We know how difficult it is to find a reliable manufacturing partner that can support you from concept development to volume production. Give us a chance to tell you why we think you just did.

www.tgvprecision.com
One way to sleep well at night is to work with people you trust.

Outsourcing is a challenging task. Physical distance and differences in language, culture and time-zone are only some of the factors that complicate the seemingly simple task of getting your job done by others.

And if this is not enough, geopolitical tensions, global uncertainties, economic reforms and currency fluctuations push the risk of outsourcing even higher. Yet you should not let all that deter you. If done right, outsourcing can still be a crucial part of your business success.

Well aware of the concerns involved in outsourcing and the complexity of finding a reliable manufacturing partner, we made it our goal to demonstrate to customers and prospects that outsourcing does not have to be a daunting task. We thank you for investing your valuable time in reading this brochure and hope that by the time you are done, you too will be ready to give us a chance to help your business.
We are a group of multi-national professionals who work together to provide global customers with unique experience of doing business in China.

For most international companies, finding a manufacturing partner in China has been long driven by the desire to find competitive prices. Yet it often came with compromises.

We in TGV work hard every day to change this reality, by demonstrating to our customers and prospects that competitive prices can be coupled with the highest international standards of quality and service. While we never guarantee our customers to be their cheapest option, we do promise to provide a unique combination of exceptional customer services, world-class engineering, production services and attractive prices.

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OUR VISION
To become a first-choice supplier for international companies that seek solutions in plastic, metal and industrial automation, whilst remaining a company where employees are happy to work at and vendors are happy to work with.

OUR MISSION
- Apply the most advanced technology, management and quality systems to manufacture custom products with value added services in a cost effective manner.
- Deliver products to customers on time, every time.
- Embrace continuous improvement in production, quality and service to exceed customer’s expectations.
- Create a world recognized company image.
- Maintain an excellent, responsible, company culture.

China continues to offer global companies attractive sourcing opportunities. However, doing business with suppliers in China also means navigating the complexities that arise from China’s distinctive culture.

At TGV we offer customers a unique opportunity to enjoy the competitiveness and resources wealth of China, while avoiding the pitfalls that leave too many global companies with disappointing experiences. Our unique organizational structure, led by European management located in China, allows us to provide foreign customers a like-minded manufacturing partner with whom they can find common language, shared values and familiar business culture.

This not only provides our customers with ease of mind, it also helps them improve their bottom lines by saving the unnecessary cost of miscommunication.
Our History

YEARS OF EFFORT AND PERSISTENCE

In 2007, a group of senior French engineers with over 30 years of management and manufacturing experience established a production site in Shenzhen, China, to design and produce tools and products for its customers. Over ten years and millions of parts later, this team and site are now a centre of excellence within the industry and region for delivering the most complex solutions in tooling, metal and plastic part production, sub-assemblies, reel-to-reel plating and industrial automation.

2007

TGV LIMITED COMPANY IS INCORPORATED

TGV Limited is incorporated in Hong-Kong by French professionals with over 30 years of engineering, production and managerial experience.

The company’s promise is to provide a unique offering to global customers, based on its management background and strategic geographic location.

- Established and managed to this day by French engineers.
- Strategically located in the city of Shenzhen, China.
- 30 years of engineering, production and industrial fields.
- Precision applications in the automotive and industrial fields.

2007-2008

PLASTIC INJECTION MOLDS MAKING

Production activity begins in southeastern China, in the city of Shenzhen that is located in Guangdong province.

Initially the company offers mainly design and manufacturing services of plastic injection molds for high-precision applications in the automotive and industrial fields.

- Design and manufacturing of high-precision plastic injection molds.
- All the molds are 100% tested and approved prior to shipment to customers for production worldwide. This ensures a smooth and risk-free handover and quality transition to volume production.

2009

METAL STAMPING-TOOLS MAKING

After successfully establishing its plastic molds making activity, TGV adds a new service: design and manufacturing of metal forming tools with emphasis on progressive stamping tools/dies.

