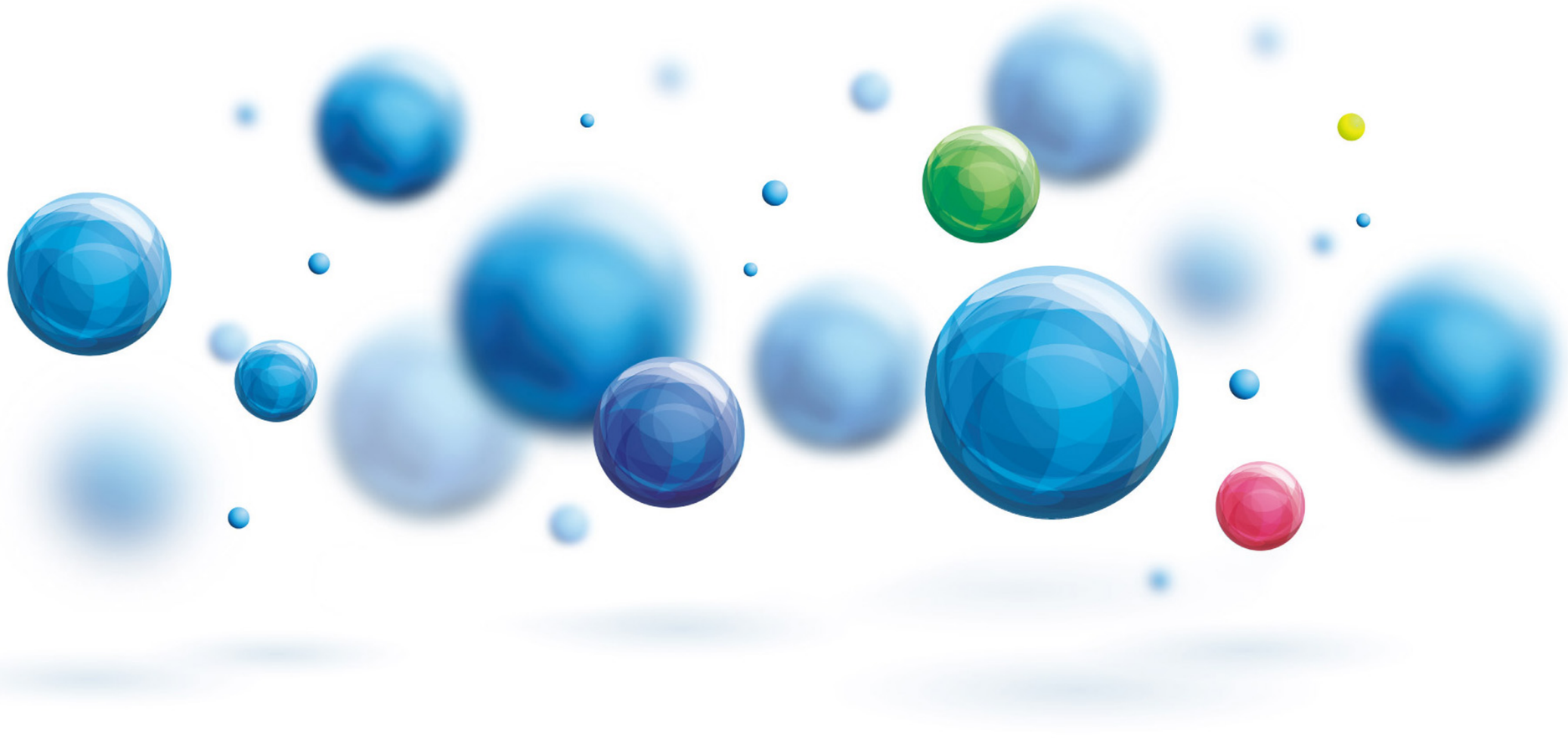
Automotive • Electronic Component • Medical and Sports Equipment • Optoelectronic
3C Industry (Computers, Communications and Consumer Electronics)
High-End Traditional Product • Optical • Electric Motor

EVERWIDE “GLUE” THE WORLD



Everwide Chemical Co.
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EVERWIDE
Everwide Chemical Co.

Research | Innovation | Dedication | Value
ISO Quality & EHS Management System

EVERWIDE
Everwide Chemical Co.

Research / Innovation / Dedication / Value

Company Profile

Everwide Chemical Company began operations in 2000. The early products have mainly been focusing on photo-curing adhesives and epoxy resin (one component & two component) to join the adhesive applications market. In 2012 created a new product line of modified silicone and silicone to meet the existing customers requestment of new applications. With the company's continuous growth and the new product development, the annual growth rate is more than 10% in 2020.

" Research, Innovation, Dedication, Value" is the highest quality policy of Everwide.
We establish documents, production equipments, maintain an excellent management system and continuously improve efficiency.

