

# TT GROUP

Dream Maker • Future Leader



TT GROUP | Brand Profile

#### TONGTAI

TEL : +886-7-9761588  
FAX : +886-7-9761589  
[www.tongtai.com.tw](http://www.tongtai.com.tw)

#### HONOR

TEL : +886-7-9759888  
FAX : +886-7-9759999  
[www.honorseiki.com.tw](http://www.honorseiki.com.tw)

#### APEC

TEL : +886-4-23589313  
FAX : +886-4-23588913  
[www.apecnc.com](http://www.apecnc.com)

#### QUICK-TECH

TEL : +886-6-3841155  
FAX : +886-6-3841177  
[www.quicktech.com.tw](http://www.quicktech.com.tw)

#### PCI-SCEMM

TEL : +33-4-77426161  
FAX : +33-4-77426023  
[www.pci.fr](http://www.pci.fr)

#### ANGER MACHINING

TEL : +43-7229-71041-0  
FAX : +43-7229-71041-199  
[www.anger-machining.com](http://www.anger-machining.com)

Dream Maker • Future Leader

*Nice to meet you!  
We're TTGroup*

## Brand Story of TTGroup

TTGroup is a global machine tools group which includes 6 international companies: Taiwan-based Tongtai, Honor, Quick-Tech and APEC, France-based PCI-SCEMM, and Austria-based Anger Machining GmbH. It is a platform we establish for taking care of customers' needs for equipment, all-round solutions, technical application and service.

TTGroup's products includes vertical/horizontal machining centers, 5-axis machining centers, vertical/horizontal CNC lathes, multi-tasking machining centers, ultrasonic-assisted machining center, transfer center, additive manufacturing equipment, PCB machines and laser machines.

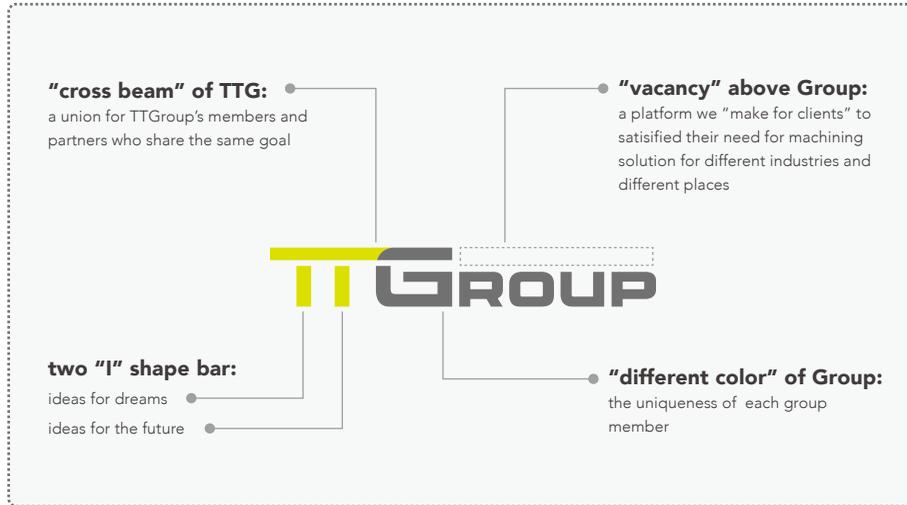
Our range of services cover machining applications for motor vehicles, aerospace, electronics, information technology, medical, home appliances, molds, panels and etc. TTGroup has performed especially well in the automotive and aerospace industries and has won the trust of our customers.

Members of TTGroup share technologies, resource, experience and successful machining cases and builds up the horizontal integration for internal cooperation to create new business models through the global networking. We also share the same goal and expect to be a dream maker and future leader to create an ideal and profitable life for people.