This addition allows TGV to provide customers with more comprehensive solutions in projects that involve both metal and plastic components.

- Design and manufacturing of metal forming/stamping tools: single-stage, multi-stage and progressive.
- All the tools are shipped to customers for production worldwide after thorough test and approval.

2008-2010

PRODUCTION AND SUB-ASSEMBLY SERVICES

To answer increasing demand from its customers, TGV begins to offer components production and post-production services that include plastic parts injection, metal parts stamping, plating, thermal treatment, overmolding, decoration (e.g. printing, laser engraving, labelling), sub-assembly and testing.

Currently TGV exports about half the tools and molds it makes to customers for production, while the rest remains in its premises and is used for production of customers’ components.

- Production of plastic, metal and over-molded parts for customers.
- Post production services including plating, thermal treatment, part decoration, sub-assembly and testing.
- Rapid prototype services including 3D printing, soft molds and machining (e.g. wire-cut, CNC and custom jigs).

2011

NEW AUTOMATION DEPARTMENT FOR SPECIAL PURPOSE MACHINES (SPM)

To help global and local customer to cope with rising production costs in general, and labour costs in particular, TGV establishes a designated department for design and manufacturing of special-purpose automation solutions.

The department researches, designs and develops fully customised, high reliability automatic assembly, testing and packaging machines according to customer’s process requirements.

- Design and development of custom-made automation solutions with inline quality control such as vision systems.
- From manual fixtures to complete production lines.
- Machines are exported worldwide provided with international safety certifications such as CE, and can be installed by TGV’s team of engineers in the customer’s site.

2015-2017

NEW HEADQUARTERS FACILITY IN SHENZHEN CHINA

To support TGV’s expansion and future growth plans, the company has moved to its fully-renovated new factory in Gongming town of Shenzhen city, China.

The new facility, equipped with brand-new, state-of-the-art machinery, will see more activity coming under its roof in the coming years as part of the company’s effort to consolidate various activities into one central production hub.

- TGV Headquarters hosts its centralised quality control, storage and management functions.
- The facility will serve as TGV’s main production site in the coming years and will accommodate the company’s activities under one roof.
- The site is easily accessible from both Shenzhen and Hong Kong international airports.

- Production of plastic, metal and over-molded parts for customers.
- Design and development of custom-made automation solutions with inline quality control such as vision systems.

We keep investing in our team, tooling capabilities and production capacity to guarantee that in the next decade we continue to deliver project management, product design, prototype development, part production, tool fabrication and maintenance services better than any other organization in the industry.
Our People

Employees know-how, creativity, responsibility and dedication are integral part of our corporate success. Therefore, at TGV we are committed to investing in our people. We seek to develop and enhance our employees’ skills and experience within the industry in general and our company in particular.

We believe that frequent and consistent training and professional development creates happy employees that produce better results. We pride ourselves for having a trusted and dependable group of professionals who we truly care for.

To ensure our employees’ well-being we do utmost efforts to provide attractive working conditions, and treat each and every one of them with maximum dignity and respect.

A COMPANY IS ONLY AS EXTRAORDINARY AS ITS PEOPLE

MAIN TEAM

Gerard Coron
Founder & General Manager

With over 30 years of professional experience in France and China, Gerard established TGV and has been managing it on a daily basis ever since.

Franck Mesetto
Director of Engineering

Franck joined TGV in 2015 after working in various technical and managerial positions in France and China for over 20 years. As a Master Degree holder in Plating technology, Franck is also in charge of TGV's plating activity.

Tom Rahav
Industrialisation Manager

Tom joined TGV in 2011 after working for more than 10 years in Europe, USA and China. Among Tom’s responsibilities in TGV is the management of the company’s Industrial Automation activity.

Amber Peng
Quality Control Manager

Amber was part of TGV since its first day and is the company’s Quality Control and Human Resource manager. Prior to that Amber worked for an American company with international operations as a quality supervisor.

