Since 1973

Professional Terminals and Connectors Supplier



KST™
Future Connection

CORPORATE PROFILE

K.S. TERMINALS INC.

Future Connection
www.ksterminals.com



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Managing Philosophy

In 1973, with only a capital of 3,000 NTD, three brothers founded K.S. TERMINALS INC. (abbreviated as KST) under the original name K.S. INDUSTRY CO. in a small family factory spanning less than 20 square meters. In the beginning, KST focused on OEM business, but due to the aftermath of the 1973 Oil Crisis and domestic inflation, the start-up soon underwent tremendous hardships. Despite this, the founders never gave up and upheld their philosophy of " Integrity First and Quality First, " to overcome all challenges and economic crisis. Today, KST has achieved brand awareness, establishing themselves as a leading position in the terminal and connector industry.

Looking over the past 40 years of development, K.S. TERMINALS started out as an OEM for electrical terminals and eventually branched out into lighting systems, communication components, automotive connectors, green energy connectors, wiring accessories and application tools.
Maintaining the management philosophy of " Honest, Unity, Quality, Research, and Strive, " KST continued to expand product line and increase sales and revenue. Through strict quality control, standardized procedure, robotized manufacturing process, and fast automated storage and retrieval systems (AS/RS), KST aims to provide the best quality, fastest delivery, and most satisfactory service for global customers.

Looking into the future, KST continued to invest in research and development in order to create innovative products and process technology. In addition, KST actively expanded the terminal and connector products in new energy sources, electric vehicles, rail transportation, network communication, and other industries. Through advanced process technology and engineering services of design, KST aims to speed up the processes of innovation and market expansion in order to be a world-renowned brand amongst connector manufacturers and a preferred partner by all customers around the world.



President
Kur-Bin, Cheng





Unity



Quality



Research



Strive



Product Application



Machinery & Equipments

The KST products for machinery and equipments industry support a series of quick-connect terminals for automation equipment, machine tools, audio control unit, and other electromechanical devices.
The products also support not only a complete range of size and insulation materials, including PVC, PA66, PC, and so on, but also different surface treatments, including tinning-plated products or high durable materials such as gold plating and silver plating.



Infrastructure

The KST products in infrastructure support a series of non-insulated copper terminals for the power supply system, including electric power plants, power transmission equipment, transformer stations, and transformer boxes of factories and houses. The applicable wire gauge spans from 0.5 square mm to 325 square mm, and the withstanding current capability can go up to 690 amperes. All products have received UL certification.



Transportation

The copper tube terminals with various sizes and specifications can be applied in transportation constructions widely, such as electric devices in high-speed rails and urban rapid transit, the electric power transmission of general railways. KST also provides various products, including single-trapped-hole, double-trapped-hole, and other types with 45 degrees or 90 degrees. In addition, KST manufactures customized copper tube terminals in accordance with customers' requirements.



Shipping

The severe environment of the marine industry demands for the highest reliability and weather resistance of cable tie products. The series of stainless steel cable ties have received ABS and DNV certifications, and they can be applied in airplanes, mining engineering, and drilling platforms. The steel-ball cable ties can provide more efficient bundling performance. In addition, KST also supports the stainless steel cable ties with special surface treatment for strong-acid or strong-base environments such as the chemical engineering industry.

Our Advantage

- Professional Research and Development; advanced manufacturing technology
  KST is committed to the research and development of new products and automation. To strengthen the design, simulation, and analysis abilities for products, die, and jig equipment, KST applies not only engineering drawing software such as AUTOCAD, Pro-Engineer, Uni-Graphic, ABAQUAS, etc., but also CAD/CAM and other computer-aided design systems. Furthermore, KST introduces the PLM system to shorten product development cycle and to increase the management efficiency of engineering data.
- Strict quality management system
  Whether the assessment of suppliers and purchasing of raw materials or the manufacturing process and product delivery, KST has established a solid quality system from supplier audit, IQC, IPQC to FQC. The system also launches the design analysis software, and SPC System in order to provide stricter quality control. In addition, KST has acquired ISO 17025 certification and UL qualified independent testing laboratory qualification. Therefore, the laboratory can provide accurate testing reports in the shortest time to fulfill the product verification, reliability test, failure analysis, and other testing requirements from customers.
- Perfect Management System and Product Certification
  KST has acquired ISO 9001, ISO 14001, QC 080000, JIS, TS16949, ISO17025, and other international certifications to cover the corporate governance, factory operation, quality assurance system, and product certification. To provide the most reliable products and services, each series of products has passed the main certifications of UL, CUL, CE, TUV, DNV, ABS, CQC, RoHS, and the third-party certification system.
- Excellent One-Stop Service
  KST supports more than 20,000 products, including terminals, connectors, wiring accessories, crimping tools and devices, and so on. They can fulfill the requirements of various industries such as electronic machine, power supply, network and communication, transportation, appliance and air control, vehicle, medical instruments, etc.



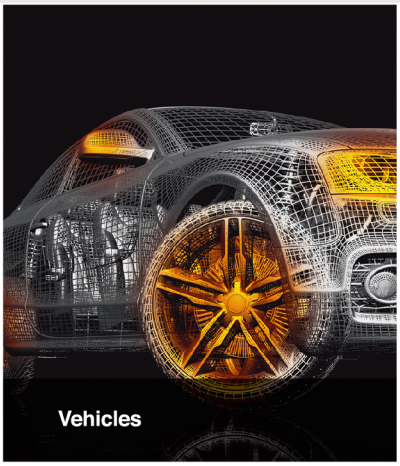
Agricultural Machinery

All electric agricultural machineries, electric scooters, electric forklift, and uninterruptible power systems (UPS) are compatible with the KST battery modular connectors.
For the 1 Pole and 2 Pole connectors, the adaptable current is 15 ~ 350 amperes, and can withstand up to 600 volts. Moreover, KST has developed waterproof connectors with ingress protection ratings of IP67 that are suitable for various outdoor environments.