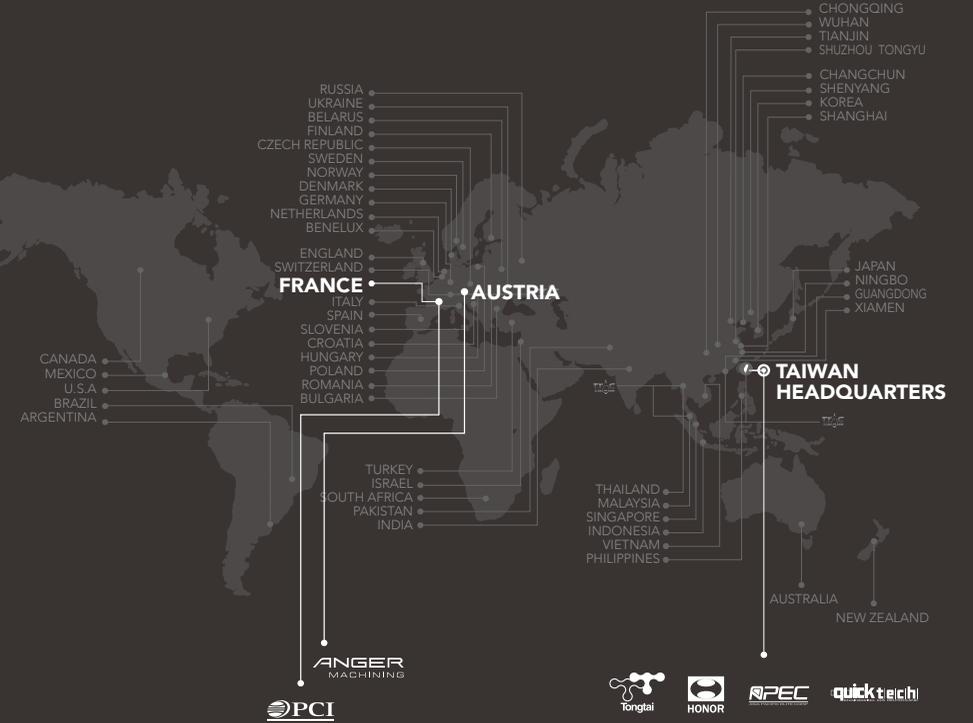
## Story of the Wordmark

TTGorup's wordmark addresses different stories to different targets. For TTGroup's members, it is a union where they could show their uniqueness and share all the resources. For TTGroup's clients, it is a platform where they could find all-round solutions for their success.



**TTGreen** ▶ represents hope and opportunity    **TTGray** ▶ represent stability and reliability

## Global Sales & Service Network



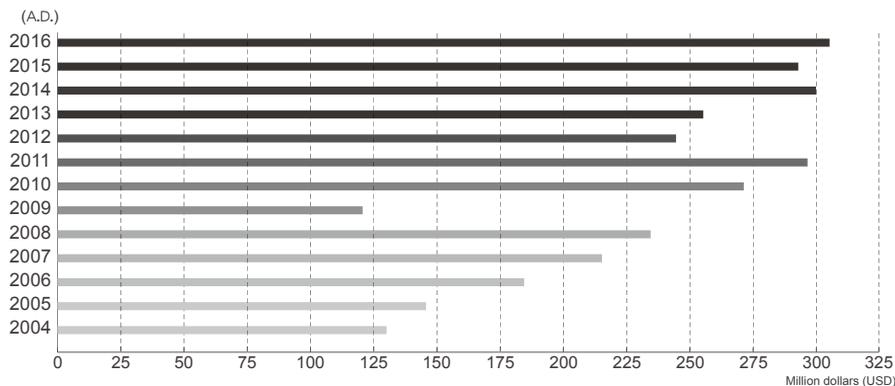
## Total Solutions



## What You Should Know about TTGroup

- Group Image** **1** brand new image of Tongtai Group
- Members** **6** reliable partners provide ultimate machine tools and total solutions
- Sales Channels** **80+** branches, distributors and agents around the world
- Employees** **2000+** happy employees
- Turnover** **€ 279.5** million group turnover in 2016
- Turnover** **60%** of group turnover comes from business in automotive & aerospace industries

## Turnover Chart





## TONGTAI MACHINE & TOOL CO., LTD.

Tongtai was established in 1969, in Kaohsiung, Taiwan, and became a listed company at the stock exchange market in 2003. Tongtai, as the parent company of TTGroup, makes the horizontal integration on products, technologies and service of TTGroup.

We own diverse production lines including vertical/horizontal machining centers, vertical/horizontal CNC lathes, multi-tasking machining centers, boring & milling lathes, metal additive manufacturing equipment, PCB machine, and laser machine, thus allowing us to provide a one-stop solution for any requirement.

Moreover, we established professional software and automated system research teams which can deal with anything from smart manufacturing systems, production line management system and enhanced to smart production lines, developing from PLC composition to machine control system.



5-axis Horizontal Machining Center

### Product Focus

- Vertical/horizontal Machining Center
- 5-axis Machining Center
- Multi-tasking Machining Center
- Vertical/horizontal CNC Lathe
- Additive Manufacturing Equipment



5-axis Vertical Machining Center

### Contact Us

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#### Contact Us

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## HONOR SEIKI CO., LTD.

Honor Seiki was founded in 1987. Today, the company has four factories and is dedicated to produce vertical lathe in past 30 years. Honor Seiki's products are sold around the world and earn client's trust and make Honor Seiki be a key player in Taiwan's machine tools industry as vertical lathe expert.

Honor Seiki's key products include CNC vertical lathes, CNC vertical turning centers, CNC high-speed drilling centers, CNC vertical grinding centers, and machining production lines for sectors including aerospace and automotive industries. Nowadays, Honor Seiki supplies hundreds vertical lathes into many industries, such as aerospace, motor housing, train wheels, valve... successfully becomes a key machine supplier in these industries and the leader of vertical lathe manufacturer from Asia.

Honor Seiki's engineers have extensive experience of every stage from planning, developing and designing to manufacturing, assembly, installation and trial running, and can even provide turnkey solutions and entire machining production lines tailored to customer requirements. We focus on precision, efficiency, quality and reliability results in powerful and advanced machine tools that you can depend on.