Ben Cheng
Senior Project Manager (Plastic)

Ben, who is holder of university diplomas in Tooling design & Manufacturing, as well as Project Management, joined TGV in 2017 after working for 8 years in the plastic mold industry.

Aldrich Huang
Senior Project Manager (Metal)

Aldrich studied tool design in university and worked since his graduation as a tool designer for over 13 years. He joined TGV in 2015 and leads the company’s metal-related projects.

Lion Wei
Automation Team Leader

Lion has graduated from university with a degree in Mechanical Engineering and worked for a German automation company in China until he joined TGV in 2016.
Our Services

At TGV we strive to offer customers as comprehensive solutions as possible for their industrial manufacturing needs. Yet what excites us most are technical projects that require challenging engineering solutions in which we can add value.

We offer a wide array of services for plastic and metal components production, as well as complementary industrial automation solutions which are custom-tailored to each customer’s assembly or testing needs.

Our operational structure and technical capabilities allow us to fulfil the needs of different company types, from Start-ups taking their first steps in prototyping, through SME with High-Mix/Low-Volume needs, to global enterprises that produce high volumes.

PLASTIC INJECTION MOLDS

We design and manufacture plastic injection molds based on customer’s part specifications. After fabrication, test and customer-approval the molds are shipped to our customers for production of components in their premises. In addition, we make our machining capacity available for customers to order tooling spare parts and custom jigs.

METAL STAMPING TOOLS

We design and manufacture metal stamping and forming tools, including single-stage, multi-stage and progressive tools/dies based on customer’s part design. After fabrication, test and qualification the tools are shipped to our customers for production of components in their premises.

RAPID PROTOTYPING

We employ various technologies to support rapid prototyping needs of customers, including 3D printing, soft molds, machining and single-stage stamping tools. In addition, we offer post-production services that include plating, decoration, sub-assembly, testing, packaging and more.

REEL-TO-REEL METAL PLATING

We pride ourselves on operating one of China’s finest and most advanced reel-to-reel metal plating facilities, that allows us to offer full Nickel, selective Gold (spot, brush or controlled-depth) and selective bright/matte Tin (controlled-depth) plating solutions to our customers.

INDUSTRIAL AUTOMATION

Our in-house industrial automation department researches, designs and develops custom Special Purpose Machines (SPM) according to customer’s process requirements. This includes semi- and fully-automatic machines for assembly, testing, packaging and more.
Injection Molds

We design and develop high-precision plastic injection molds based on product specifications. From prototype to mass-production molds, our facilities and team of engineers are equipped to produce exceptional results.

**PROCESS**

Although each mold is unique, the following steps are part of every mold project that we do in TGV. They allow us to minimize misunderstanding between us and our customers, as well as provide clear status of the project’s progress.

**Request For Quotation (RFQ)** - typically a project begins with an RFQ provided by the customer. If no RFQ file exists we ask the customer to provide essential information such as: component drawings, raw material requirements, forecast production volume, desired mold life-time, cost targets and any other special requirements (e.g. hot or cold-runner, number of cavities, injection machine type, etc.)

**Study** - after an order is received from a customer the information gathered in the RFQ process is used by our engineers to generate a Design For Manufacturability (DFM) file that is shared with the customer, in which we detail any manufacturing concerns, constrains and proposals for product modifications or improvements. Depends on the part’s complexity, this step may also include specific study such as moldflow analysis.

**Project Management** - every project is assigned to a designated Project Manager. All our Project Managers are qualified engineers who speak English and work directly with the customer throughout the project’s life-span. The Project Manager creates and follows a detailed Project Plan which is updated and shared with the customer on a regular basis.

**Mold Design** - when the project requirements are clear we start a mold design process that involves generating a 3D CAD model of the mold. The design can be shared with the customer for final review and comments if desired. Once approved, the 3D model is converted to detailed 2D drawings that are used for manufacturing.