ISO 9001

In 2004, officially obtained ISO 9001: 2000 certification
In 2008, upgraded ISO 9001: 2008 Version
In 2015, upgraded ISO 9001: 2015 Version

ISO 14001、45001

In 2011, obtained ISO 14001, OHSAS18001 certification
In 2015, upgraded ISO 14001: 2015 Version
In 2018, upgraded ISO 45001: 2018 Version

IATF 16949

In 2014, obtained ISO/TS 16949: 2009 certification
In 2017, it was upgraded IAFT 16949: 2016 Version

Quality Policy

The quality policy has always been the quality goal that Everwide adheres to, our quality has process management from incoming inspection to outgoing quality control.
Each batch of product has the spectral graph as quality assurance.
All defective products have corrective and preventive action as well as improvement strategy.
Test data was kept in the management department for continuous tracking.

Everwide accepts external audits quarterly, we believe that quality improvement policies will improve our quality to meet our customers' needs.

Verified Certificates


ISO 9001


IATF 16949


ISO 14001


ISO 45001


TTQS certification

Contents

2021 Introducing smart logistics in 2021 / Preparing for consumer products

2020 Operational performance hits a record high

2019 Completed solar power plant

2017 Introduction of ERP system / Adoption of industrial 2nd road / Yunlin beach cleanup activities

2016 D&B Top 1000 Elite SME award

2012 Completed construction of composite material and rubber sheet production Line

2011 Everwide obtained IS014001:2004 (CNS14001) certificate
Everwide obtained OHSAS 18001:2007 certificate

2009 New project exchange experience meeting to be held monthly/Start R&D training program

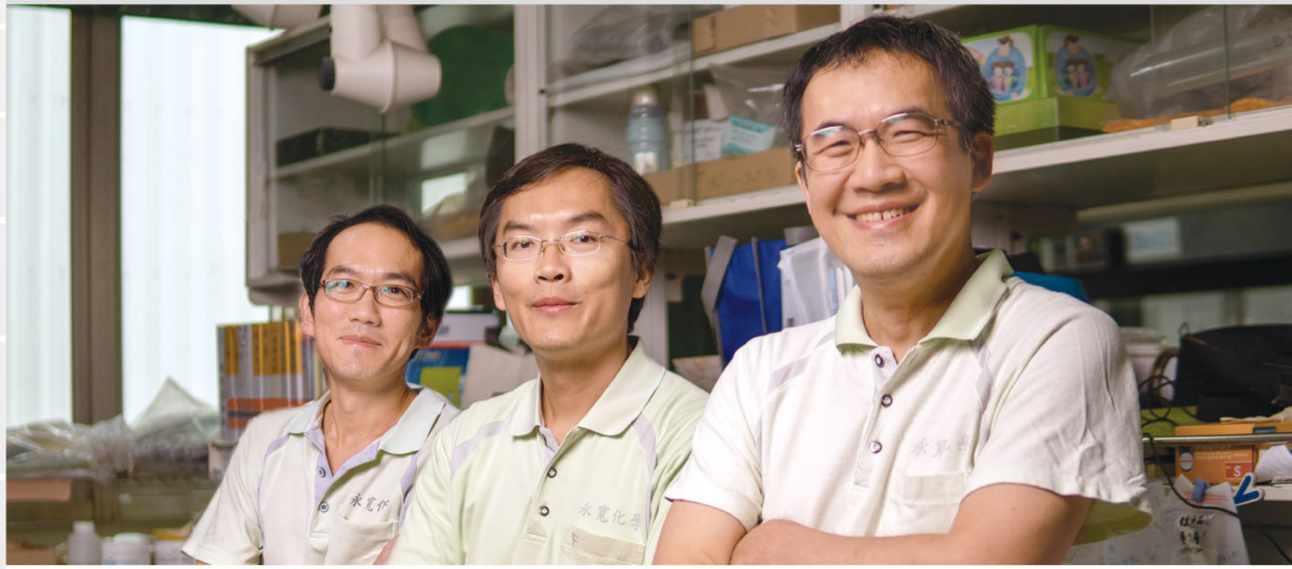
2007 E-paper of Everwide published the first issue

2006 R&D center completed

2004 The company obtained ISO 9001 certificate

2000 The construction of Everwide 1st factory was completed in Douliu

1998 Everwide Chemical Company was established in 1998



Mission

Our mission- "Be an excellent material supplier in adhesive chemical area"
We might ask a very basic question: for whom do we want to be an outstanding material supplier? The obvious answer is for customer needs and those who have a need to meet customer requirement helping create existential value for the company.
Customers who do not use our products now, even competitors, may let us discover their needs and become our customers.

