

# PRODUCTS & SERVICES



EST. 1999

**Q-TRADE**  
CORPORATION

**2020**  
EDITION



## ABOUT Q-TRADE CORPORATION

Started in 1999 as an importer and trader of materials for the construction of clean rooms. Through the years, Q-Trade Corporation established a niche - by conducting micro-contamination measurement, and recommend means to control it. We offer engineering services for HVAC TAB works, cleanroom certification and acquired authorization to distribute international brands of high technology instruments for environmental, water treatment and gas monitoring, packaging machines and laboratory equipment.

Our comprehensive line of products and services helps industries to capture and gather important micro-contamination data measurement that enable them to make fact-based decisions in how to meet regulatory requirements, improve their product quality and process yield.

## VISION

We will be a billion Corporation by 2030 by selling high quality products and internationally recognized engineering services. We will be a challenging organization known for reliability and responsive to our customer's need, yet delivering a fair return to our stakeholders.

## MISSION

We actively represent, market and sell high quality products and globally compliant engineering services. We shall be known for reliability and responsive to our customers while delivering sustained revenue and fair return to our stakeholder.

# ENVIRONMENTAL APPLICATION

## PARTICLE MONITORING

- Cleanroom Monitoring
- Portable and Continuous Monitoring
- Cleanroom Certification
- Molecular Contamination



Real-time Monitoring



Mobile Molecular Monitoring System



Point of Use Molecular Monitoring



Portable Particle Counter

## TEMPERATURE & RELATIVE HUMIDITY MONITORING

- Portable, Data logging and Real-time Monitoring
- Regulation, Alarming Analysis
- Server Rooms & Data Centers
- Healthcare and Laboratory
- Monitoring during Transport



Data logger Econo Version



Data logger with A/V Alarm



Transmitter



Transport T

## MICROBIAL AIR SAMPLER

- Mobile and Remote Application
- Isolator Microbial Monitoring
- Compressed Dry Air Monitoring



Isolator Monitoring



Remote Microbial Sampling



Mobile Sampling



Single-Use Application

## UV AIR DISINFECTION SYSTEM

- Indoor Air Quality Improvement
- Residential Air Purification
- Commercial Coil Cleaner & Odor Reduction
- Medical Air and Surface Disinfection



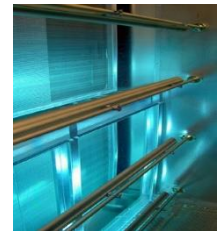
Portable UV



Surface UV Disinfection



Medical UV Disinfection



Coil Clean Installed

## ROOM DIFFERENTIAL PRESSURE

- Portable and Real-time Monitoring Application
- Regulation, Alarming and Analysis
- Healthcare and Laboratory



Real-Time Monitoring



Portable Monitoring

## AEROSOL PHOTOMETER & GENERATOR

- HEPA Filter Leak Testing



Aerosol Photometer

# GAS MONITORING APPLICATION

## COMPRESSED DRY AIR SYSTEM

- Particle Monitoring
- Microbial Monitoring
- Dewpoint/Moisture Monitoring
- Oil Monitoring Application
- Portable & Continuous Monitoring



Dewpoint Sensor



Oil Content Monitoring



Microbial Monitoring



Particle Monitoring

## TOXIC & COMBUSTIBLE GAS MONITORING APPLICATION

- Portable and Continuous Monitoring
- Percent and ppm measurement
- Toxic gas application



Realtime Monitoring



Portable Monitoring



Transmitter

## OXYGEN ANALYZERS (INLINE, OFFLINE, PERSONAL)

- Portable and Continuous Monitoring
- High Purity (ppb) Processes
- Portable and Process (ppm)
- Oxygen Transmitters
- Replacement of Oxygen Sensors



Portable Analyzer



Realtime Monitoring

## GAS PURIFIERS AND PARTICLE FILTERS

- Ultra High Purity Gas Purification
- Particle Filtration
- Point-of-Use and High Capacity options
- Re-generable



## MULTIGAS ANALYZER USING IR, PID, MOS, EC, TFP

- Replacement of Oxygen Sensors
- Personal Detector
- Portable and Online Analyzer
- Fast Response Time and Long Sensor Life