Vertical Lathe

#### Product Focus

Vertical Turning Center  
Vertical Lathe  
CNC high-speed drilling centers



Vertical Turning Center



## ASIA PACIFIC ELITE CORP.

Asia Pacific Elite Corp. (APEC) specializes in manufacturing 5-axis high speed machining center in Taichung, Taiwan for more than 15 years. The main products include 5-axis high speed linear motor gantry M/C, heavy duty 5-axis M/C and double column M/C. APEC even has ability and technology to assemble APEC heads with different spindle speed.

In recent years, APEC focuses on providing outstanding solutions to aerospace industry (fuselage structure, engine casing, wing structure and etc.) and automotive die & mold industry. By analyzing the processing demand from customers, APEC team could not only recommend the suitable equipment but also provide the complete solutions which improve customer's machining efficiency and quality. APEC has won repeat orders from many well-known enterprises all over the world and has built up solid business relationship with our customers, such as ThyssenKrupp, Nemark, and many subcontractors of Boeing, Airbus, GE, Rolls –Royce and etc. APEC is definitely a reliable partner with good quality, great performance machines and devote to offer best total cost of ownership to our customers.



5-axis high speed gantry machining center



5-axis double column machining center

### Product Focus

- 5-axis high speed gantry machining center
- Heavy duty 5-axis machining center
- 5-axis double column machining center

### Contact Us

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#### Contact Us

QUICK-TECH MACHINERY CO., LTD.  
No. 35 Keji 1st Road, Tainan City, Taiwan,  
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## QUICK-TECH MACHINERY CO., LTD.

Quick-Tech Machinery has made remarkable leaps on the market with the unique 3-axis gantry tooling system since established in 1996. The complete i-series and T-series from 2 axis to 14 axis high precision CNC lathe offer all kinds of solution to make every customer satisfied with machine performance.

Today we are very glad to introduce to all our customers the new S32; our latest machine will help to achieve faster and accurate parts, increase the production and help to open a new area of precision from medical field to workshops. Quick-tech has stood out proudly in the automatic CNC lathe market.



CNC Multi-tasking turning center with milling function

#### Product Focus

CNC Multi-tasking turning center with milling function  
Advance Turn Mill, CNC Multi-tasking turning center with milling function



CNC Multi-tasking turning center with milling function



#### Contact Us

PCI-SCEMM  
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## PCI-SCEMM

PCI is a French designer and manufacturer of machining systems with historical connections to OEMs and suppliers in the automotive and the aerospace industries. These machine-tools and their related processes are designed for high precision and mass production machining. Since 2015, PCI became one of TTGroup members and has been expanding its businesses globally thanks to the synergy of internal sales/service network sharing.

We have created a new generation of machining center which will be launched at EMO in September 2017, based on our worldwide experience in designing and manufacturing turnkey production lines for automotive OEMs or their suppliers like PSA, VOLVO and JAGUAR.

### METEOR HIGH-SPEED MACHINING CENTER

Based on METEOR technology, an industrial success with over 1000 machines installed for producing millions of car engines yearly world-wide, here is our new generation of HSMCs: METEOR Series.



METEOR 630 single-spindle standard machine



METEOR TS 630V new independent twin-spindle model

#### Product Focus

- High flexibility 4 or 5 Axis machining center
- Small foot print
- Gantry loading or manual/robot loading
- Pallet changer option
- Turnkey production line (Cylinder head, cylinder block, gear box housing)

# ANGER MACHINING

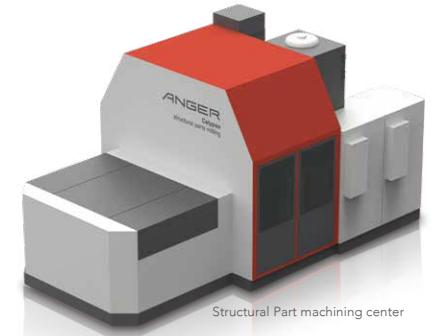
## ANGER MACHINING GMBH

The Austrian company ANGER MACHINING headquartered in Traun is developing and producing machining solutions for serial parts, structural parts, additive manufacturing and turn-key solutions since 1982. ANGER has a clear goal: We create “Systems to match any challenge.” Therefore ANGER focuses on the customer as well as the market trends and needs.

With the 5 business units of ANGER: Transfer center, machining center, additive manufacturing, structural part systems and after sales service, ANGER is able to offer tailor made solution for any kind of production challenge. ANGER MACHINING is creating solutions for the cost efficient and process-secure manufacturing of serial parts in middle and large quantity. With ANGER systems, customer benefits the most from the high precision and productivity, lower life cycle cost, production flexibility, and comprehensive after sales support.



Transfer Center



Structural Part machining center

### Contact Us

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TEL : +43-7229 71041-0 | [www.anger-machining.com](http://www.anger-machining.com)

### Product Focus

Structural Part machining center  
Transfer Center 2PLUS – the world's fastest double-spindle machine