**Machining, Purchasing & Assembly** - we manufacture our mold components in-house using high-precision machining equipment and buy genuine standard mold parts from verified suppliers only. The mold is assembled by our experienced technicians in our tool-shop, under supervision of a mold engineer, the quality department and the Project Manager.

**Testing & Qualification** - when the mold is ready we take it through a series of tests and adjustments until good parts are produced and the optimal injection parameters are defined. Then we conduct full visual inspection and dimension measurements of the parts and compile a detailed Quality Control report. The report is sent to our customer along with the produced samples for review. Upon approval of the samples the mold is declared as qualified and can be either used by us for production at our factory, or be packed and shipped to the customer.

**CAPABILITIES**

- **Design**
  - 2D/3D CAD drawings/models
  - Moldflow analysis
  - DFM
  - FMEA / DFMEA

- **Mold Types**
  - Injection / Compression
  - Prototype (soft and hard)
  - Mass-production
  - Cold and Hot Runners
  - Vertical / Horizontal
  - 2K / Dual-Shot / Co-molding
  - Insert Overmolding
  - Reel-to-Reel Overmolding
  - Thermo-set / Thermo-plastic
  - High polish (Up to SPI A1)
  - Various textures

- **Capacity**
  - 40-50 sets per month
  - Typical time for T0: 4-6 weeks, depending on product type/complexity.
Stamping Tools

We design and develop high-precision metal stamping tools based on product specifications. From single-stage tools to full progressive ones, we have the experience, skills and technical capabilities to produce exceptional results.

PROCESS

While each tool is unique, the following steps are part of every tool project that we do in TGV. They allow us to minimize misunderstanding between us and our customers, as well as provide clear status of the project’s progress.

Request For Quotation (RFQ) - typically a project begins with an RFQ provided by the customer. If no RFQ file exists we ask the customer to provide essential information such as: component drawings, raw material requirements, forecast production volume, desired tool life-time, cost targets and any other special requirements (e.g. tool type, number of cavities, strip utilisation rate, tool speed, press type, etc.)

Study - after an order is received from a customer the information gathered in the RFQ process is used by our engineers to generate a Design For Manufacturability (DFM) file that is shared with the customer, in which we detail any manufacturing concerns, constrains and proposals for product modifications or improvements.

Project Management - every project is assigned to a designated Project Manager. All our Project Managers are qualified engineers who speak English and work directly with the customer throughout the project’s life-span. The Project Manager creates and follows a detailed Project Plan which is updated and shared with the customer on a regular basis.

Tool Design - when the project requirements are clear we start a tool design process which involves generating a CAD model of the tool. The design can be shared with the customer for final review and comments if desired. Once approved, the tool design is finalized with detailed 2D drawings that are used for manufacturing.

Machining, Purchasing & Assembly - we manufacture our tool components in-house using high-precision machining equipment and buy genuine standard tool parts from verified suppliers only. The tool is assembled by our experienced technicians in our tool-shop, under supervision of a tool engineer, the quality department and the Project Manager.

Testing & Qualification - when the tool is ready we take it through a series of tests and adjustments until good parts are produced and the optimal stamping parameters are defined. Then we conduct full visual inspection and dimension measurements of the parts and compile a detailed Quality Control report. The report is sent to our customer along with the produced samples for review. Upon approval of the samples the tool is declared as qualified and can be either used by us for production at our factory, or be packed and shipped to the customer.

CAPABILITIES

Design
- 2D/3D CAD drawings/models
- Strip layout optimisation
- DFM
- FMEA / DFMEA

Tool Types
- Prototype / Single-stage
- Multi-stage
- Progressive tools / dies
- In-tool riveting
- In-tool tapping
- High-speed (up to 800 SPM)
- Wire forming

Capacity
- 20-30 sets per month
- Typical time for T0: 15-35 working days, depending on product type/complexity
Part Production

From Start-ups working on prototypes to global enterprises seeking to fulfill mass-production needs, our production and post-production services aim to help customers to save money and shorten lead-times.

