EDGEWORTH LAGUNA

1970 - 2020

Company Profile 2020

A Member of The Omniworth Group

About Edgeworth

As one of the largest providers of equipment and services supporting the semiconductor and electronics industries in the Philippines, Edgeworth Laguna, Inc. (ELI) is committed to bringing value to our customers giving them the competitive edge enabling their continuous growth and success here in the Philippines and throughout the world.

Over the course of the last 50 years, there has been a constant evolution of industries, technologies, and opportunities in the Philippines. Our business has been built on our ability to actively participate in that evolution by working with global Original Equipment Manufacturers (OEMs) providing local sales and technical support for the "state of the art" technology offerings to support each of the emerging growth industries as they occurred.

During this time, our business has also evolved, from sourcing and providing the logistics and kitting of components for commodities such as radios, televisions and other consumer electronics to supporting the sales and service of the latest and greatest hi-tech equipment utilized in the semiconductor and electronics assembly, test and reliability processes.

Change has not been limited to the equipment or materials used to produce products here in the Philippines, and Edgeworth has embraced the challenges of being a good corporate citizen through an ongoing effort to ensure we are in line with local and international policies related to our people, the environment, and business conduct.

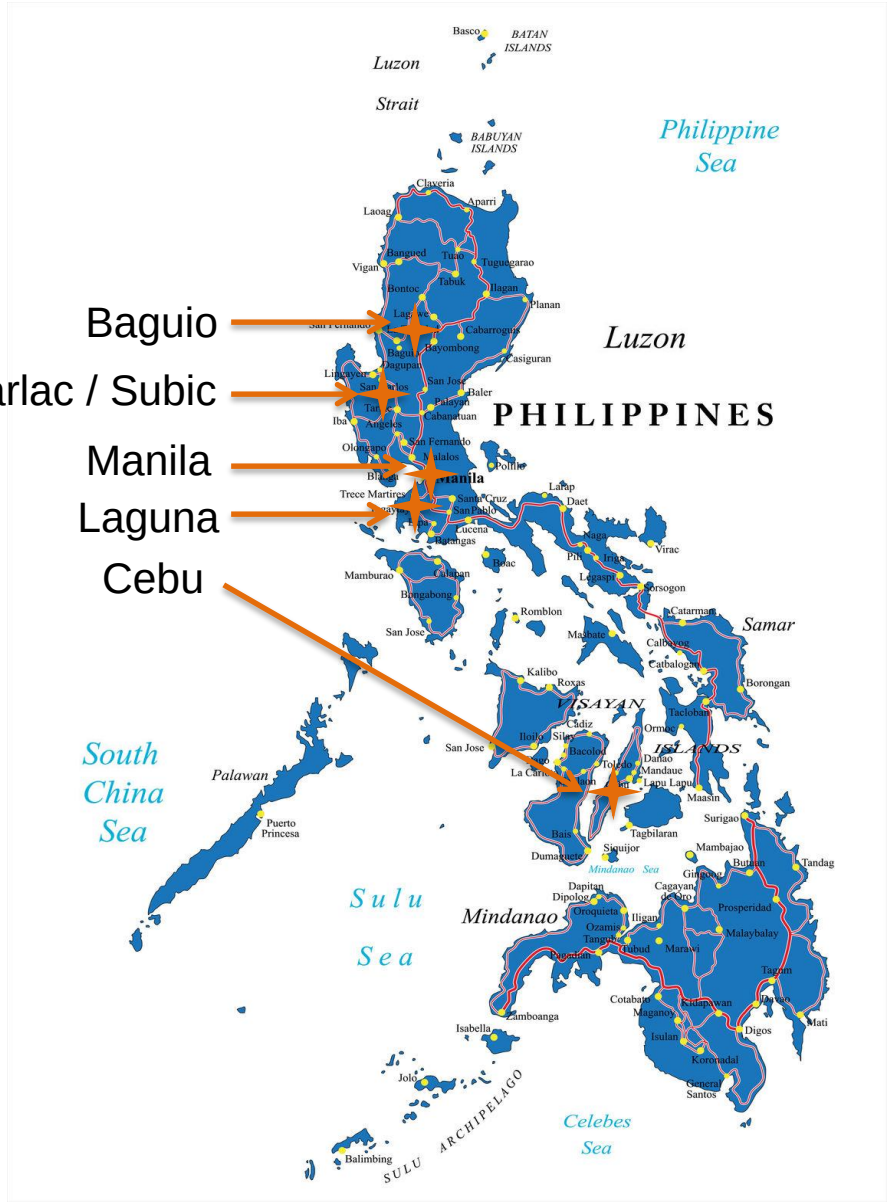
Our people have always been a cornerstone on which we have built our success. We have developed a culture to promote a high-achieving, results-oriented organization implementing values to focus on the elements crucial to customer satisfaction. The high number of long-term employees is an indicator of the "family" atmosphere, while the growth and success of the company is an indicator of the high level of professionalism found here. We are confident that through our continuous employee development and empowerment we will continue to propel Edgeworth through the next evolution of industry and technology in the Philippines.