Realtime Monitoring



Personal Detector

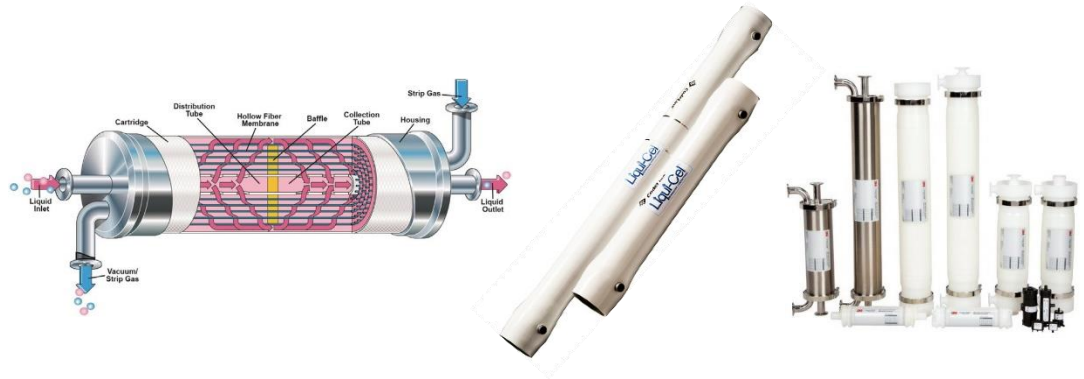


Online Multigas Meter

# WATER TREATMENT APPLICATION<sup>1</sup>

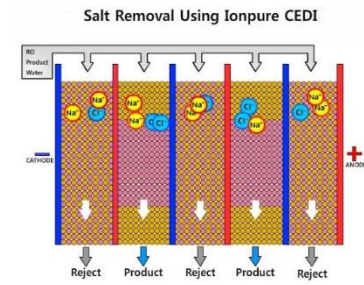
## GASIFIER/DEGASSIFIER MEMBRANE CONTACTORS

- Electronics and Semiconductor Degassing Application
- Beverage Deoxygenation, Decarbonation, Carbonation and Nitrogenation
- Power Plant & Steam Generation
- Boiler Feedwater Deoxygenation and CO<sub>2</sub> Removal
- Ink Degassing and Debubbling Application
- Pharmaceutical, Laboratory and Analytical Application



## CONTINUOUS ELECTRODEIONIZATION (CEDI) MODULE

- Water Treatment System Deionization
- MX series Modules for small/ lab systems
- LX series Modules for medium size systems
- MK series retrofit modules



## RO MEMBRANE HOUSING

- End-port, Side-port or Multi-port options
- Octagonal shape for flat surface side port sealing
- Threaded side-port & one-piece head design, 2.5", 4" & 8" diameter options
- Pressure rating up to 1200psi



## RO MEMBRANE FILTER

- Reverse-osmosis Membrane Element
- Water Treatment and WasteWater Treatment Filtration
- Nano Filtration (NF) Membrane
- Ultra Filtration (UF) Membrane
- Micro Filtration (MF) Membrane
- Membrane BioReactor (MBR)



# WATER TREATMENT APPLICATION<sup>2</sup>

## PARTICLE MONITORING

- Inline and Realtime Water (RODI/ WFI) Monitoring
- Water and Product Batch Sampling
- UPW Particle Monitoring
- Chemical Liquid Particle Monitoring



Batch Sampling



Chemical Monitoring



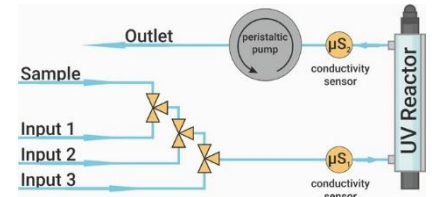
Liquid Particle Sensor



Downloading Software

## TOC ANALYZER

- Inline and real time TOC measurement
- Batch TOC Sampling
- Display of TOC, Resistivity or Conductivity and Temperature



## WATER QUALITY MONITORS

- Inline and Realtime Water Quality Monitoring
- Wastewater and Municipal Application
- Water Treatment Application



Dissolved Ozone Monitoring



- Dissolved Ammonia
- Residual Chlorine
- Resistivity/Conductivity Monitor
- PH Monitor
- Hydrogen Peroxide Monitor
- Turbidity Monitor

## WATER QUALITY TEST KITS

- Single Parameter Meters Multi-Parameter Meters
- Comparator, Tablet and drop count, Pocket Kits



# QUALITY, LABORATORY & MEDICAL EQUIPMENT

## BIOSAFETY CABINET

- Class I (Protection for Personnel & Environment)
- Class II Type A and B (Protection for Personnel, Environment and Product/Sample)
- Class III (Glove Boxes, Isolation Boxes)
- Testing, Calibration and Maintenance Service



Class I BSC



Class II BSC



Class III BSC



Class III BSC

## FUMEHOOD/LAMINAR FLOW HOOD

- Ducted Type Protection for Personnel and Environment in Chemical Application
- Ductless Type Protection for Personnel and Environment in Chemical Application
- Testing, Calibration and Maintenance Service



Standard Type



Fumehood PP



Ductless



Laminar Hood

## HOSPITAL EQUIPMENT

- Refrigerator
- Centrifuge
- Hematology Analyzer
- Platelet Incubator
- Bed
- Vital Signs Monitor
- Defibrillator
- Mini-cleanroom Environment



Hospital Bed



Vital Signs Monitor



Platelets Incubator



Centrifuge

## ISOLATOR

- Positive Pressure Isolator (Aseptic Preparation, Dispensing of IV and TPN Application)
- Negative Pressure Isolator (Cytotoxic Application)
- Testing, Calibration and Maintenance Service



Hematology Analyzer



Laboratory Refrigerator



Pathology Workstation

# PRODUCTION & PACKAGING MACHINE

## ULTRASONIC CLEANING MACHINE

- Ready-to-Use Ultrasonic Washing Machine
- Custom Designed Ultrasonic Cleaning Machine
- For Parts & Devices Cleaning