Distribution Project

Nylon cable ties and related wire accessories have been widely applied in factory operations, industrial wiring, and house wiring engineering. The KST nylon cable ties support a complete range of specification. For excellent tightening ability and durability, these products use nylon raw materials from world-class suppliers and do not utilize any regrinding resins. In addition, the UV resistant type and low temperature resistant cable ties can be used in outdoor or harsh environments.



Vehicles

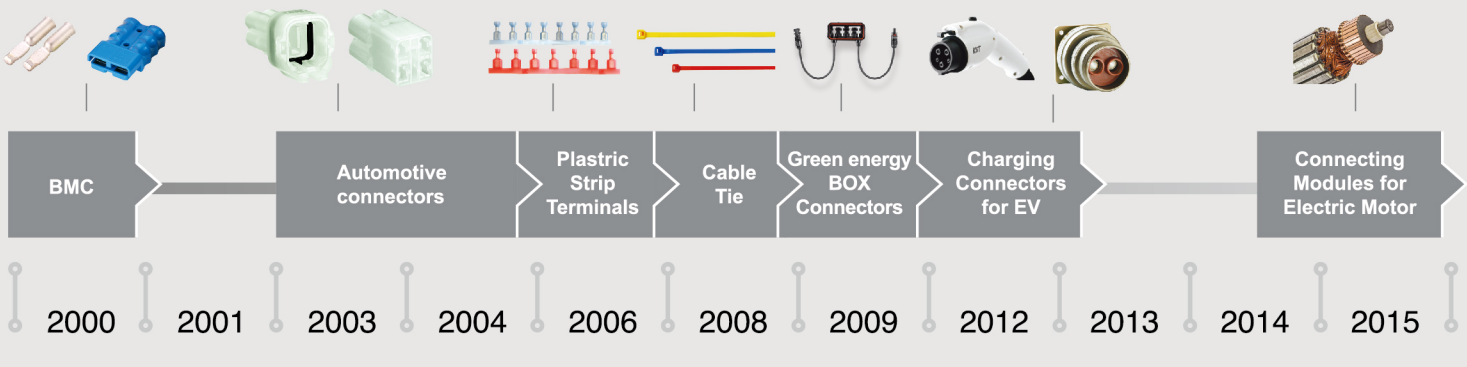
From design of product and mold, reliability verification, die process, sample testing to mass production, KST builds consistent production process in vehicle connectors which are fully applied to the ISO/TS 16949 Quality Management System.
Also, KST introduces the automated production and CCD automatic inspection equipment for mass production in order to assure the stability of manufacture quality.



Green Energy

KST provides complete quality assurance systems for products used in the solar industry such as solar PV connectors, junction boxes, and wind power connectors, etc.
All of these products have passed TUV certification. These series of products can provide not only better design solutions for solar modular manufacturers, but can also be applicable in the establishment of integrated solar power plants.

Product Development Roadmap



Automotive Connectors

Automotive connectors provide the signal connection and power transmission for vehicles. They are often applied in the connection between bundles of wires or the conjunction of a bundle of wires and electric part. Well-designed and manufactured connectors lead to simpler vehicle assembly and easier circuit maintenance. Moreover, they can provide excellent reliability and safety in outdoor environments for a long time.



Automotive Connectors



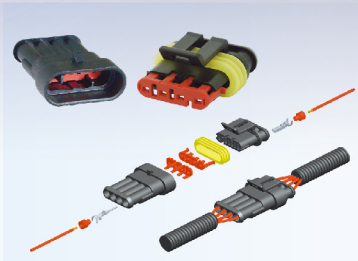
Small Waterproof Connectors

For light-weight applications, KST has developed subminiature multi-pole waterproof connectors with IP67 rating. These small connectors apply the multiple-latch locks to enhance the stability of conjunction with other products, and adapt integrative seal ring to shorten the gap of terminals to 2.0 mm. They are the smallest waterproof connectors in the existing market, and they can be applied in the LED lights of vehicles or small heat dissipating devices in outdoor environments.



ECU Connectors

The era of low-fuel consumption for vehicles has come. The key point of fuel consumption is the vehicle engine. Thus, through strict testing, KST has developed waterproof multi-pole ECU connectors. The terminal body adapts high strength and high temperature resistant materials capable of withstanding the strict vibration test. They can be applied in engines or other vehicle control systems because of their excellent environmental reliability.



Waterproof Connectors

Standards and safety requirements in the automotive industry are continuously updated and the KST waterproof connectors are further developed to fulfill these requirements. For example, the waterproof connectors have gone through rigorous testing which enforce stricter conditions than the IP67 standard of IEC 529. The series of 060 waterproof connectors are the best solution applied in HID headlight and other transducers because of their excellent waterproof capability.



Charging Connectors (Charging Guns) for Electric Vehicles

As concerns environmental protection, Green energy vehicles have been heavily promoted and are leading the change around the world. KST has developed numerous charging interfaces that have undergone main testing standards such as UL 2251, SAE J1772, IEC 62196-2, GB 20234, CNS 15511, etc. Consequently, they acquired certifications from TUV, UL, CNS, CQC, and designated third-party institutions.



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Security







KST has acquired ISO 9001 and ISO/TS 16949 certifications in quality system, RoHS and IECQ 080000 certificates of hazardous substance process management, and the ISO 14001 certificate of environmental management.

The EV charging connectors (charging guns) acquired a variety of certificates, including TUV, UL, CQC, and CNS in 2015.