Vision

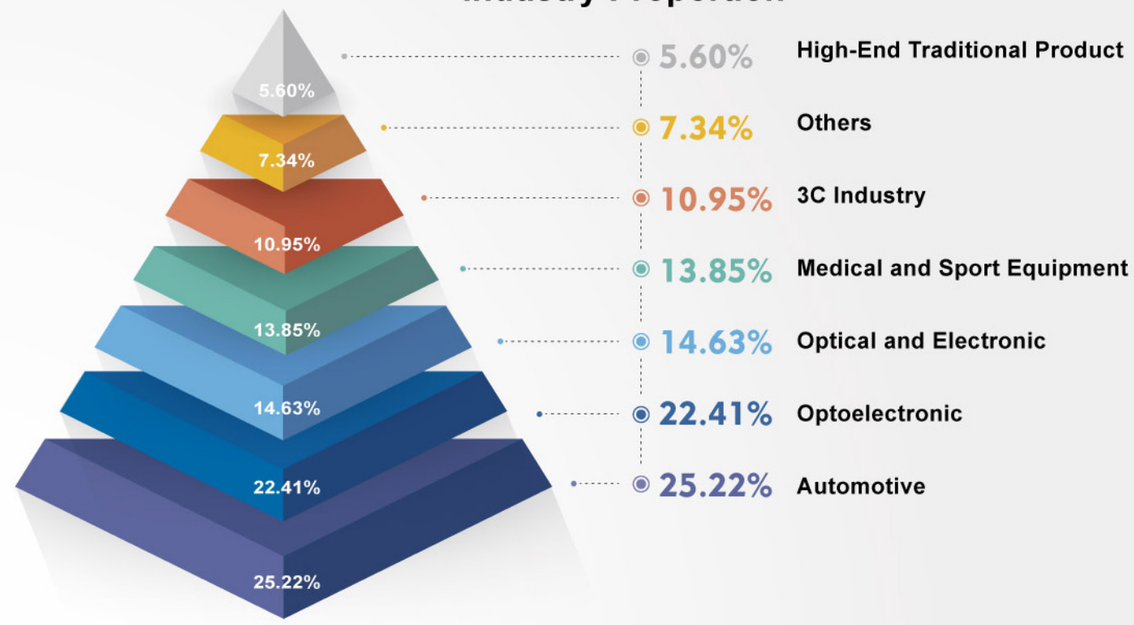
Our vision - "In 2030, the revenue will reach 1 billion Taiwan dollars, and it will be a backbone enterprise in Taiwan".
As long as we meet the needs of the customer, the vision is coming.
What are the needs of existing customers now? What are the needs of existing customers in the future? What are the things that customers need in the future? Finding the answers to these questions is our mission.
In addition to our "material supplier" role, we have to start focusing on "outstanding" characteristics, because good customers are committed to making themselves outstanding and they will also look for outstanding partners.

Value

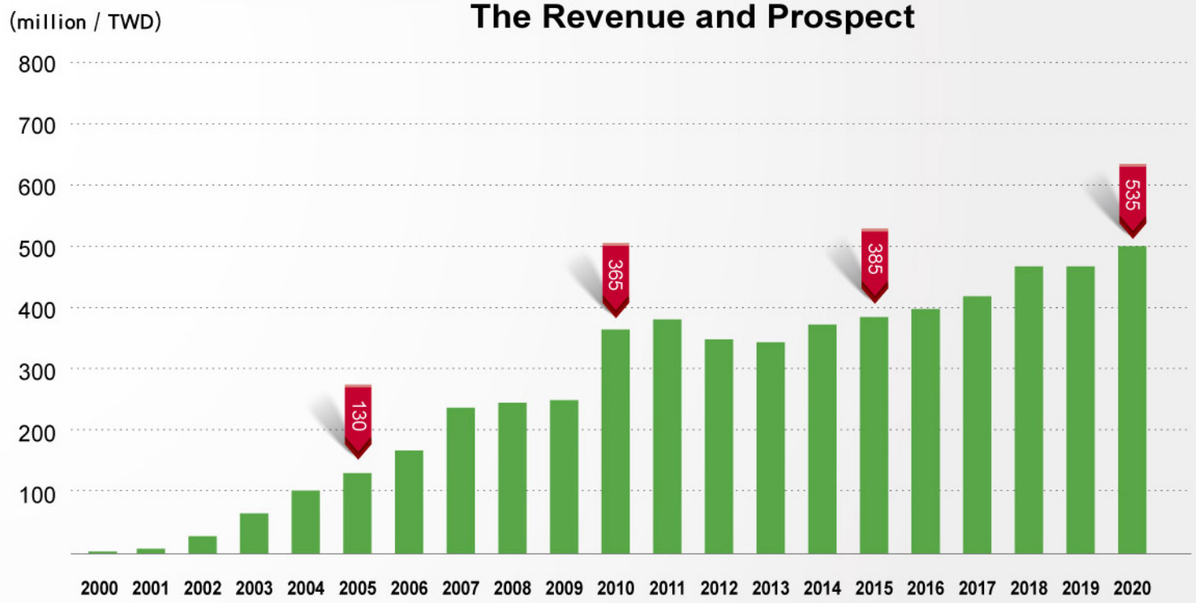
Our value - "Research, Innovation, Dedication, Value"
Research and development at work, create new patterns and models that contribute good values to society.

