

# TDZ Twin-Shaft Mixers

TEKA TDZ Twin-Shaft Mixers are ideally suited to precast and ready-mix concrete production. The mixer trough is compact, with a large horizontal discharge gate and two counter-rotating mixing shafts.

Mixer sizes range from 1500 – 4,500 liters filling capacity, yielding output capacities from 1.33 to 4.0 cu.yds.



## TDZ Mixer Advantages:

- Intensive, efficient mixing and homogenization of batch materials in the shortest possible time
- Uniform distribution of fine and coarse aggregates
- Compact, user-friendly design with high operational safety
- Long life expectancy, with low investment and operational costs
- Central Lubrication System means low maintenance
- Large Access Doors in mixer hood for easy cleaning



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TDZ Mixer troughs are lined with replaceable Chill-Cast Tiles for exceptional wear life.

The twin mixing shafts have **roller bearings and seals** on both ends. The seals can easily be replaced, without having to remove any component of the drive line.



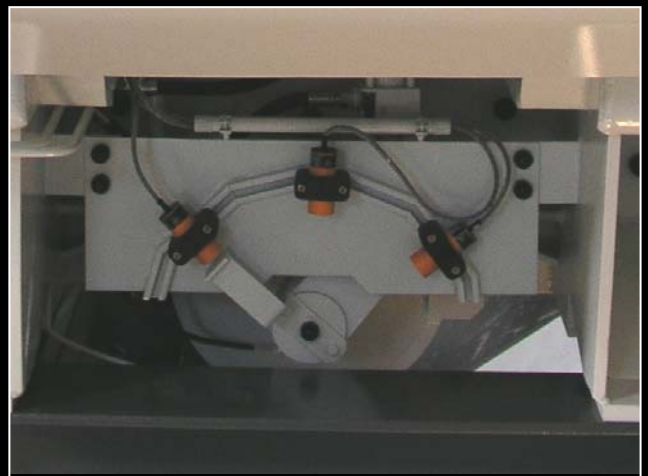
## TDZ Mixer Design Features:

The **Mixing Arms** are wear resistant steel castings and mounted on the twin shafts with special round hubs. These minimize concrete buildup, for quicker cleaning and ease of maintenance.



**Mixing Paddles** are made of special hardened chrome-nickel castings, and are easy to replace.

The **Discharge Gate** runs the entire length of the mixer trough and is operated by a hydraulic piston cylinder. By using adjustable proximity switches, the gate can be opened to any degree required.



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TDZ Mixers are equipped with a **separate hydraulic power unit** to operate the discharge gate.

This unit also has a manual pump with which the gate can be opened, should a plant power outage occur.



## TDZ Mixer Drive Line:

Models TDZ 1500, 1875 and 2250 use one electric drive motor, and models TDZ 3000, 3750, and 4500 are driven by two motors. Each motor has thermal overload protection.

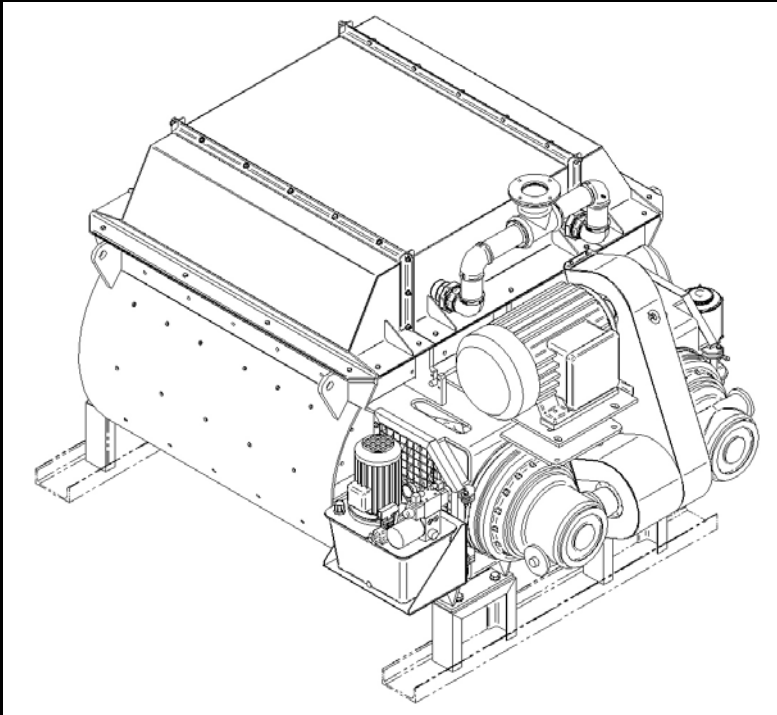
Replaceable V-Belts connect the drive motors to the two gearboxes, which are synchronized and coupled by a drive shaft.



## TDZ Mixer Optional Equipment:

- Skip Hoists (tilting or bottom-discharge)
- WALTER Water Wash-out System
- Air Bag for Dust Control

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**TDZ 2250**

**TDZ 4500**

