experienced staff guarantee highest quality.

Our machinery and equipment is developed, engineered and designed in-house; test runs are made on final assembly before shipping.

Secure and flexible shipping performed by experienced logistic partners.

Experienced service technicians handle all on-site installations.

Our extensive After Sales Service includes remote online maintenance, operator training, and access to our North American parts department.





# Notes







## Engineered in Germany

Flexible equipment program for superior concrete production across North America.



WiCoMix Plants, MobilMat Plants, CentroMix Plants.  
Aggregate, Water, Cement, Admixture, Color and Fiber handling and dosing.  
Planetary Countercurrent Mixers HPGM, Twin Shaft Mixers DWM,  
Water Recycling Systems, Concrete Transport Systems and Control Systems.



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