TUV Certified

Green Energy Connectors

Power generating set in the green energy industry should use reliable and durable connectors. The KST green energy connectors comply with the requirements of power supply equipments, transformers, and power storage systems.



Green Energy Connectors

Battery Connectors

Outdoor green energy power supplies and generators, such as the mobile solar power generators and offshore wind power generators, require higher conductive capability and protection level for battery connectors.
The KST battery connectors have passed UL 1977 certification and can be used in high current transmission. In addition, the waterproof battery connectors are in full compliance with IEC 60529 IP X7 waterproof requirements.

Solar Connectors

Solar connectors are widely used in series or parallel solar modules and the conjunction of inverters. The KST solar connectors are suitable for all types of junction boxes and inverters. All KST solar connectors meet the criteria of EN 50521 standards.
They are TUV certified and have been upgraded to IEC60529's ingress protection rating of IP68. The body and terminals of each solar connector use the new patented design which has been patented in Taiwan, China, America, Europe, Japan, and so on.

Small Solar Junction Boxes

Solar power can be integrated with constructions and substitute the partial energy consumption of buildings.
The KST side-edge solar junction boxes can be applied to solar glass curtains or corrugated sheets of buildings.
The junction boxes not only meet the EN 505481 standards but also are TUV certified.
We Can produce customized products for different electricity capacities.

Economical Solar Junction Box

The solar junction box of universal solar modules is widely used and is in high demand. KST has minimized the scale of solar junction boxes for more efficient usability.
These improvements can support more economical solar junction boxes from various solar module manufacturers. In order to assist customers' unique requirements, KST also provides total solutions for products and engineering services.

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KST has acquired ISO 9001 and ISO/TS 16949 certifications in quality system, RoHS and IECQ 080000 certificates of hazardous substance process management, and the ISO 14001 certificate of environmental management.

E131576

E131576
E306645

The battery connectors acquired both UL and CUL certificates.
The solar connectors and related products acquired TUV certificate.

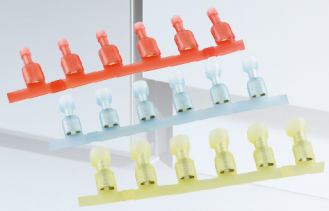
TUV Certified

Electrical Terminals

Electrical terminals are extensively used in everyday life as well as in various industries. Electrical terminals are mainly used for electric power distribution, including connections between power suppliers and the bridges between electric wires. High-quality electronic terminals provide safe living environments and reduce power consumption during transmission.

Electrical Terminals









Waterproof Connectors

We combined waterproof terminals with heat-shrink tubes to develop reliable waterproof connectors. Our innovative waterproof connectors efficiently help protect the crimp connection of electric wires from water corrosion. In order to increase the reliability in outdoor or moist environments, KST enhanced the withstanding voltage and connection strength after crimping. The products are UL certified and fulfill UL486 standards.

Continuous Insulated Terminals

Continuous Insulated Quick-Connect Terminals can be used with semi-automatic or fully automatic wire crimping machines to speed up wire bundling process and reduce the cost of factory. In addition, KST provides continuous insulated terminals with the alternatives of pre-plating and post-plating process.
KST also supports crimping machines and related die products that comply with most manufacturers' automatic wire crimping and stripping machines.

High-Current Terminals

By adapting high conductivity copper materials and plating bright tin, our copper tube terminals have excellent antioxidant and corrosion-resistant capacities.
They are ideal for high-current wires connected to the terminal device, such as communication stations, high-speed rails, electric storage, etc. These copper tube terminals support a full range of sizes and specifications, fulfill UL486 standards, and have received UL certifications.

Quick-Connect Terminals

In the Industry 4.0 era, there is higher demand for automatic machines and IoT equipments.
The KST pre-insulated quick-connect terminals support a variety of insulation materials and connectors to meet the requirements of numerous automatic machines.
The series of connectors meets both UP 310 and UL 486 standards, and are UL certified. KST also carries well-matched crimping tools for them.



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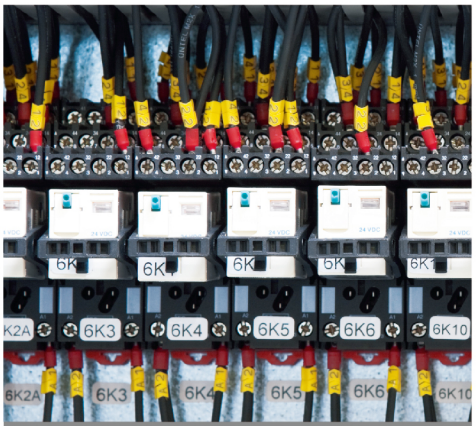


KST has acquired ISO 9001 and ISO/TS 16949 certifications in quality system, RoHS and IECQ 080000 certificates of hazardous substance process management, and the ISO 14001 certificate of environmental management.

The series of electrical terminals acquired a variety of certificates, including UL, CUL, RU, and CRU.

E96029 E128651 E3689 LR83574 E131576 E131576 E306645

Wire Accessories

Wire accessories have become an essential part in wiring and beautification work. The KST cable tie products can support low-cost and convenient bundling functions which are utilized in numerous fields such as daily necessities, industrial facilities, architecture, design work, factory operations, and much more.

Wire Accessories



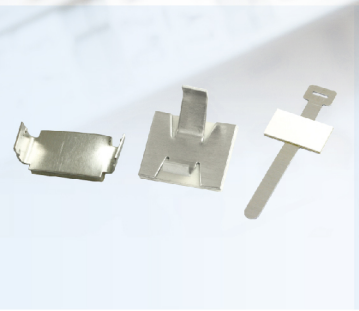
Nylon Cable Ties

The KST cable-tie series support a full range of specifications. They can meet customers' different requirements of styles, tensile strength, width, materials, colors, and use conditions.
All the general cable ties series are UL certified. We also supply other accessory products and bundling tools.