We look forward to working with our customers to overcome the challenges involved in the next generation of technology, and sharing in the successes for the benefit of our companies, the industry, and the Philippines.

Mabuhay!

Market Access

Our main office is in the Laguna Technopark with branch offices in Baguio, Clark and Cebu. The close proximities to our clients allows us a faster response time for technical support and enables us to meet “just-in-time” tax-free spare parts requirements.



EDGEWORTH LAGUNA



Main Facility – Laguna Technopark

1300 sqm Multifunction Facility w/Training and Seminar areas, Application Center, Conference Rooms as well as a Customer Lounge area and dedicated warehouse space.







ELI Application and Training Center

Benefits to our customers:

- **Reduce Costs**
  Instead of sending their people for training abroad, ELI Application and Training Center offers progressive training for free, with the same quality of teaching.

- **Process / Quality Improvement**
  By providing application support, process and quality, often improves and can be achieved according to the customers criteria and specifications.

- **Throughput enhancements / Reduction in Cycle time and Better Uptime / OEE**
  Edgeworth Laguna Application and Training Center was strategically built to help-out customers by providing support on UPH enhancement, progressive training, skills enhancement and technical know how.

Our Vision

It is our vision to be a recognized leader in the sales of equipment, materials and support services. This will be accomplished by paying attention to both our customer needs and through innovation, for the development of quality support services.

Our Core Values

1. Service Value
2. Dependability
3. Speed
4. Empowerment and Accountability
5. Innovation
6. Teamwork
7. Integrity
8. Achievement and Discipline

Our Mission

To Our Customers

We will remain, with unrelenting research, at the forefront of technological advancement to promote products that will satisfy all aspects of their requirements and render reliable services and maintenance to these products throughout their economic life.

To Our Suppliers

We will uphold their integrity and reputation and apprise them on accurate market information as the bases of their future-generation products.

To Our Employees

We will mold them into our norms and business culture, provide them personality development and spiritual enrichment, recognize their performance and achievements in order to develop their confidence and sound judgment.

To Our Society

We will be responsive, with our earnest desire, to the welfare of our community and exercise awareness for the improvement of our environment.

Our People

Our employees play a major role in the growth of our business. We promote and nurture the development of our people by providing appropriate seminars, team building programs, continuing education through local and offshore training.

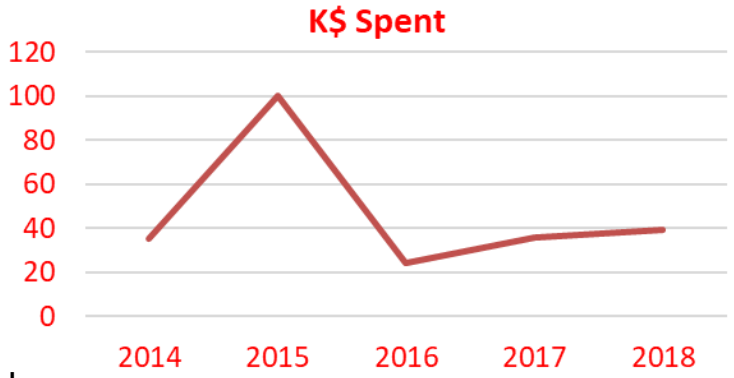
Our technical staff is comprised of ~50 board certified ECE, electrical & mechanical engineers with an average tenure of more than 10 years, supporting equipment in high availability, high volume, quality intensive manufacturing environments. Many are regarded as the local “experts” providing applications support for our customers as well as identifying opportunities for improvement and equipment enhancements for our suppliers.

The depth in our sales team is a product of a solid equipment background coming from working in our technical support group prior to moving into a focused sales role. That experience combined with the long term professional relationships they have established while in service make ELI a credible alternative when proposing solutions for our customer base.