Our production facilities are equipped with a wide array of manufacturing equipment that allow us to produce plastic and metal parts in various forms and volumes. Our main services include stamping of metal parts (to bulk or reel), injection of plastic parts, compression of silicon and rubber components and overmolding of metal and plastic components (in bulk or in reel-to-reel).

To customers that require more comprehensive solutions we also offer post-production services, including: thermal treatment, plating (reel-to-reel or in bulk), sub-assembly, part decoration (e.g. pad/screen printing, laser engraving), label/sticker application, ultrasonic welding, testing and more.

We produce and assemble all the components in our premises under strict quality control and according to the requirements provided by the customer. The finished parts are shipped to customers worldwide accompanied by a Certificate of Conformity (CoC) and other supporting documents as requested.

RAPID PROTOTYPING

We understand that time-to-market and cost saving are two concerns shared among companies in today’s global market. That is why in TGV we employ the latest technology to offer rapid prototyping of plastic and metal parts. Using tools such as 3D printing, soft molds and machining (e.g. wire cutting, CNC, manual jigs) we support customers in various industries to develop products quickly and at minimum cost.

CAPABILITIES

Plastic Part Production
- Hydraulic and fully-electrical machines
- From 40 to 400 ton injection presses
- Horizontal and vertical injection
- 2K / dual-shot / co-molding injection
- Overmolding of metal and plastic parts
- Injection and Compression molding
- Thermoset and Thermo-plastic materials, including: PC, PC/ABS, PBT, PPS, LCP, PE, Nylon and Peek
- Post-production services including plating, coating, PVD, printing, ultrasonic welding, sub-assembly and testing

Metal Part Production
- Reel-to-Reel or Reel-to-Bulk stamping
- From prototyping to mass-production
- From 0.04mm to 3.5mm raw material thickness
- Various Copper Alloys, Steels and Stainless Steels
- Pressing tonnage: 16 to 280 ton
- Stamping speed: up to 900 SPM
- Pre-production processes (e.g. plating, slitting)
- Post-production processes (e.g. thermal treatment, de-burring, sand-blasting, plating, passivation)

Rapid Proto-typing
- 3D Printing
- Soft injection molds
- Machining (e.g. wire-cutting, CNC, jigs, single-stage stamping/forming tools)
Metal Plating

We pride ourselves on operating one of China’s most advanced reel-to-reel metal plating facilities. Having this capability in-house allows us to offer customers highly integrated quality- and cost-controlled solutions for their metal part production needs.

Our state-of-the-art plating facility includes two reel-to-reel lines on a single machine, that can be operated independently for plating of full, stamped or over-molded metal strips in various configurations: controlled-depth, brush and spot plating for maximum cost saving. The plating is done under rigorous quality control and the results are tested in our on-site, fully-equipped laboratory by highly qualified and experienced engineers.

The plated parts can be shipped directly to customers or can alternatively be used by us for manufacturing of finished products, such as over-molded connectors, switches and other electro-mechanical components.

ENVIRONMENTAL PROTECTION

At TGV we care greatly about the environment and the safety of our employees, so we do whatever it takes to protect them within the scope of our activities. Fulfilling this mission can be a challenge when dealing with the dangerous materials involved in a plating process. To address this concern we have invested significant resources in ensuring that our plating facility fully complies with the latest and strictest standards issued by the Chinese Environmental Bureau.

The machines in our facility are equipped with water-saving systems to reduce consumption and all their tanks are leak-proof. They are also connected to designated waste-water storage tanks separated by chemical type. In addition, Deionized Water (DI), Waste Gas Treatment (WGT) and Waste Water Treatment (WWT) units are all in place to ensure minimum harm to the environment and the people involved in the process.