EVERWIDE
Everwide Chemical Co.

Industry Proportion



The Revenue and Prospect



Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Revenue (million)	4	10	31	65	105	130	168	240	248	249	365	382	347	345	375	385	398	420	467	467	535

Expected Revenue and Growth

Year	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Revenue (million)	750	680	740	790	800	890	930	1,000	1,060	1,300

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Everwide Chemical Co.

Product Category

01 Epoxy Resin

Epoxy resins are widely used in many industries, its has good adhesion properties to many substrates such as steel, metal, plastic, etc. Especially for electronic component applications such as bonding, reinforcement,casting, conformal coating, etc., Everwide also provide high-quality of customized services.

02 Photo-Curing Adhesive

Photo-curing adhesive is a one-component adhesive. It can be cured with ultraviolet radiation without heating. It is not only has the characteristics of fast curing in just a few seconds but also suitable for bonding and sealing of various kind of substrates, such as glass, plastic, metal, wood, etc.

03 Modified Silicone

The main chemical structure is MS resin (STPU), which is suitable for inorganic materials (metal, glass, ceramics, etc.) and organic materials (type of plastic) applications. This series of products has excellent bonding performance for plastic substrates, it can improve the weakness of normal silicone on the plastic bonding. The surface drying time is about 3 to 10 minutes at room temperature, which is a very cost-effective and high performance adhesive.

04 UV Pressure Sensitive Adhesive

Ultraviolet pressure sensitive adhesive (UV PSA) exhibits high-temperature and high-tacky stability. It applies to the adhesive tapes and it is used for various fields by various thicknesses. After curing by UV irradiation, it has high transparency, high flexibility and high initial viscosity. The product has several features: good adhesion, environmentally friendly, excellent viscosity,maintains good strength at high temperature of 70 °C. UV PSA are being used to replacing the traditional solvent-based pressure sensitive adhesive.

05 Structural Acrylic Adhesive

The two-component acrylic-based adhesive of cured at room temperature. This resin has excellent adhesion to different substrates, especially low surface energy materials such as polyamide (PA) polypropylene (PP), polyethylene (PE) and thermoplastic polyolefin (TPO).No special surface treatment is required. It only takes about 1-2 days to complete the excellent bonding strength. This adhesive has excellent thermal stability, chemical resistance, water resistance, and low-odor.

Industrial Application

Automobile and Motorcycle / Optoelectronics / Electronics /
Medical and Sports Equipment / Micro-motors and Heavy Motors

Potting Adhesive for Electronic Components of Automobile and Motorcycle

01

- Potting of LED car lamp application
- Parking sensor and image display module application
- Potting of wireless Tire-Pressure Monitoring System (TPMS) application
- Encapsulation of smart anti-glare rear view mirror application
- Application of autopilot optical radar module
- Potting of waterproof cables and waterproof joints application
- Full application of electric vehicle motor application
- Sealing for waterproof of automotive relay application

Encapsulation Adhesive for Optoelectronic Industry

02

- Adhesive for sealing photoreceptor drum application
- Fixed adhesive for optical sensor module application
- Bonding application of voice coil motor
- Low-temperature processing adhesive for fingerprint identification module application
- Full application of monitoring and camera optical module
- Application of LCD encapsulation and shading
- Application of LED chips encapsulation
- Application of Mini & Micro LED module encapsulation
- Application of LED lighting module
- Application of optical fiber connector industry
- Water-soluble temporary bonding UV adhesive for the processing of optical glass

Encapsulation Adhesive for Electronic Components

03

- Application of Mini & Micro inductor industry
- Application of waterproof joint sealing for connector
- Relay and micro switch industry application
- Application of cable reinforcement for signal connection
- Application of micro-speaker and earphone industry
- Application of various-usage sensors encapsulation
- Application of piezoelectric ceramic
- Encapsulation of micro transformers application
- Encapsulation of smart cards application

Structural Adhesive for Medical and Sports Equipment

04

- Application of medical devices bonding adhesive
- Application of injection needles bonding
- Application of bicycle industry

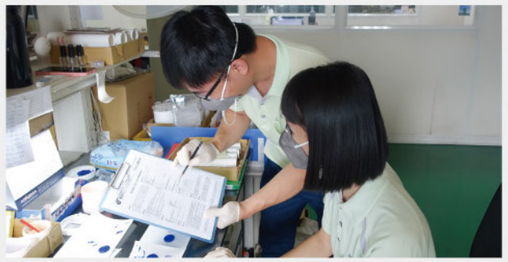
Thermally Conductive Potting for Micro-electromechanical, Heavy-electromechanical, and Structural Adhesive

05

- Application of micro motor bonding
- Application of radiator fan reinforcement
- Application of ultrasonic oscillator bonding
- Application of electromagnetic brake potting
- Application of submersible motor potting
- Application of drone motor bonding

Research and Development

Our R&D team has the professional chemical engineering background.
The R&D department accounts for 40% of the total number of employees and the company will allocated 10% of the annual surplus for R&D expenditure.
Our R&D instruments are widely used in academia and can provide credible data in scientific journals for R&D personnel reference. Everwide has professional R&D personnel to help you solve problems.
If the existing products cannot meet your requirements, we can specially make products for you to achieve your requirement.
Everwide always believe in "research, innovation, dedication, value"



Project Development Process

Research and development progresses sometimes smoothly but sometimes faces the big challenges facing the unknown journey, we move forward with a rational decision step by step.