## PHARMACEUTICAL PROCESS AND PACKAGING LINE

- Bottle Washing Machine
- Labeling Machine
- Blistering Machine
- Strip Packing Machine
- Cartoning Machine
- Encapsulation Machine
- Strip/Sachet Filling Machine
- Storage Tanks
- Filling Machine
- Automated Line

Blister Packaging Line



Cartoning Machine



Strip Packaging Machine



Sampling Booth



Encapsulation Machine

## FOOD PROCESSING MACHINE

- Mixing Machine
- Grinding/Cutting Machine
- Conveyors
- Packaging Machine
- Freezers



Conveyor



Spiral Freezer

## CONSTRUCTION EQUIPMENT

- Duct Forming Machine
- Metal Forming Machine
- Metal Shearing and Folding Machine
- Scissor Lift Equipment



Duct Manufacturing



Hydraulic Folding



Shearing machine



Scissor Lift



- Automated Disinfection and face recognition (gatekeeper, with face and temperature recognition)
- Automated Hand Washing/Drying
- Fan Filter Units (FFU) / HEPA filters
- Portable Air Purifier
- Passboxes
- Cleanbench
- Aseptic Isolator / Glove box



Automated Hand Washing/Drying



Aseptic Isolator / Glovebox



Passbox



Fan Filter Unit (FFU)



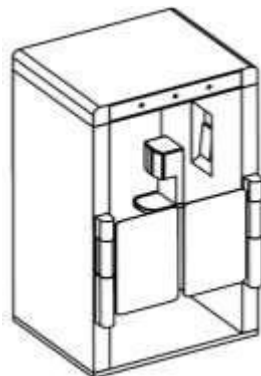
Air Purifier



HEPA filter



Automated Disinfection



Automated Gatekeeper



# OUR SERVICES



## TESTING, ADJUSTING AND BALANCING AIR & HYDRONIC

- Unit Capacity/ Air Volume (AHU, PACU, FCU, Exhaust, etc)
- Diffuser Grilles/Kitchen Hoods (and other air terminal devices)
- Exhaust Fan/Ventilation
- HVAC performance test (After TAB) VAV, CAV.
- Pump Capacity
- Chillers
- Cooling Towers
- Balancing Valve Flow
- Heat Exchanger
- AHU/FCU

## CLEANROOM CERTIFICATION

- HEPA/ULPA Filter Installation Leak Test (Ambient Air Challenge or PAO/Emery 3004 Challenge)
- Air Flow Velocity/ Volumetric Test
- Temperature & Relative Humidity Test
- Room Differential Pressure Test
- Airborne Particle Count Test
- ESD Floor Conductivity Test (Point-to-point/Point-to-ground)
- Lighting Intensity Test
- Sound Pressure Level Test
- Airflow Parallelism Test
- Biological Safety Cabinet Validation
- Laminar Flow Unit / Fumehood Validation
- Smoke Visualization Test
- Containment Test
- Recovery Test

## EQUIPMENT INSTALLATION

- Air Shower
- Fan Filter Units
- Passboxes
- Cleanbench
- Cleansuit Cabinets

## COMPRESSED DRY AIR VALIDATION

- Dewpoint
- Particulate
- Oil Content
- Microbial Test

## INSTRUMENT CALIBRATION

To ensure that your instrument meets factory specifications, we recommend that it be scheduled back to our laboratory at one-year interval for recalibration. Q-Trade Calibration and Repair Center is run by factory trained service engineer and technician using the latest in calibration and service equipment with proper documentation to keep your process running efficiently.



**NUCLEAR RESEARCH INSTITUTE IN QUEZON CITY  
100K CLEANROOM FOR STERILIZATION & DONNING AREA**





**HEALTH SCIENCE INSTITUTE IN DASMA CAVITE  
10K AND 100K MOLECULAR LABORATORY**





**PPE FACILITY IN CARMONA CAVITE**  
**100K CLEANROOM**





**PPE FACILITY IN CLARK PAMPANGA  
100K CLEANROOM**



## LICENSES AND REGISTRATIONS:



REPUBLIC OF THE PHILIPPINES  
BUREAU OF INTERNAL REVENUE  
Tax Identification No.: 203-482-513-000



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF TRADE AND INDUSTRY  
BUSINESS NAME REGISTRATION  
Certificate No: 00246151



REPUBLIC OF THE PHILIPPINES  
SECURITIES AND EXCHANGE COMMISSION  
SEC Registration No: A1999-12548



REPUBLIC OF THE PHILIPPINES  
PHILIPPINE DEPARTMENT OF FINANCE  
Bureau of Customs Accreditation as Importer  
CAS Accreditation No: RCASRIM 08-0161005-08



REPUBLIC OF THE PHILIPPINES  
SOCIAL SECURITY SYSTEM  
SSS No: 03-9145594-0

EST. 1999



Q-Trade has grown to become a regional leader in the micro-contamination environmental monitoring industry.

## PRODUCT BRANDS



NuPure IIII

IONPURE®

BIOBASE



SANUVOX



TERAL


## STANDARDS/GUIDELINES






# OUR CLIENTS




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