CAPABILITIES

- Plating of Cu and Fe alloy substrates, including stainless steel
- Full, stamped and over-molded strip support
- High-speed: up to 20m/min reel-to-reel plating
- Two independent lines can run in parallel
- Strip support: over 50m long, up to 70mm wide and up to 3mm thick.
- Ni and/or NiP under-layer plating
- AuCu and/or Sn finish plating (bright or matte)
- Controlled-depth, brush and spot plating
- Au pore blocking treatment
- In-house laboratory for various tests, including: plating thickness, solder-ability, Salt Spray (Neutral - NSS, Acetic Acid - ASS and Acetic Acid with Copper Chloride - CASS), pH, conductivity, heavy metal concentration measured by an Atomic Absorption Spectrometer (AAS), Organic and additives concentrations measured by a UV/VIS Spectrophotometer
We help our customers to cope with the global increase in production cost in general and labour cost in particular, by offering industrial automation solutions tailor-made to their specific needs. The custom Special Purpose Machines (SPM) we develop increase production efficiency and reduce manufacturing costs.

Our in-house Industrial Automation department researches, designs and develops non-standard industrial automation solutions based on customer requirements. This includes manual fixtures, semi- and fully-automatic machines for assembly, testing, visual inspection and other equipment that solve technical challenges, improve efficiency or increase quality at the customers’ production environment.

We begin every automation project with a thorough study of the customer’s specific needs and desired solution. Based on the information generated in this study we create a 3D model that shows how the solution will look like, which stations it will include and how the main elements will function. The model is shared with the customer for review and comments. When the concept design is approved we proceed with a detailed design phase in which we generate a Bill of Materials (BOM) and 2D drawings for machining and purchasing.

During the entire design and development processes we ensure that the proposed solution complies with the customer’s requirements (e.g. productivity, precision, material consumption, ergonomics) as well as other applicable safety and regulatory obligations. We use only genuine standard components in our machines and select the makes according to the customers’ preferences. In addition, the machines we build can be certified CE by different reputable international agencies. This ensures maximum maintainability and minimum implementation time at the customer’s site.

Capabilities

- Machine types: assembly, testing, printing, packaging and more
- Visual inspection systems using high-speed cameras
- Electrical testing machines
- Robotic systems for automatic assembly and material handling
- Automation levels: manual-fixtures, semi-automatic and fully-automatic standalone machines, complete integrated machinery lines
- Various component feeding systems (e.g. bowl-feeders, trays, lifts, reels)
- Flexibility with selection of standard components from all leading manufacturers in the market, according to customer’s requirements and budget: PLC (e.g. ABB, Omron, Schneider, Mitsubishi, Panasonic), sensors (e.g. Omron, Keyence, Panasonic), pneumatic (e.g. Festo, SMC), CCD (e.g. Cognex, Keyence), robotics (e.g. ABB, Epson, Denso, Fanuc, Kuka, Mitsubishi)
- CE certification
- Machine installation and training in the customer’s premises worldwide
Tool-shops

Most of the machined parts for our injection molds and stamping tools are manufactured at our in-house tool-shops. This allows us to tightly control the parts’ quality, cost and production schedule.

To ensure that the injection molds and stamping tools we produce comply with the uncompromising quality standards of our customers, we manufacture their components in tool-shops within our premises. The machining is done using high-precision equipment by well-trained and highly-experienced technicians. Every finished part is meticulously inspected by our quality control team for compliance with its specifications.

Having sufficient machining capacity not only ensures that we can complete tooling projects on time, it also allows us to make these capabilities available to our customers. We offer on-demand machining services according to drawings from customers. This may include tooling BOM, spare parts or custom-made fixtures. In such cases the individual components or entire assemblies are shipped directly to the customer after machining and quality control.

MAIN EQUIPMENT

Our tool-shops are equipped with a large variety of manufacturing means, including the following main machine types:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNC</td>
<td>4 machines</td>
</tr>
<tr>
<td>EDM</td>
<td>12 machines</td>
</tr>
<tr>
<td>Wire cutting</td>
<td>5 machines</td>
</tr>
<tr>
<td>Milling/Drilling</td>
<td>10 machines</td>
</tr>
<tr>
<td>Grinding</td>
<td>24 machines</td>
</tr>
<tr>
<td>Lathe</td>
<td>3 machines</td>
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<td>CMM</td>
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</tr>
</tbody>
</table>
We know how important quality is to our customers, because it is as important to us. Obtaining and maintaining exceptional quality standard is what helped us gain market-leading companies as customers in various fields.