1 **Customers offers their needs and require the project development**

Customers often fail to meet the requirements due to factors such as cost, delivery time, performance, etc. Therefore, we are required to develop "similar products" or develop special formulas for new applications.

2 **R&D/Sales will confirm whether there is a suitable existing product for customer needs**

Sometimes, our existing products would meet the needs of customers, help customers saving their time for testing.

3 **Relevant members participate feasibility analysis of the project**

According to the market, cost, technology, process, raw material acquisition, etc., we will evaluate whether we can do on a case by case.
The relevant information is recorded in the internal form of Everwide.

4 **Analysis competitive product**

In the case of the project need to develop the similar products, we would need customers to provide competitive products for us to analyze. Comparing the technical data will have a large deviation and took a lot of time to be done.

5 **Testing sample in laboratory**

The laboratory follows the requirements of competitive product analysis or new application and blends the appropriate composition. After analysis sometimes the characteristics of each composition will meet the customer's needs, but there may also have some features that do not meet customer requirements and will not be discovered in the laboratory stage.

6 **Offering product samples to customer**

Samples are tried on the client side, and this step will be the key to defines the project's success or failure. Through multiple trials, we would be able to grasp the cause of problems. Then we will discuss with our customers for finding the best solusion, such as customers would change the design or Everwide would adjusts the formula of product.

7 **Modify the formula according to the trial results**

When the test results show that the performance of the sample is not good, we will consider new conditions and adjust the formula, then carry out trial production to verify whether the direction of modification is correct or not.

EVERWIDE
Everwide Chemical Co.

ENHANCING THE VALUE

Enhance the value and creating win-win situations

CREATING WIN-WIN SITUATIONS

R&D Introduction

Lab 1

Specializing in the development UV adhesive,silicone and modified silicone for electronic application:

1. Application of cable reinforcement for signal connection
2. Bonding adhesive for battery module application
3. Application of micro-speaker module
4. Application of optical lens module
5. Application for temporary fixed of optical lens
6. Fiberglass cloth side fixing application
7. Application for printing texture of the anti-counterfeiting label
8. Application for 3D printing
9. Application of electric locomotive control panel
10. Application for bonding adhesive of medical mask

Lab 2

Specializing in the development UV adhesive, UV Pressure Sensitive Adhesive(UV PSA), Two-component acrylic resin application for low surface energy materials. The products are widely used:

1. Glass art, glass furniture
2. Plastic arts and plastic gifts, PET boxes
3. Adhesion, coating and molding of PVC film
4. Bonding material of the micro-speaker in 3C products
5. Anti-fog PET film
6. Application in optical film
7. Various kind of adhesive molding are set in the IMD film
8. Optical lens module
9. Application of elevator buttons
10. Appearance application of home appliances
11. Application of PP material for interior parts of automobiles and motorcycles
12. Application in narrow border of LCD display module
13. Casing of the photoelectric VR/AR
14. Application of ship structural parts

Lab 3

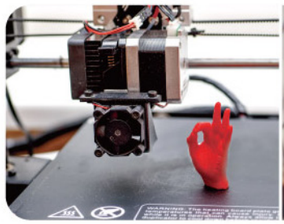
Focus on development of One component and Two component epoxy resins. The products are widely used:

1. Optical lens module C-MOS, CCD module application
2. LED chip encapsulation and module potting
3. Photoelectric and motor parts of automotive sealant and waterproof application
4. Cooling fan electric motor application
5. Bicycle and sport equipment application
6. COB process of circuit boards, red glue for temporary fixing of parts for SMT double-sided process, BGA and CSP flip-chip underfill glue
7. Precision assembly of photoelectric conversion core components
8. Optical communication optical fiber connector assembly, optical signal amplifier assembly, assembly of conversion components
9. High-temperature two-component, one-component, and non-reactive thermal conductive paste for high-heat components
10. Waterproof joint application in automotive and aircraft
11. Laminate flooring application
12. Quartz wafer stacking

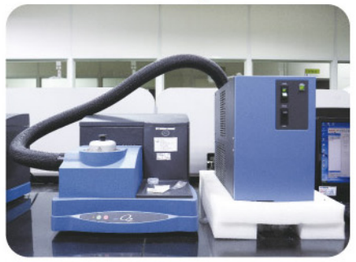
Lab 4

Focus on the research and development of composite materials, electricity potting, powder metallurgy for epoxy resin applications such as inductor cores, the developed product applications include:

