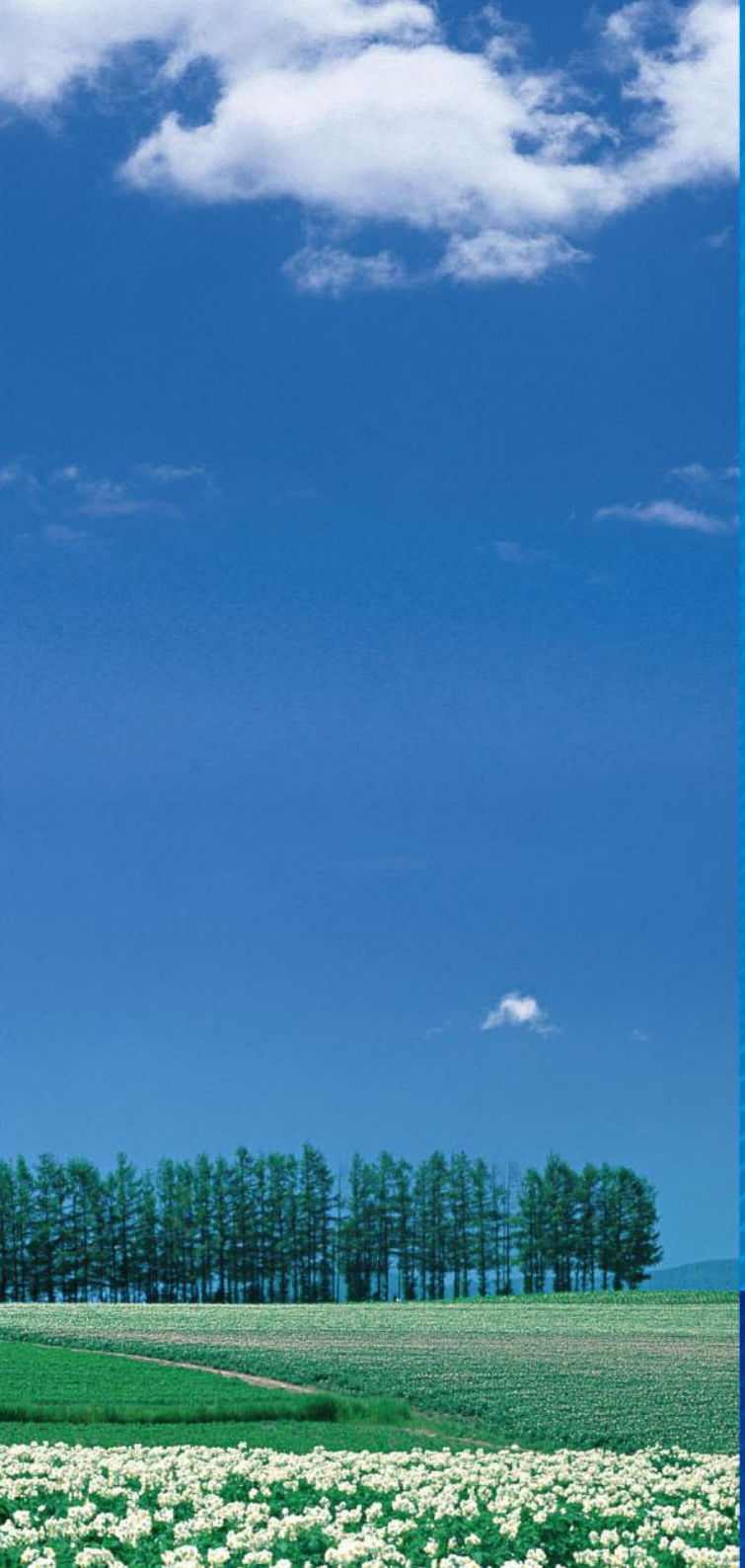


PLT®

SINCE 1978

APEX CONNECTOR

APEX PRECISION TECHNOLOGY CORP.

2012 *Corporate Profile*

www.plt.com.tw

APEX MADE IN TAIWAN

If you maintain the present situation, you will be dropped behind.

Keep on innovating, you keep on making better stuff.

PLT®

SINCE 1978

APEX CONNECTOR

CONNECTS THE WORLD!

Contents

- Management Philosophy 01
- Vision 04
- History 05
- Company Information 06
- Staff Organization 07
- Quality System Flow Chart 08
- Major Clients Overview 09
- Market Share 10
- Manufacturing Equipments 11
- Reliability Test Equipments 12
- Main Products 13
- Patent List 21
- International Certificate 23
- License List 24
- Site Plan 25
- Enterprise and Nature Coexistence 28

Management Philosophy

Chairman

Bob Chang

PLT
SINCE 1978
APEX CONNECTOR
鍇鋼精密科技股份有限公司
APEX PRECISION TECHNOLOGY CORP
The 1 stop procurement &
advanced logistics support system
Save your time and money

Vision

APEX

Since 1978,

- **APEX** keeps upholding the faith of honesty, a sense of responsibility and long-term business management along the way.
  We are well capable of facing any challenges in the near future energetically after numerous internal organizational structure adjustments.