For us quality is not only about the final product we deliver to the customer. It is rather an indispensable part of everything we do. From the suppliers we choose to work with and the raw materials we buy, through the design and manufacturing of our products, to the support we provide to our customers long after the products have been delivered.

**QUALITY MATTERS TO US. A LOT.**

We know that in today’s global market our customers and prospects have many options to choose from when selecting suppliers to fulfill their production needs. This is why we make quality a differentiator between us and the competition. The quality of our products, services and customer support is something we are proud of, yet relentlessly work to further improve whenever we can.

Our quality control system covers every aspect of our operation, from qualifying new suppliers and purchasing raw materials, through design, production and on-time delivery, to after-sale customer support. This system relies on the following core pillars:

- ISO 9001, ISO 14001 and TS 16949 certified facilities.
- Fully-automated visual inspection systems with high resolution CCD cameras.
- SPC / Process Capability monitoring and analysis of factors such as Cp and Cpk.
- In-house quality control laboratories equipped with regularly calibrated measurement equipment such as high-precision CMM and video projectors.
- Specialized equipment for conducting specific tests such as: waterproofing, temperature and humidity cycles, drop and durability.
- An Enterprise Resource Planning (ERP) system.

**STANDARDS**

Our facilities are ISO 9001, ISO 14001 and TS 16949 certified. This reflects our commitment to meeting accredited international standards and maintaining proven quality practices.

In addition, we at TGV are ready to implement quality control procedures requested by particular customers for specific projects. Thanks to our in-house tooling and automation capabilities we are able to build custom-made testing fixtures, electrical control stations and automated visual inspection units whenever it is needed.
We help companies of all sizes and different industries to fulfil production needs and solve challenging technical problems.

Our customers come from diverse spectrum of industries. What they all have in common however, is the necessity to fulfill production needs or solve challenging technical problems whilst maintaining a competitive edge.

We pride ourselves on serving companies of all sizes. Among them are innovative Start-ups that take their first steps in realizing their dreams, small and medium size companies, as well as global public enterprises.

Unafraid of challenges, we invite prospects and customers alike to contact us with any special request they may have. No project is too small and no problem is too big for us to assess. If we cannot do it, we will simply say so.

INDUSTRIES WE SERVE

We are excited by every opportunity to support companies in any field. So far, however, most of our customers are from industries in which quality is paramount:

- Industrial Applications
- Automotive
- Consumer Electronics
- Energy
- Military & Law Enforcement
- Aerospace
- Water Management Solutions
- Home Appliances

WORLDWIDE REACH

Being located in Shenzhen, the heart of China’s most industrially developed region and at close proximity to Hong Kong, allows us not only to tap into virtually unlimited production resources, but also conveniently deliver our products and services worldwide. We work with a well-established network of freight forwarders and international couriers to fulfill the logistic demands of our international and domestic customers.

87% Exported products and services

Serving customers from over 40 countries

INDUSTRIES WE SERVE

- Industrial Applications
- Automotive
- Consumer Electronics
- Energy
- Military & Law Enforcement
- Aerospace
- Water Management Solutions
- Home Appliances

Sales & Shipments by Region

<table>
<thead>
<tr>
<th>Region</th>
<th>Percentage of Sales</th>
<th>Percentage of Shipments</th>
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</thead>
<tbody>
<tr>
<td>Europe</td>
<td>56%</td>
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<tr>
<td>Americas</td>
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<tr>
<td>Asia-Pacific</td>
<td>9%</td>
<td>50%</td>
</tr>
<tr>
<td>Middle East</td>
<td>4%</td>
<td>10%</td>
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</tbody>
</table>
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