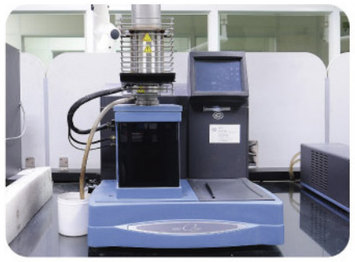
1. Carbon fiber, glass fiber prepreg forming (impregnated resin, winding resin, hand layup resin, RTM resin)
2. Insulation potting resin for large types of motor components
3. Inductor iron core magnetic components precision press molding resin
4. Composite materials foaming resin
5. Carbon fiber adhesive sheet for bicycle
6. Chemical plant pipeline maintenance
7. The urban drainpipe repairing project flip and fit the resin to water pipe




Thermal Analysis



▲ Differential Scanning Calorimeter (DSC)

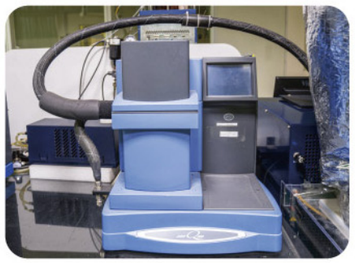


▲ Thermomechanical Analyzer (TMA)

▲ Thermogravimetric Analyzer (TGA)

▲ Thermal Conductivity Analyzer (TCA)

▲ Modulated Differential Scanning Calorimeter (MDSC)



▲ Dynamic Mechanical Analyzer (DMA)

Environmental Aging Analysis

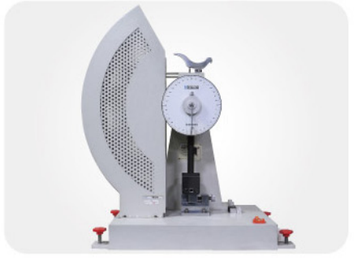
▲ Thermal Shock Tester

▲ Temperature Humidity Chamber

▲ Salt Spray Tester

▲ QUV Accelerated Weathering Tester

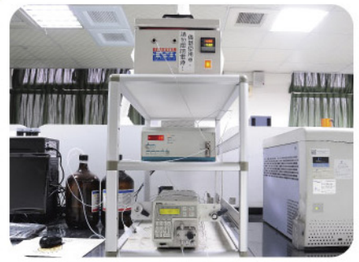
▲ Pressure Cooker Tester



▲ Impact Tester

Chemical Structure Analysis

▲ Fourier Transform Infrared Spectroscopy (FTIR)



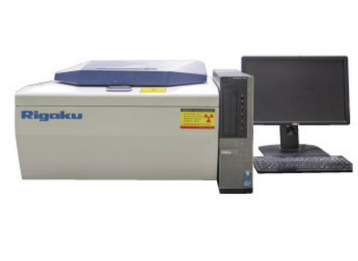
▲ Gel Permeation Chromatography (GPC)

Strength Analysis

▲ Universal Testing Machine (UTM)

▲ Gas Chromatography-Mass Spectrometry (GC-Mass)

▲ Advanced Polymer Chromatography (APC)



▲ Energy Dispersive X-ray Fluorescence (XRF)

Electrical Analysis

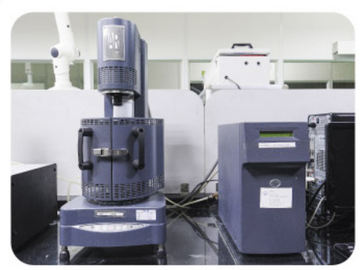
▲ Super Megohmmeters

▲ Dielectric Analysis

▲ Comparative Tracking Index (CTI)

Fluid Properties Analysis

▲ Viscometer



▲ AR Rheometer

Process Simulation

▲ Dispensing Machine

Manufacturing Process

Production / Packaging / Warehousing / Shipping

Weighing and Unloading

Stirring (Heating)

Grinding and Dispersing

Vacuum Defoaming

Quality Control Inspectors

Big Package

Filtration and Packaging
(Finished Product)

Sealling

Labelling

Warehousing

Shipping

Packaging
(Bags, Boxes)