Stainless Steel Cable Ties

Metal ties provide a higher bundling capacity than nylon cable ties. The stainless-steel materials have better corrosion-resistant capacity.
KST supports a full range of stainless steel cable ties from which customers can choose various sizes, specifications , and different stainless materials.
Additional surface treatments can also be applied on stainless steel cable ties to enhance corrosion resistance and edge protection capacities.



Aluminum Sealing Clips

Our shapable aluminum sealing clips allow customers to easily fix a variety of thin wires with the easy-to-adjust shape and high adhering ability. They feature double-sided 3M adhesive tape on the back to ensure stable stickiness and excellent durability.
KST also provides other functional accessories for different requirements such as wire ducts, tie mounts, hook and twist type ties, cable clamps, heat shrinking tubes, and related tools.



Application Tools

We provide a complete range of corresponding tools for the application of electrical terminals, automotive connectors, wiring accessories, and other tools.
These crimping and stripping tools are classified as simple manual tools, heavy oil-pressure tools, quick semi-automatic tools, and fully automatic tools. It's also our professionalism to provide well-matched tool solutions for customers.



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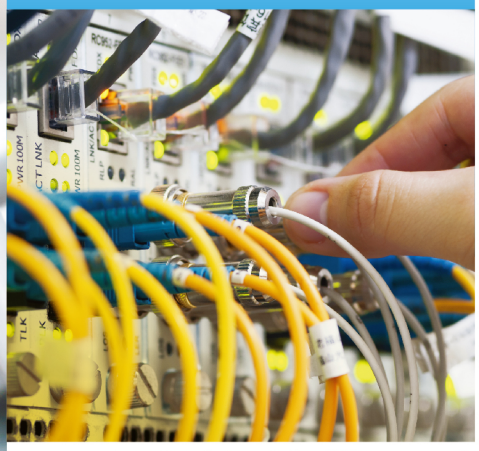



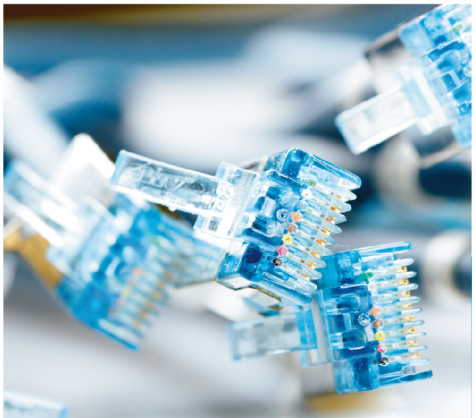

KST has acquired ISO 9001 and ISO/TS 16949 certifications in quality system, RoHS and IECQ 080000 certificates of hazardous substance process management, and the ISO 14001 certificate of environmental management.

The products of nylon cable ties and stainless steel cable ties acquired the certificates of UL, CUL, DNV, and ABS.

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Factory Overview

Factory Process - Terminals and Connectors

K.S. TERMINALS is equipped with high-speed punching machines for better production efficiency and uses high-rigidity molds to extend the life cycle of stamping dies. Moreover, KST introduces CCD automatic inspection system for real-time continuous monitoring of dimensions and cosmetics during manufacturing process.

At K.S. TERMINALS, we possess all kinds of equipments for plastic products, including injection molding, extrusion molding, insert injection molding, and micro-injection molding, along with the capabilities to design, develop, and process the dies for injection molding.

KST automation team aims at developing a variety of automatic equipments for mass production or customization, including automatic detection, feeding, packaging, and automatic assembly, as well as automatic cutting and processing, along with other manufacturing processes. Our automatic equipments can increase productivity and reduce the load of labors, and furthermore they can avoid man-made errors and reduce product's defect rate and loss rate.

Stamping

Less than 40 ton: 7
40 ~ 60 ton: 28
61 ~ 100 ton: 3
More than 100 ton: 2
300 ton: 1

Welding, Annealing, and Plating

KST electroplating factory is located in the national industrial zone. It supports fast, high-quality electroplating surface treatments. Production processes are in full compliance with government environmental regulations and emission standards for industrial areas.

Injection Molding

Less than 100 ton: 12
100 ~ 200 ton: 10
More than 200 ton: 4
Micro-injection molding machine: 1
Vertical injection molding machine: 2

Extrusion

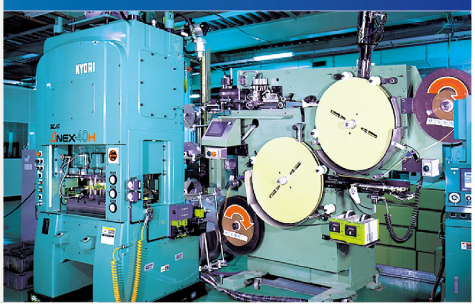
PVC extruder: 10
PA extruder: 1
Online automatic dimension measurement system

Automation

Automatic assembly
Automatic packaging
Automatic inspection



Stamping



Welding, Annealing, and Plating



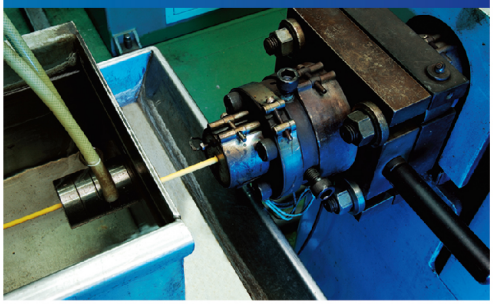




Injection Molding



Extrusion



Automation



Quality Assurance

Strict quality control is always a basic belief of KST. KST values quality and customers' needs so strict examinations are applied at every level of production from raw material purchasing to product delivery. Our quality system has passed ISO9001, ISO/TS 16949, and other international certifications. In addition, all product series have passed related quality certifications and safety regulations of each country, such as UL, C-UL, CE, CSA, DNV, ABS, CQC, CNS, and so on.

