

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

WATER/WASTEWATER

SOLUTIONS

**WATER
WASTEWATER**



HARNESSING THE POWER OF WATER/WASTEWATER

Toshiba International Corporation (TIC) has decades of experience in delivering reliable water/wastewater treatment infrastructure solutions ranging from industrial electric motors and adjustable speed drives to power apparatus & components, electromagnetic flow meters, total solids analyzers, distributive control systems (DCS), programmable logic controllers (PLC), and human machine interface (HMI) solutions.

Toshiba water/wastewater products are built with an emphasis on the factors that matter most to the industry – efficiency and reliability.

- Reliability and Up-time
- Lower Lifecycle Costs and Extended Life
- Excellent Performance and Efficiency for Reduced Energy Costs
- Superior Support and Reduced Maintenance Costs
- One Stop Solution – Single Source Supplier of Integrated Motor & Drive Systems

MOTORS & ADJUSTABLE SPEED DRIVES

- Low Voltage Motors Ranging From 1/2 to 1,000 HP & 230 to 575 V
- Medium Voltage Motors Ranging From 100 to 50,000 HP & 2,300 to 13,800 V
- Low Voltage Drives Ranging From Fractional to 1,500 HP & 230 to 690 V
- Medium Voltage Drives Ranging From 300 to 11,000 HP & 2,400 to 6,900 V
- **Vertical P-Base Motor:** Available with Normal, Medium, or High Thrust Designs with Premium and High Efficiency and Torque Ratings for Severe Duty Applications. IEEE 841 Design Available
- **EQP Global® Series Motor:** Low Voltage NEMA Premium® Design for Severe Duty and Division 2 Hazardous Locations
- **Custom Large Horsepower Vertical Motor:** Custom Design Capabilities for Application-specific Large Horsepower Motors
- **General Purpose MV Motor:** Available in Enclosures such as Totally Enclosed Fan Cooled and Weather Protected Type I/II
- **AS3 ASD:** Advanced Low Voltage Drive Ideal for Internet of Things (IoT) and Industry 4.0 Automation Applications where Enhanced Real-time Communications are Required
- **G9® ASD:** Rugged Low Voltage Drive with a Proven Platform and Advanced Microprocessor for Flexible Application Control
- **W7B ASD:** Patented 18-pulse Copper-wound Transformer Design that Eliminates Significant Harmonic Content to the Power Grid
- **Plus Pack ASD:** Designed for Low Voltage Outdoor Applications in the Harsh Conditions where Reliability and Precision are Required
- **MTX2® ASD:** Second Generation of the World's First Medium Voltage Drive Specifically Designed for Outdoor Installations and Operation in Remote Locations with Extreme Environmental Conditions
- **T300MV2® ASD:** Advanced Medium Voltage Drive Featuring Five-level Pulse Width Modulation with Neutral-point Clamping Technology



POWER APPARATUS & COMPONENTS

- **TE2 Series Solid State Starter (SSS):** High-end, Digitally Programmable, Reduced Voltage Heavy Duty Starter
- **TE-H Combination & TE-B MLO & Combination Series:** TE2 Series SSS in Heavy Duty Enclosure and Ready to Work Right Out-of-the-Box
- **JK Series Solid State Starter:** Medium Voltage Controller, Compact Design, & Available in Indoor/Outdoor Enclosure Ratings
- **JK Sync-Xfer:** Medium Voltage Controlgear Available in Multiple Configurations Including Multiple Motors



INSTRUMENTATION

- **Electromagnetic Flow Meters:** Available in Mount-anywhere and Flanged, Backed by 10-year Warranty
- **Microwave Density Analyzer:** Sludge Density Analyzers to Measure Consistency, Ideal for Water/Wastewater Applications
- **Programmable Logic Controllers:** More than 25 Years of Experience in Design & Development of PLCs
- **Distributed Control Systems:** More than 25 Years of Experience in Design & Development of DCS for Plant Process Controls



CERTIFICATIONS

With a variety of both North American and International third-party certifications, Toshiba has the products that meet the needs and demands of the water/wastewater market.

- CSA
- UL Listed in U.S. & Canada
- ISO 9001
- IEEE
- FM
- BASEEFA
- SAA



IN-HOUSE SOLUTIONS

- Research & Development
- Design & Engineering
- Manufacturing
- Sales & Marketing
- Applications Support & Training
- Field Service & Field Service Training
- Customer Service & Project Management
- Logistics & Warehousing

WATER/WASTEWATER APPLICATIONS

- High & Low Service Pumps
- Blowers
- Sludge Pumps
- Flocculators
- Sewage
- Water Pipelines



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