Small Package

Filtration and Packaging

Centrifugal Defoaming

Labelling

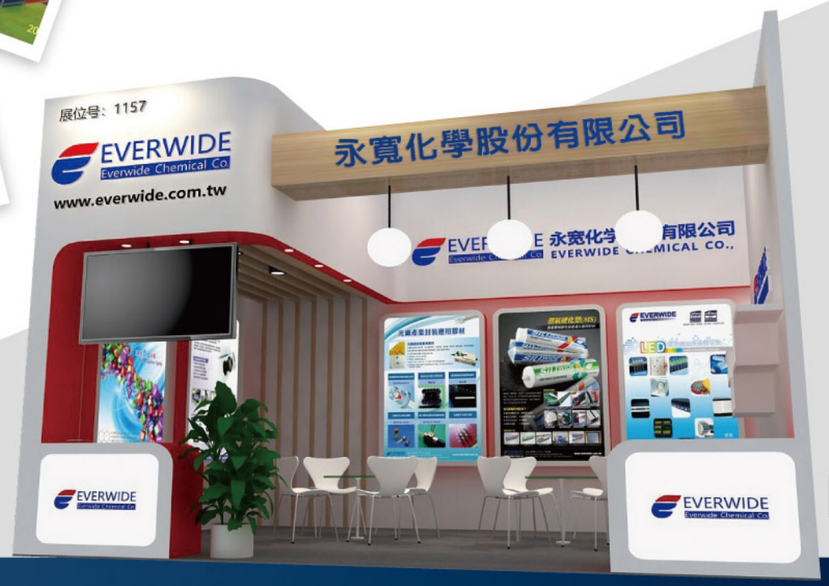
Environmental Sustainability

Global climate change is one of the biggest challenges of the world now. Energy efficiency, carbon reduction and reducing greenhouse gas emissions have become key issues. Understanding that meaning, Everwide has built a beautiful garden where planting a variety of flowers and trees, which not only beautify our landscapes, but also maintain a balance of oxygen and carbon dioxide in the atmosphere. We also installed solar panels on our building roof, which can generate usable electricity and cut down carbon emissions. In addition, the metal roof is coated with thermal insulation paint to form a thermal insulation layer on the surface to reduce the temperature and energy consumption. An activated carbon adsorption tower also seted up to purify the exhaust gas in the operation area before discharge it into the atmosphere. We continue to reduce carbon for the contributing coexist sustainably of people and the environment.

E-paper and Exhibitions

Everwide has the online newspapers for the purpose of providing information inside and outside the company to colleagues. When editing the contents, we asked ourselves: What is the value of dedicating on this article? There are two units of R&D and knowledge sharing. Readers might have the questions: Are you not afraid of technology outflow to competitors? In fact, knowledge sharing is beneficial to the development of the industry and allows everyone to work more effectively; There are many problems to be solved in the market and it is rare for the same technical capabilities conflicted. The real difficulty of R&D lies in the unknown field. In addition, by sharing how we living would help we explore new models in our work and readers can refer to apply to their work. These revelations also make us think about when there were only a dozen employees in the copmany, how we could delivery of information feaster and to make the internal communication better. For these reasons, Everwide decided publishing online newspaper. We believe that these experiences and sharing will creat great value, allow everyone to transcend the narrow definition of work and make the working in the company have a different meaning.

From domestic exhibitions to international exhibitions, we hope can make visitors feel differently way about Everwide.



Employee Development and Benefits

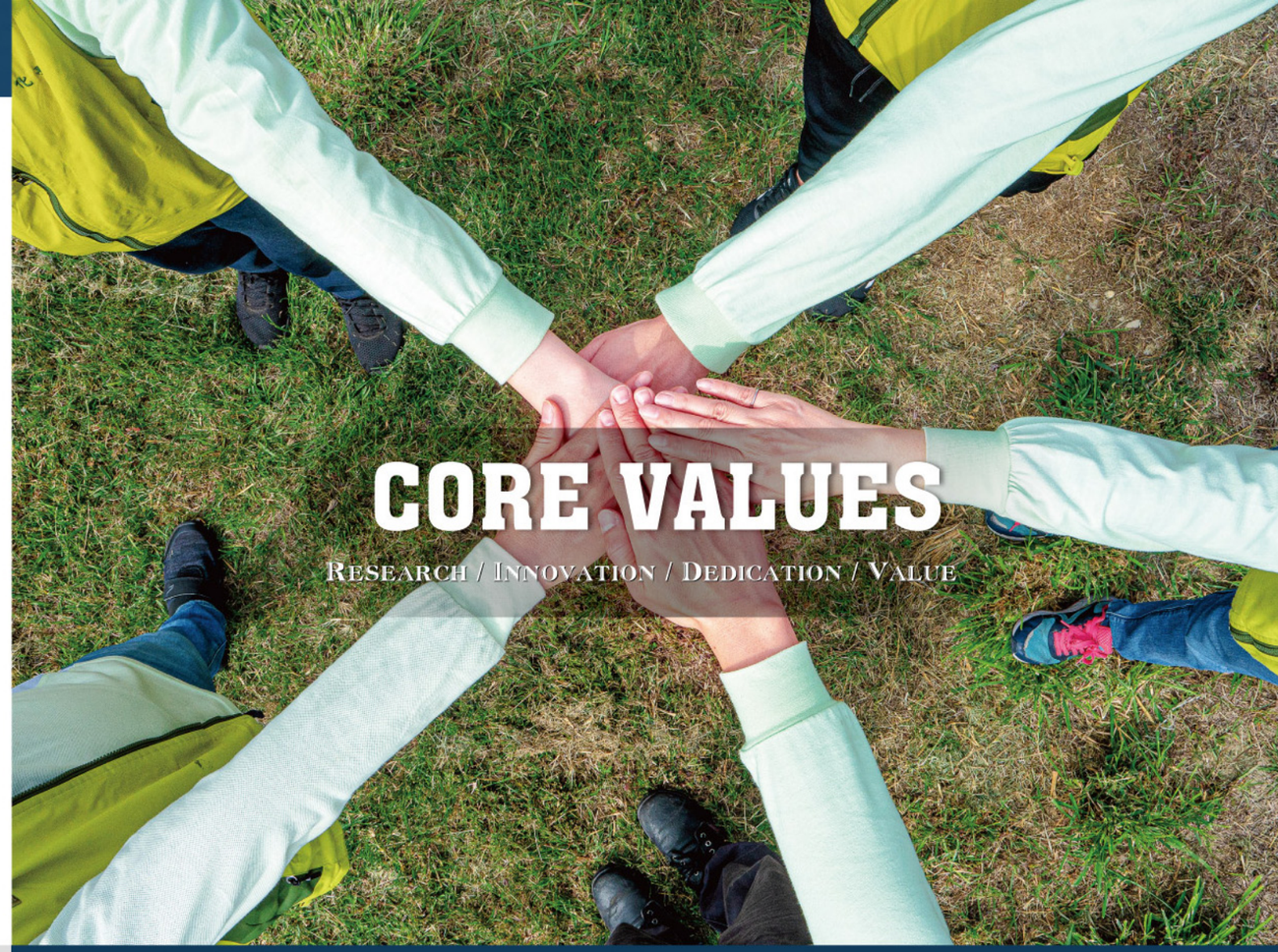
Everwide Chemical is a backbone enterprise which very similar to the school's characteristics and we place great emphasis on education and training. Since 2012, the staff of the R&D department has held nearly 30 training courses every year. The training courses allow everyone to " sharing what you know" and also "knowing what others know ", which is also the key meaning of the class.