  With heartfelt passion and persistent effort of our staff, **APEX** is aiming for product diversification and internationalized management strategies.
  We're applying them in R&D development, rationalization and automation of manufacturing process, marketing and other services after doing the comprehensive review and forward-looking planning.

- With extensive capabilities and strong ambition, we present our development results to the tech products, which are closely related to people from all walks of life, and further promoted worldwide.

  We are looking forward to having your accompany to create the maximum welfare of human lives to reach the goal of continuous business operation.

Systematized Environmental Management

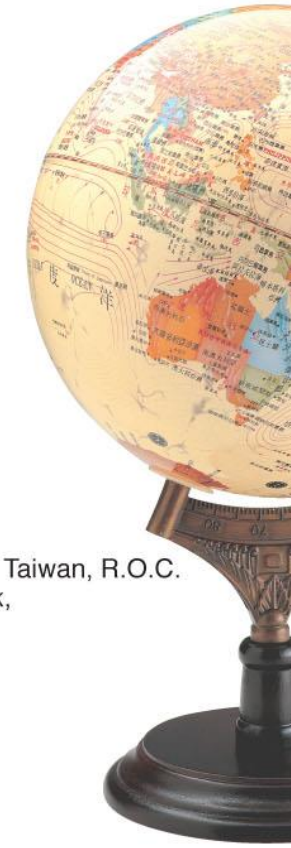
- **APEX** is dedicated to realizing the concept of "Garden Factory" to make contributions to our society. Go Green! Back to nature!

Innovative Research. Versatile Development. Technical Production. Quality Service

- In the ever-changing market, **APEX** devotes themselves to the technical development and improvement, being equipped with precision testing equipments and automatic manufacturing facilities and also producing products with high-quality and reasonable prices.
  They're the largest backup for our company's long-term business scope.

History

- **1978** — Established in 1978. We have initiated the manufacturing and design of automatic machinery,machine tools and other components.
- **1980** — In view of market potential, we have launched the field of connectors since 1980. By the abundant experiences, we furthermore develop & produce precision connectors and telecommunication.
  Now, APEX's products are used in the industries of computer, electric machinery, electronic machinery, telecommunications & even armed forces for singnal or power usage.
- **1985** — In order to provide our customers with more complete service based on main idea of operation "100% Made in Taiwan, Sustainable Management", we set up mold manufacturing, injection molding and wire assembly departments. APEX adopts intergratedoperation and production of diversified products. Been receiving positive and favourable feedback and evaluation from our customers.
- **1990** — Press, Rubber and Plastic Injection Molding departments were established.
- **1993** — Zinc & Aluminum Alloy Die Casting Plastic Injection Molding departments were launched.
- **1996** —
  - May 20 — ISO 9002 Certified by SGS Yarsley, United Kingdom. Registration No.QBE 96102
  - June 8 — UL Certified. File No.E183398
  - August 13 — Approved by the Ministry of National Defense, R.O.C. as one of the qualified suppliers for armed forces.
- **1999** —
  - July 30 — ISO 9001 Certified by SGS Yarsley, United Kingdom.
- **2002** —
  - July 3 — Class A certification approved by Restrained Telecom Radio Frequency Equipments of Ministry of Transportation and Communications (MOTC).
  - July 3 — We cooperated with Japan's leading telegraph manufacturer ALINCO, and being their sole agent in Greater China, including Mainland China, Hong Kong, Macau & Taiwan. Also, our technical cooperation partner.
  - July 4 — ISO Certified 1994 edition upgrade to 2000 edition by SGS Yarsley, United Kingdom.
- **2004** — Established RF DIGITAL TECHNOLOGY CORPORATION which includes Logistic & Circulation Dept., Electro-Optical Business Dept., and Computer & Software Dept.
- **2005** —
  - October 13 — Approved by ISO 14001:2004 Registration NO. TW05/008/OEM November, TS16949 is applying.
- **2006** —
  - June — Our new factory opened in June, address is as below : No. 405, Min-an W. Rd., Hsinchuang Dist., New Taipei City 24264, Taiwan, R.O.C.
  - July — IBM Corp. set up Data Processing Centre in July and began to lead an new addition ERP system to our computer network, witch facilitates and integrates the flow of information between all business functions.
- **2008** —
  - June — TS16949 is applying.
- **2011** —
  - June — Built up the manufacturing & design factory for CNC Turning & Milling Compound Lathe in Taichung.
- **2012** —
  - May — Acquired the exclusive dealership from MASPRO Japan in Greater China, including Mainland China, Hong Kong, Macau & Taiwan. Also our technical cooperation partner.
  - June — We also added new department of medical and health care for the senior to our production departments.
- **2013** — We obtained ISO/TS16949 acceptance of certificate application for global automotive industry quality management system.