The Quality Assurance Laboratory has advanced inspection instruments to practice complete and precise tests for product development, mass production, and customers' needs. The KST Quality Assurance Laboratory is ISO 17025 certified and is a UL independent testing lab. It can provide fair, accurate, and professional product verification and failure analysis services for factories and all customers. In addition, KST also promotes QCC (Quality Control Circle) activities to enhance the quality system. We believe that only continuous improvements can increase the value and competitiveness of our products.



Hazardous Substance Test

Ensure materials used comply with RoHS and WEEE directives or are limited to those requested by customers.



Machine Stress Test

Verify the stress of each product while fulfilling the requirements of safety regulations.



Environmental Aging Test

Simulate the impact of accelerated aging and extended usage in every type of extreme environment.



Warm to Hot Cycling Test

Verify the safety of product usage under voltage and current conditions prescribed in safety regulations for extended durations.



Electronic Property Test

Verify the safety of product usage under conditions of the maximum voltage prescribed in safety regulations for a given duration.





Quality System Certifications

ISO/TS 16949、ISO/IEC 17025、IECQ QC080000、ISO 9001、ISO 14001




KST



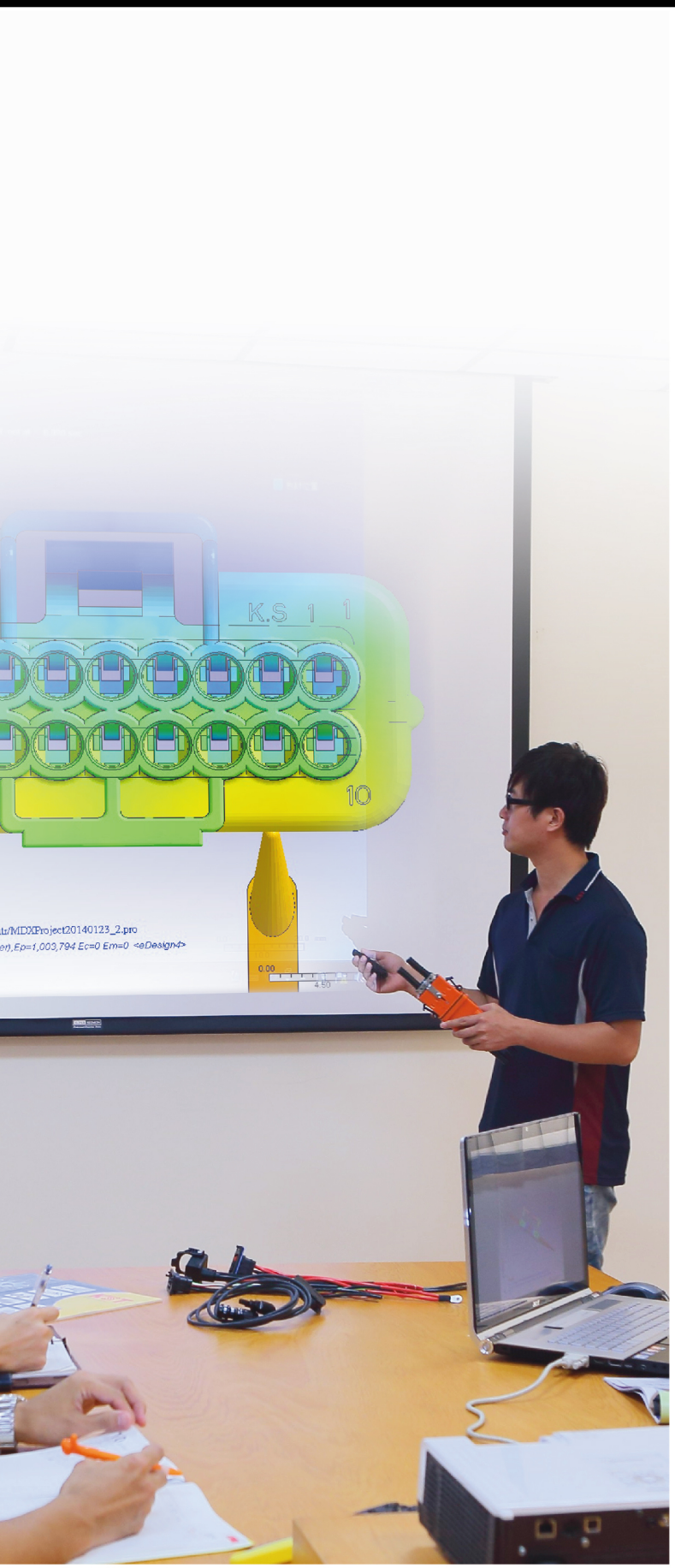


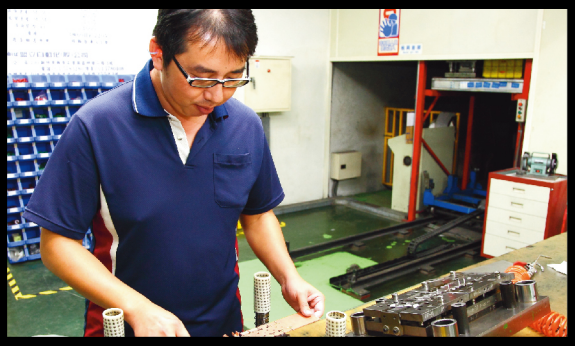


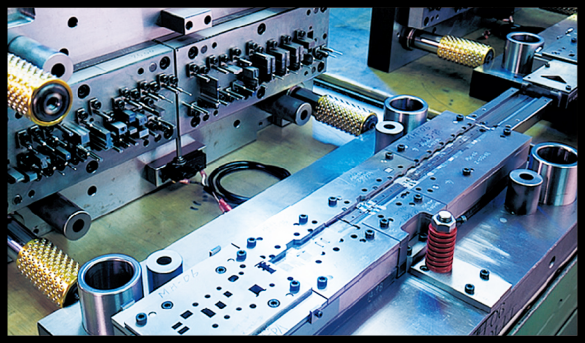

GIANT FORCE
GIANT FORCE

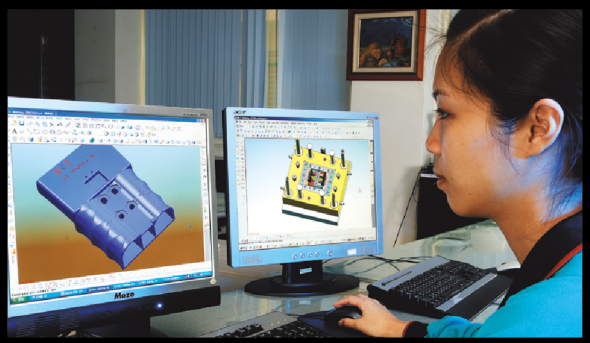
Mold Processing Center

The company's mold processing center has launched a complete range of machines, such as CNC wire cutter, CNC internal grinding machines, 2D and 3D coordinate measuring machines, etc. These machines were imported from countries such as Germany, Switzerland, Japan, the United States, and a number of other advanced countries to ensure stability and high precision performance. Our mold processing center is organized by about 50 experienced engineers and technicians; moreover, it is also equipped with a set of dedicated automatic storage and retrieval system (AS/RS) to manage over 4,000 molds efficiently.











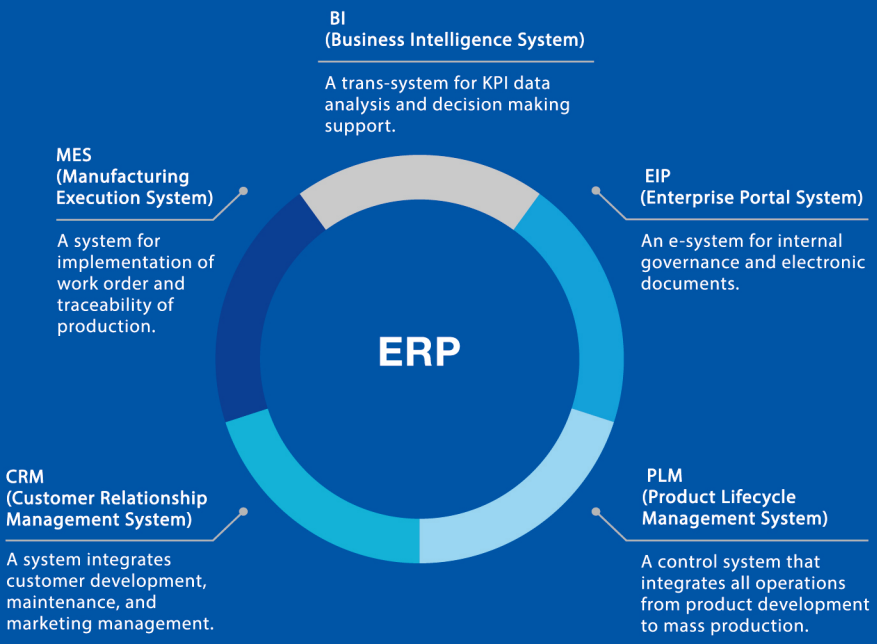




Corporate Governance