The R&D department also has a new product project research conference held once a month, which has been running for more than ten years. After we gather all the R&D together, some of R&D will come to the stage to report and share their research results, through such experience and skills sharing can save other colleagues days of groping process. This is the sharing spirit of the new project research meeting. Because such activities are very beneficial so we will pay more attention to the content and reporters have shared reports with the heart.
Now in addition to the R&D department, the course has been extended to the quality management courses of the manufacturing department, the publicity of labor safety knowledge training and machine operator training skills, finance and import and export courses of the administrative management department, and the business skills and exhibition observation of the marketing department, the quality control technology and execution of the quality assurance department. The entire company is immersed in the atmosphere of knowledge improvement and technology inheritance.

The purpose of the training course plan is to hope that employees will learn and grow together, thereby improving the efficiency of work and building professional quality. Everwide also has a library which have thousands of books of various types, including chemistry, psychology, literature, philosophy, management, children's books, research papers, and various types of journals.. …. Employees can register and borrow by themselves.

We also focus on the safety and health of employees. In addition to the annual employee health inspection activities, we also arrange regular special nurses and professional doctors to provide health consultation services, regularly hold different themes of health education and publicity lectures to increase the daily life of employees. Moderate arrangement of leisure activities can relieve stress and increase the relationship between employees. The Employee Welfare Committee regularly plans various activities, such as employee dinners, New Year's Eve Dinner, employee travel. Let make the workplace become home of employees.



Social Welfare (Corporate Social Responsibility, Public Welfare Activities, Industry-University Cooperation)

Since 2017, Everwide Chemical has known as the company responsible for maintenance and cleaning in Douliu Industrial Zone. Every month, we will arrange a company volunteer to do cleaning work.
In addition, we also have the activities of picking up flotsam on a section of the Yunlin coastline every six months, which purpose is maintaining a beach cleaning and clean up precious hermit crab ecological coastline. After a few years of hard work, the roads and beaches are much cleaner, which makes us very happy.

Everwide also continuing to sponsor the school's scholarships, donations to disadvantaged groups, subscribe for tickets for performances by caring cultural groups and baseball exhibition games. The company's group meals and gifts for the festivals, all take the initiative to buy food ingredients and food with love. Because it is located in an agricultural county, Everwide also took the lead in purchasing agricultural products from local farmers to share and give back to Everwide Chemical Co. 's customer.

Since 2010, Everwide has cooperated with several local colleges and universities to organize industry-university cooperation projects. The purpose is to allow interns to escape the enviroment of the school and participate in the actual operation of the industry. Cultivating practical skills with the workplace, prepare for the future development of individuals. We hope such activities can help young people integrate into the industrial production chain better.

Everwide also hopes that social feedback activities will be more diverse and warm in the future , and can truly help the disadvantaged groups in need of assistance.
We also try our best to take root in local educational institutions, so that the educational resources of local primary and middle schools can keep up with the standards of big cities. It is expected that this model can get the active participation of all employees, so that such activities can be expanded indefinitely.