Service

Over the course of 2018, we have sent close to 20% of our service population to take part in offshore factory training programs, continuing the trend for the fifth year. This represents participation in factory floor, hands on training from our suppliers where they are in Japan, Malaysia, China, Germany, Singapore, Taiwan and the USA.

Working with our suppliers, we identify and procure the common as well as specialty tools, jigs and fixtures necessary to provide the highest level of service and ensure the shortest time to repair for our customers.

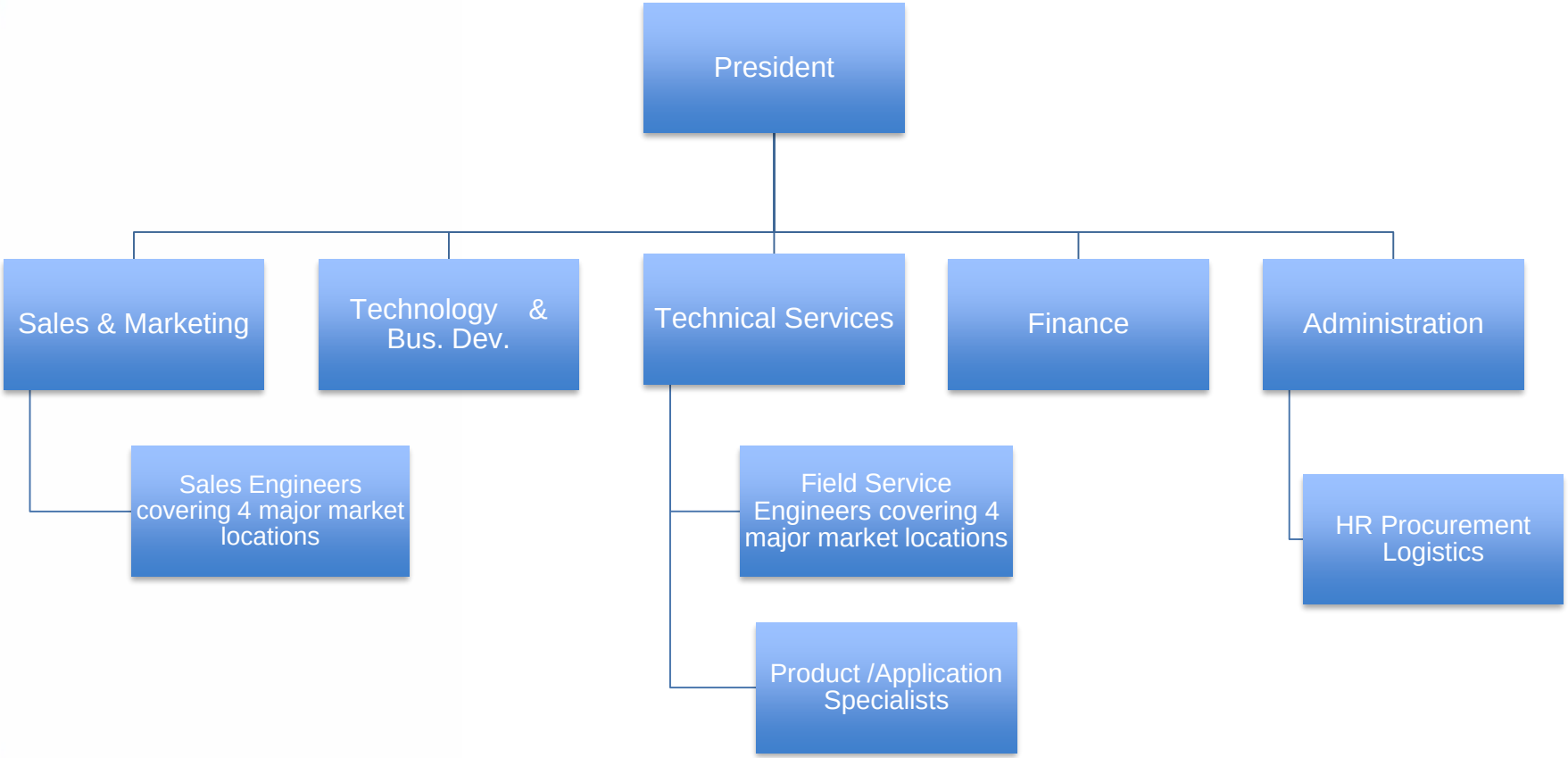


The Technical Service Group at Edgeworth Laguna is committed to minimizing our customers downtime with in-house access to a spare parts inventory in excess of $1.1M USD.