K.S. TERMINALS INC. is a stock listed company in Taiwan (Code: 3003). We place great importance on corporate governance and the disclosure of information. In addition to compliance with government regulations and build well-governed implementing system, we continue to improve the performance of internal management and protect the rights and interests of external investors, stakeholders, and suppliers. Our goal is to establish a sustainable development pattern.

We have set up independent directors, functional committees (e.g. remuneration committee, environmental safety and health committee, and employee benefits committee) to ensure compliance with the principles of disclosing information completely, instantly, fairly, and transparently.
All financial information, financial statements, annual reports, and material information are announced on the stock exchange MOPS at any time, in order to be a reference for investors and the public.



Corporate Social Responsibility

Since the establishment of K.S. TERMINALS, putting the people foremost has always been believed to be the essence of sustainable business. Therefore, our self-expectations are to be a good corporate citizen and uphold the principles of honesty to deal with all stakeholders and involved parties.

Internally, we endeavor to create a friendly work environment with harmonious labor relations, gender equality, no discrimination, and no conflict. Besides, we have implemented a variety of policies of green product design, improvement of energy efficiency, reduction of waste emission, installation of AED (emergency rescue equipment), establishment of nursery room in plant, routine medical service by doctors, and annual employee health checkup, etc. Externally, we actively participate in activities of social welfare and environmental protection such as donation, vulnerable families support (adoption), participation in the community disaster defense system.

" Give back to society what society gave us. " is an important faith in K.S. TERMINALS. We keep on embodying this belief in giving ourselves to public welfare activities and regard contribution to society as our duty even thought it is gainless.









Governmental Permits of Air and Water Pollution Disposal



Environmental management system :
K.S. TERMINALS developed the ISO 14001 system in 2004 and acquired SGS certificate. This system also complies with government laws and other applicable international regulatory requirements.





