

Cement & Aggregates

Reliable and Efficient Motors, Controls,
Gear Reducers, and Generators

Avoiding Equipment Failure & Reducing Downtime

Worldwide Electric's distributors partner with cement plant owners, operators, and facility managers to ensure their equipment is operational and working as efficiently as possible — day-in, day-out. We understand the costs of running heavy machinery or taking a plant off-line, especially with decreasing margins from production to market price.

Our premium motors, motor controls, gear reducers, and generators for the cement and aggregate industry are specifically designed to provide reliable up-time while resisting harsh environmental conditions and heavy daily usage.

Contact:

Call:

Email:

Shaft Mount Reducers

Our Shaft Mount Gear Reducers offer quality and dependability and can directly replace existing equipment. They are commonly used to transmit power to conveyors and material handling equipment.

- The *Original*, *Eliminator* and *Ultimate* Reducers
- *Original* - Dimensionally equivalent to TXT Series
- Box sizes 2-12
- 9:1, 15:1, 25:1 ratios
- Industrial grade all cast iron housings
- Tapered bushing type (bushing not included)
- 1-15/16" to 5-7/16" hollow output bores
- Premium quality ball and tapered bearings
- Metal reinforced double lip, spring loaded oil seals
- Two-year warranty



Sealed Enclosure

All Shafts use metal reinforced double-lip seals to keep oil in and contaminants out

Solid Casing

Heavy duty FCD45 cast iron housing for corrosion resistance and can be ground to A.G.M.A standards

Precision, Durable Build

Shaft and gears are manufactured from high-grade steel, extended gear centers and tooth contact

Smooth Operation

Premium ball and tapered roller bearings for smooth operation and lower noise

Highly Compatible

Mounting holes, center distances match popular TXT series: allows drop-in replacement for many brands

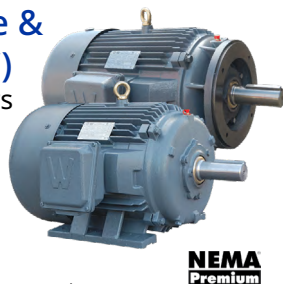
"Eliminator" is ideal for traditional TXT and screw conveyor applications and is compatible with CEMA-rated flanges and drive shafts.



The Original is also available as a hydraulically powered, fully HXT compatible unit that mounts directly to the driven shaft.

Premium Efficient, Marine & Severe Duty Motors (TEFC)

Reliable, high performance motors well-equipped to power anything from pumps, fans, compressors, blowers, and hydraulic power units. The LAM IEEE 45 Marine Duty Motors feature a three-year warranty, and are designed for wet environments and taxing conditions



Premium Efficient Severe Duty

- 1-500 hp | 3600, 1800, 1200, 900 rpm
- Frame size 143T to 586/7, rigid base or C-Face with feet (TC)
- Up to 1.25 Service Factor
- Inverter duty, 10:1 CT / 20:1 VT (1.0 SF)
- IP55 protection | Class F insulation | CSA certified
- CC006A

LAM IEEE 45 Marine Duty

- 1 to 450 hp | 3600, 1800, 1200, and 900 rpm
- Up to 1.25 Service Factor
- Inverter duty, 10:1 CT / 20:1 VT (1.0 SF)
- Design B and NEMA premium efficiency
- IP55 protection | Class F insulation
- Class 1 Div. 2 Groups A,B,C,D (NEC)
- UR, CE, IEEE 45, CC306B

Severe Duty for Crusher Applications

Our Rock Crusher Motors provide high starting and breakdown torques for high-impact, heavy-duty applications, such as aggregate conveyors and lifts.



- 200 to 600 hp | 1800 and 1200 rpm
- IP55 protection and premium efficiency
- 4140 high tensile strength steel shaft
- FC200 density cast iron frame

Generators

AC synchronous generators rated for standby or continuous duty to create 60 Hz or 50 Hz power for almost any application.



- AC Synchronous
- Brushless 4-pole, self-ventilated alternators
- Double or single bearing
- 60 Hz at 1800 rpm or 50 Hz at 1500 rpm
- CSA approved

Vertical Hollow Shaft Motors

Designed for standard and high-thrust turbine pump applications and backed by a 2-year warranty, VHS motors offer premium efficiency, corrosion-resistant epoxy paint, epoxy-coated rotor and windings, and a felt end bell seal that protects from pump seal failure.



- Two-year warranty
- 10-500 hp | 1800 rpm
- IP23 weather protected enclosure
- Standard coupling size included
- Double thrust bearing design (100-500 hp) for deeper well applications

WorldDrive Variable Frequency Drive Packages

Fully configurable packaged solutions for motor control. They are UL compliant, assembled, tested and ready for operation prior to shipment. The heavy duty enclosure provides protection in the most demanding outdoor environments.



- NEMA 3R, 4, and 12 enclosure options
- Choice of N700E or WorldDrive Flex Control VFDs
- 2 hp through 800 hp with WorldDrive Flex Control VFD
- Broad range of available sizes, features, and configuration options available
- Standard options in-stock ready for immediate delivery

WorldStart Motor Soft Starter Packages

Fully configurable packaged solutions for reducing the load and torque when starting and stopping your motors. They are UL compliant, assembled, tested and ready for standard duty, heavy duty, and positive displacement pumping applications.



- NEMA 4 enclosures with WorldStart WSE or WSiQ,
- 5 hp through 300 hp @ 230 V
- 20 hp through 600 hp @ 460 V
- Broad range of available sizes, features, and configuration options available
- Standard options in-stock ready for immediate delivery

Gear Reducer Accessories

We offer a complete range of accessories including single and double output shafts, output covers, bushing kits, etc.