Edgeworth has been providing initial warranty, extended warranty and post warranty service for our suppliers and our customers for over 49 years. We coordinate and manage the initial installation along with operator, maintenance and applications training with in-house start –up support for our customers.

EDGEWORTH LAGUNA

ORGANIZATIONAL CHART



Product Lines

EDGEWORTH LAGUNA

ACCRETECH





AD2000T / New AD3000T Plus
Wafer Dicer (Fully Auto)



AD3000T-HC
Wafer Dicer (Half-Cut)



SS10/SS20/SS30
Wafer Dicer (Semi Auto)



A-CS-300
Stand-alone Wafer Washer



PS300
Package Saw Singulation



AD20T/S
Smallest Twin Spindle Wafer Dicer



ML300EXWH
Wafer Laser Dicer

Accretech
Tokyo, Japan

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ACCRETECH

ACCRETECH Precision Dicing Blades & Grinding Wheels



Resin Blade
For Semiconductor packages like PQFN, Glass, Crystal, Quartz, etc



Metal Bond Blade
For Semiconductor packages like Glass, Ceramic, etc



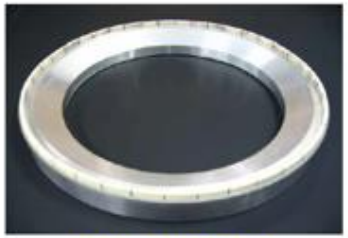
Electroformed Bond Blade
For Green Ceramic, LED board, Composite materials, Silicon, Compound materials (GaAs, GaP, etc)



Electroformed Hub Blade
For Silicon and compound Semiconductor (GaAs, GaP, etc) wafers, Oxide Wafers (LiTa03, etc)



Dresser Plate



Grinding Wheel
(Rough & Fine)