Our History

1973	The establishment of K.S. INDUSTRY CO.
1976	Started the manufacturing of terminals.
1978	The establishment of K.S. TERMINALS INC.
1981	Introduced the product lines of copper non-insulated and pre-insulated terminals.
1983	Successfully developed automatic machines for terminals assembly.
1984	Began the manufacturing of pre-insulated continual terminals and crimping tools.
1986	The establishment of a second plant and successful development in self-made stamping dies.
1987 ~ 1993	Introduced TQC (Total Quality Control) system.
1994	Installed the first automatic storage and retrieval systems (AS/RS), which was subsequently integrated with MIS system, and the ISO quality assurance system.
1995	Began the manufacturing of din terminals and cord-end terminals. Acquired the ISO 9002 certification in December.
1996	The official acquisition of ISO 9002 certificate in January.
2000	The construction of KST new headquarters and plants completed.
2001	Established of the third division business unit and metal surface treatment plant. Extended product lines of electronic ceramics, ceramic bases, 3C connectors, and optical-communication components.
2002	K.S.TERMINALS was officially listed on Taiwan's stock market.
2003	The official acquisition of QS 9002 certification.
2004	The acquisition of ISO 14001 certification.
2006	Acquired the ISO TS 16949 certification and began to carry KST products into the car industry.
2008	The acquisition of ISO/IEC 17025 testing laboratory certification.
2010	Acquired the IECQ QC 080000 hazardous substance process management system certification. The official acquisition of TIPS (Taiwan Intellectual Property Management System) certification.
2011	The establishment of a remuneration committee.
2013	Established Thai subsidiary, K.S. TERMINALS (THAILAND) CO., LTD.
2014	Established the 2nd testing laboratory in Suzhou factory (China) and acquired the ISO/IEC 17025 certification.
2015	Established Vietnamese and Indonesian subsidiaries.



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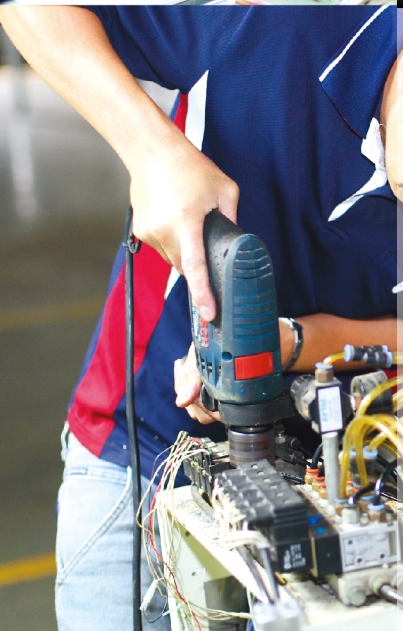
JOEMARS