Accretech
Tokyo, Japan

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ACCRETECH



PG3000RMX
Polish Grinder
for 8"-12" Wafers



New **HRG3000RMX**
Automatic 3 axis High Rigid
Grinder for 8"-12" wafers



HRG300/HRG300A
High Rigid Grinder
for 2"-12" Hard Brittle
Materials



HRG200X
High Rigid Grinder
for 3"-8" Hard to Grind
Materials

Accretech
Tokyo, Japan

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ACCRETECH



Fortia



UF2000
Wafer Prober



UF200R
Wafer Prober



FP2000
Wafer / Film Frame Prober



UF3000EX
Wafer Prober



FP3000
Wafer Prober

Accretech
Tokyo, Japan

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Athlete

Micro Ball Mounters

BM-1300W

for Wafers, BGA-CSP and Substrates



Micro Ball Repair System

BM-1120WR

for Wafers, BGA-CSP and Substrates



Flip Chip Bonder

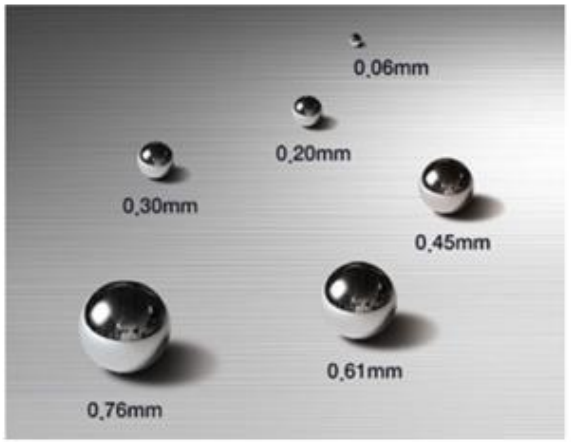
CB-600

for Solder process with High Accuracy Bonding

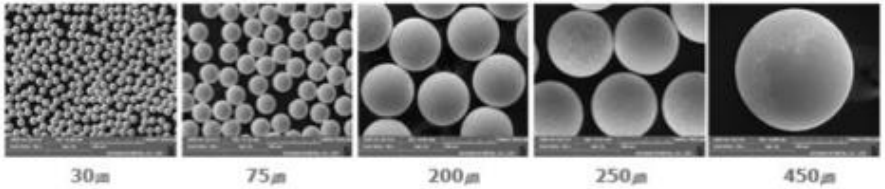


Athlete FA Corporation
Nagano, Japan

DS Hi-Metal



Micro and Standard Solder Balls
for BGA, CSP, WLP and Flip-Chip



Solder Ball size ranges from 30μm to 760μm

Duksan Hi-Metal Co., Ltd.
Ulsan, Korea

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NGK

MEGCON II

The Antistatic System for Ultrapure Water

CO2 Bubblers



Models: Rack and Cabinet type



MEGCON Cell Membrane

NGK Insulators, Ltd.
Tokyo, Japan

WAFTECH SDN BHD



New Automatic Wafer Sorter with Inspection



New Automatic High-Speed Transfer



New Automatic Wafer Packer/Unpacker



New Automatic Labeler and Sorting



New Automatic Wafer Mounter De Tapper System



New Automatic Wafer Frame High-Speed Labeler

Waftech Sdn Bhd
Penang, Malaysia

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mct Reducing the cost of test

First in the field of strip test handling solutions



SH-5000/5300
Strip Test Handler
The ultimate choice when temperature is critical.



FH- 1200
Film Frame Handler
No package limitations.
No change kits required.



MH-3000/3300
Laser Marker Handler
High Performance laser Marking of 2D codes and final Package marks.

MCT Worldwide LLC
Minneapolis, Minnesota USA

COHERENT

LASER MARKING



LASER WELDING



LASER SCRIBING



3D METAL PRINTING



Coherent Rofin
Santa Clara, California USA

EDGEWORTH LAGUNA

ESPEC



J Series Chambers



Hast Chambers



Air to Air Thermal Shock Chambers



Small Volume Thermal Shock Chambers



PH/PV Ovens

OTHER PRODUCTS
Walk in Chambers
Vacuum Ovens
Burn in Systems
Vibration Chambers
Bench Top Type Chambers
Advance Battery Tester
Settling Dust Test Chamber

Espec
Osaka, Japan

Hitachi High-Tech
HITACHI



FT Series for Coating Thickness Gauge
XRF Plating Thickness Gauge



EA Series for Hazardous Substance Analysis
XRF Analyzer



Thermal Desorption Ionizer MS
(Screening Device for Phthalates)

Hitachi High-Tech Science Corporation
Tokyo, Japan

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ASAHI

Auto-Mold System



M Series



C Series



T Series



BGA & WBGA



Top Gate Series



Film Assit
TFA Series
T Flex series



WFA Series



RL Series
Reel to Reel Application

YXLON

Offers a broad range of cutting-edge X-ray and CT products designed to support all your industrial inspection needs.



COUGAR EVO series
Easy to use, very fast CT imaging. The perfect small footprint CT & 3D micro-slice platform.



CHEETAH EVO series
Make virtual µ-sections, quickly w/o cutting the sample. Advanced software for fault finding.

Experience a seamless CT inspection workflow

FF20 CT



FF35 CT



YXLON FF20 / FF35 CT Key Benefits
Intuitive touchscreen operation with new Geminy user interface. Revolutionary inspection sequence creation using icons. Flexible ROI selection thanks to off-center virtual rotation axis.

New



YXLON FF70 CL

YXLON FF70 CL
Highest resolution advanced 2D and 3D X-ray system for fully automated analysis of the smallest features.

Asahi Engineering Co., Ltd.
Fukuoka and Kyoto, Japan

Yxlon International GmbH
Germany

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ANRITSU

TEMPERATURE MEASURING INSTRUMENTS



Handheld Thermometers
Model HD-1000 series



Compact Thermologgers
Model AM-8000 series



Temperature Calibration System
Model ACS II series



~10,000 Types of Probes
Types: Surface, Magnetic, Internal, Air, Moving, Food, and many more.

Anritsu Meter Co., Ltd.
Tokyo, Japan

Steam Age Chambers



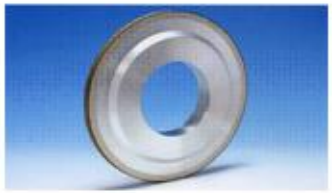
SAT 1-5 / SAT1-3 / SAT 2-5

Meets Mil. Spec 883, 202, 750, DOD 2000 and IPC ANSI/J STD
Microprocessor controlled
DI Compatible construction
Domed top insuring no condensation on the components
Over-temperature safety features
Auto water refill through pump or solenoid

H&H Engineering, Inc.
Stockton, California USA

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NORITAKE



Dicing Blade
(Rimsaw, Resin Cutter)



Hubless
(Package Singulation Blade)



Diamond Wheel



Vitrified CBN Wheels



Coolant

RedringSolder ®



Solder Paste



Liquid Flux



Solder Bar

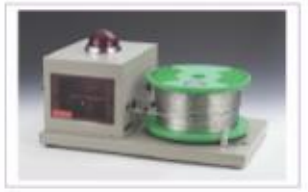
RoHS compliance



Flux Cored Solder Wire



Anodes



Wires

Noritake Co., Ltd
Tokyo, Japan

Redring Solder (M) Sdn Bhd
Selangor, Malaysia

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Nisene Technology Group

TAIYO

Advanced Decapsulation System



PlasmaEtch



Jet Etch Pro Cu Protect / Pro



Cerdip Opener



Can Opener

Nisene Technology Group
Watsonville, California USA

PCB Electrical Testing System



Manual Checker
(Model E series)



Manual Press System
Compatible with Model E series.



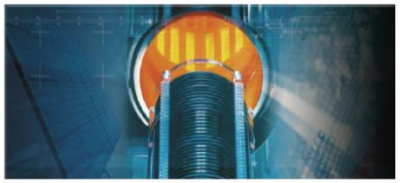
Fully-Auto Checker
Model DS201/202AT



Semi-Auto Checker
Model DS100

Taiyo Industrial Co., Ltd.
Wakayama, Japan

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Koyo

The future of heating technology



Vertical Furnace for 300mm Wafer VF-S700

Mini Batch, flexible up to 90 wafers batch processing.

High throughput by high-power heater with fast heat up.



Vertical Furnace for 300mm Wafer VF-S900

Large batch, Max 100 wafers batch processing.

Excellent temperature control from low to medium high temperature range by use of LGO heater.



High Temperature Clean Room Oven CLH Series

The best for semiconductor wafers and glass substrate.



High Temperature Inert Gas Oven INH Series

Heat to 600 deg-C and keep oxygen concentration less than 20 ppm. The best for ceramic degreasing.

Koyo
Nara, Japan

PENTAGON TECHNOLOGIES

Products



Fan Filter Units

We make sure that the air in your EFEM meets the highest possible standard of particle reduction in the most efficient way possible.



QIII+® Surface Particle Detector

Immediately detect particles to 0.3 micron and localize them within a production tool.



Shield Systems

Protects even the cleanest environments from the contamination created by sneezing, skin flakes and breathing.

Services



Process Kit Cleaning

- Chamber-to-Chamber on-site service programs
- Full kit management
- Ultra life kits
- State-of-the-art cleaning & coatings
- Refurbishment of chambers, critical components, spare parts



Assemblies

- Valving
- Lid Assemblies
- Cold traps
- Ion Implant line assemblies
- Process kits, such as DPS,IMP and Encore

Coating

- AI TWAS
- Ultra TWAS for high stress films
- Cu TWAS
- SS TWAS
- Alumina ceramic
- Yttria ceramic
- Yttria blend ceramic
- Ultra Yttria ceramic



Pentagon Technologies
Hayward, California USA

EDGEWORTH LAGUNA

TTVISION Advanced Machine Vision



Wafer Inspection Machine



Wirebond Inspection Machine



Post Tape Inspection Machine

TTVISION Technologies Sdn Bhd

Penang, Malaysia

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A sample of the world class semiconductor companies we support























ON Semiconductor

























SEMITEC Corporation



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Some of the world renowned Subcon/EMS companies we support



















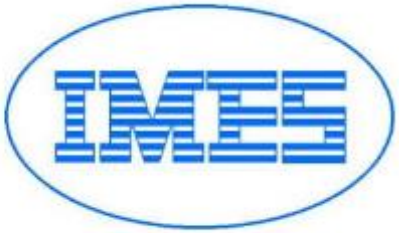














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Additional companies supported by ELI representing numerous other industries including Electronics, Solar, Computing, Medical, Aviation, Automobile, Firearms, PCBs and Food to name just a few.



































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LEXMARK

Panasonic

SHARP

TDK

TOSHIBA

MOOG

PRICON MICROELECTRONICS, INC.

Shin-Etsu

IRP

Nanox Philippines, Inc.

PRIMA TECH

SUNPOWER

YAMAHA Revs Your Heart

Nidec All for dreams

REMEC BROADBAND WIRELESS

SURTECKARIYA

YAZAKI

EDGEWORTH
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Web: www.edgeworthcorp.com

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Thank You!