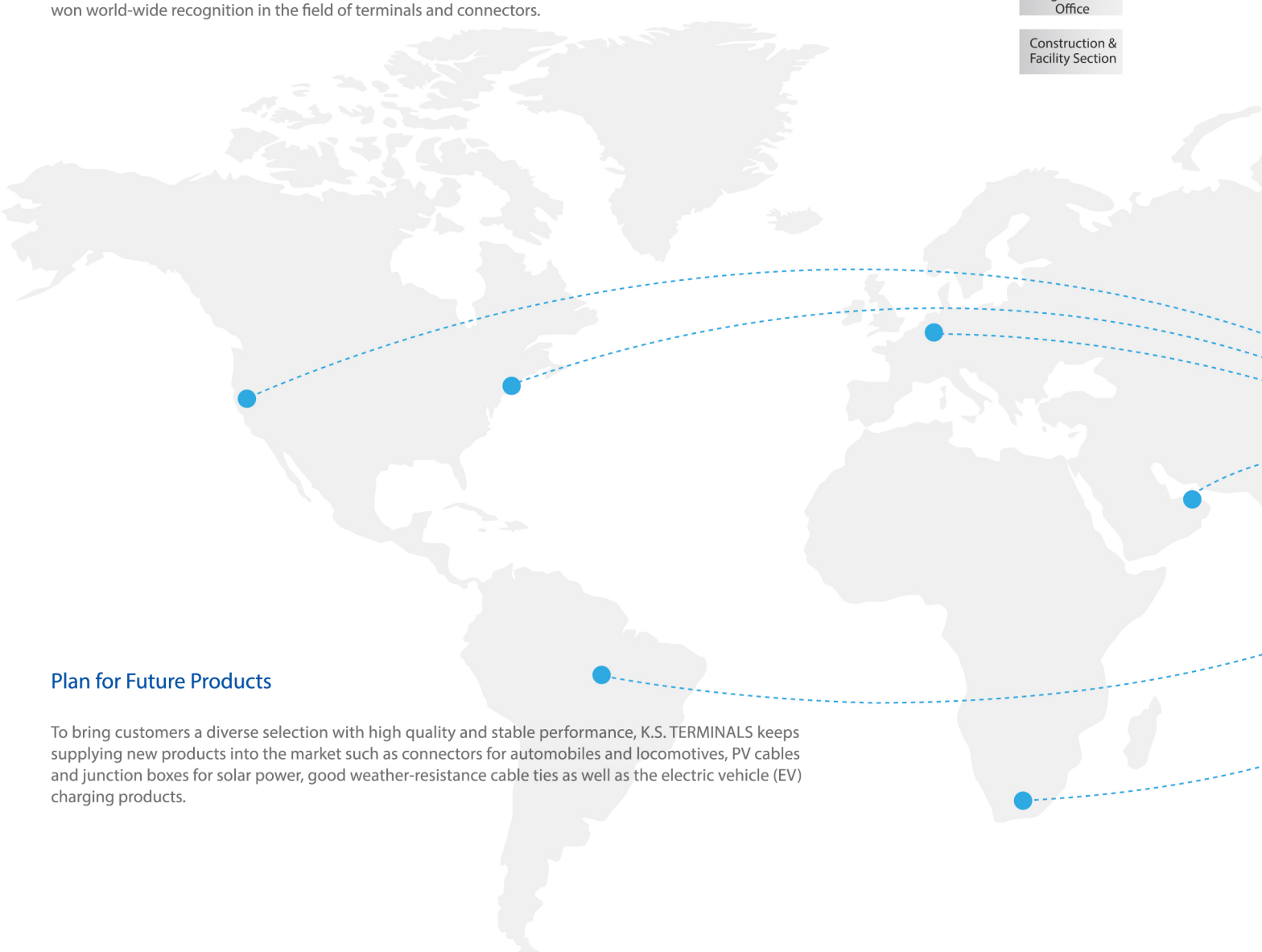

Global Layout & Prospect

The KST headquarters and main manufacturing site are located in Changhua Coastal Industrial Park, central Taiwan.
We apply the operation model: "one centralized R&D, regional manufacturing sites, and global delivery service" to construct the global layout in order to provide the best services of manufacturing and design. In addition, we also focus on local delivery and continue to deploy sales bases and divisions worldwide, including China, Thailand, Vietnam, Indonesia, and other continents or countries.
"Global brand, local touch."
K.S. TERMINALS, starting from Taiwan, adheres to provide instant and satisfying service for customers everywhere.

Financial Department	General Managing Division	Marketing Division
Financial Section	EHS Center	Group Managing Office
	Computer & Information Office	Oversea Sales Department
	Operating Management Office	Domestic Sales Department
	Human Resource Office	
	Document and Legal Affairs Office	
	Construction & Facility Section	

Prospect

Connect with Us, Connect to The Future.
K.S. TERMINALS has devoted over 40 years to electrical terminals and wiring accessory products. Recently, KST invested huge R&D resources in developing connectors for the automotive, electrical cars, and solar energy industries. Through unremitting research, persistence in quality and safety, the KST products have won world-wide recognition in the field of terminals and connectors.



Plan for Future Products

To bring customers a diverse selection with high quality and stable performance, K.S. TERMINALS keeps supplying new products into the market such as connectors for automobiles and locomotives, PV cables and junction boxes for solar power, good weather-resistance cable ties as well as the electric vehicle (EV) charging products.





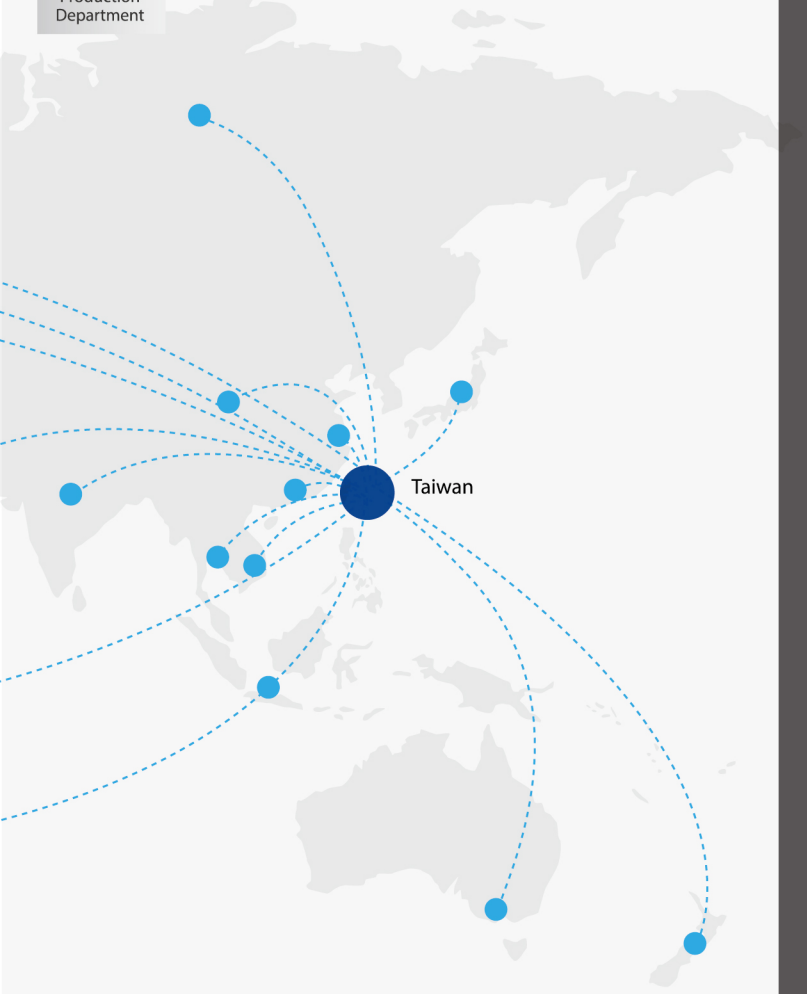






- Board of Directors
  - Auditing Office
- President
- Vice President
- General Manager
- K.S. TERMINALS INC.

Connector Group	Cable Tie Group	Machinery System Group	Band Development Group	Subsidiary Branch
Group Managing Office	Group Managing Office	Group Managing Office	Administration Department	KST. Tech. INC. (Su-Zhou)
Administration Section	Administration Section	Marketing Department	Engineering Department	Guangzhou Branch
Quality Assurance Department	Quality Assurance Department	Production Department	Sales Marketing Department	Thailand Subsidiary
R & D Department	Engineering Department	Product Development Department		Vietnam Subsidiary
Tooling Department	Production Department			Indonesia Subsidiary
Materials Department				
Production Department				



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