Company Information

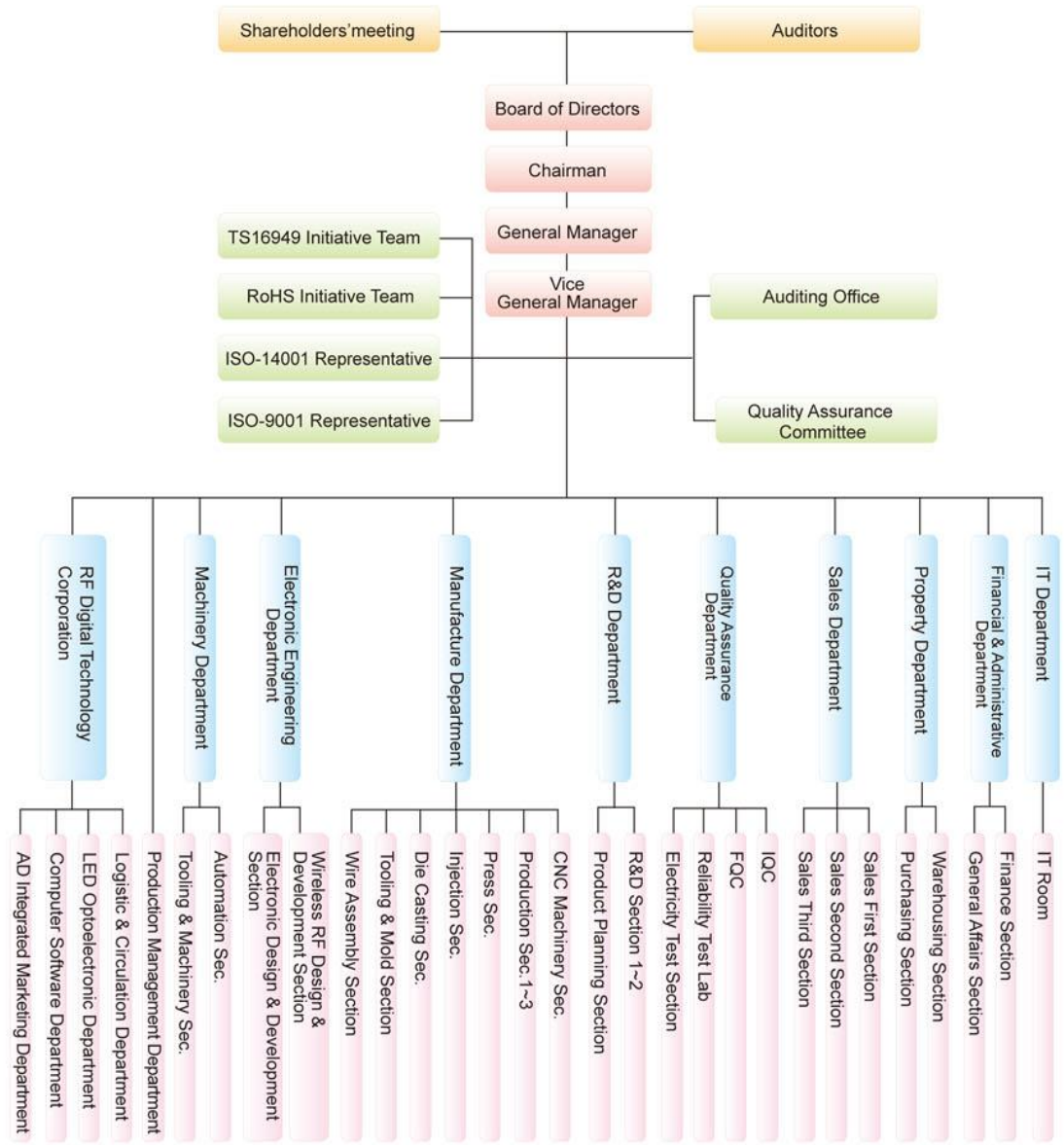
- Company Name : APEX PRECISION TECHNOLOGY CORP.
- Address:
  No.405, Min-an W. Rd., Sinjhuang District, New Taipei City 24264, Taiwan,R.O.C.
- Telephone: 886-2-2206-8899 / 2206-7766 (Rep.)
- Fax: 886-2-2208-0559 / 2208-2999
- Website: http://www.plt.com.tw
- E-mail: apexmail@plt.com.tw
- Service Center E-mail: bob.chang@plt.com.tw

- Founded : 1978
- President : Mr. Bob Chang
- Capital : USD 4,200,000
- Employee : Approx. 200 persons
- Home Page(Web Site) : http://www.plt.com.tw
- Enterprise Reg. No. : 36126411
- Factory Reg. No. : 99-694589-00
- Bank Information : First Commercial Bank Tou-Chien Branch
  A/C: 214-10-100108
  Chang Hwa Commercial Bank Ltd. Sy Yuan Branch
  A/C: 5456-01-00886900

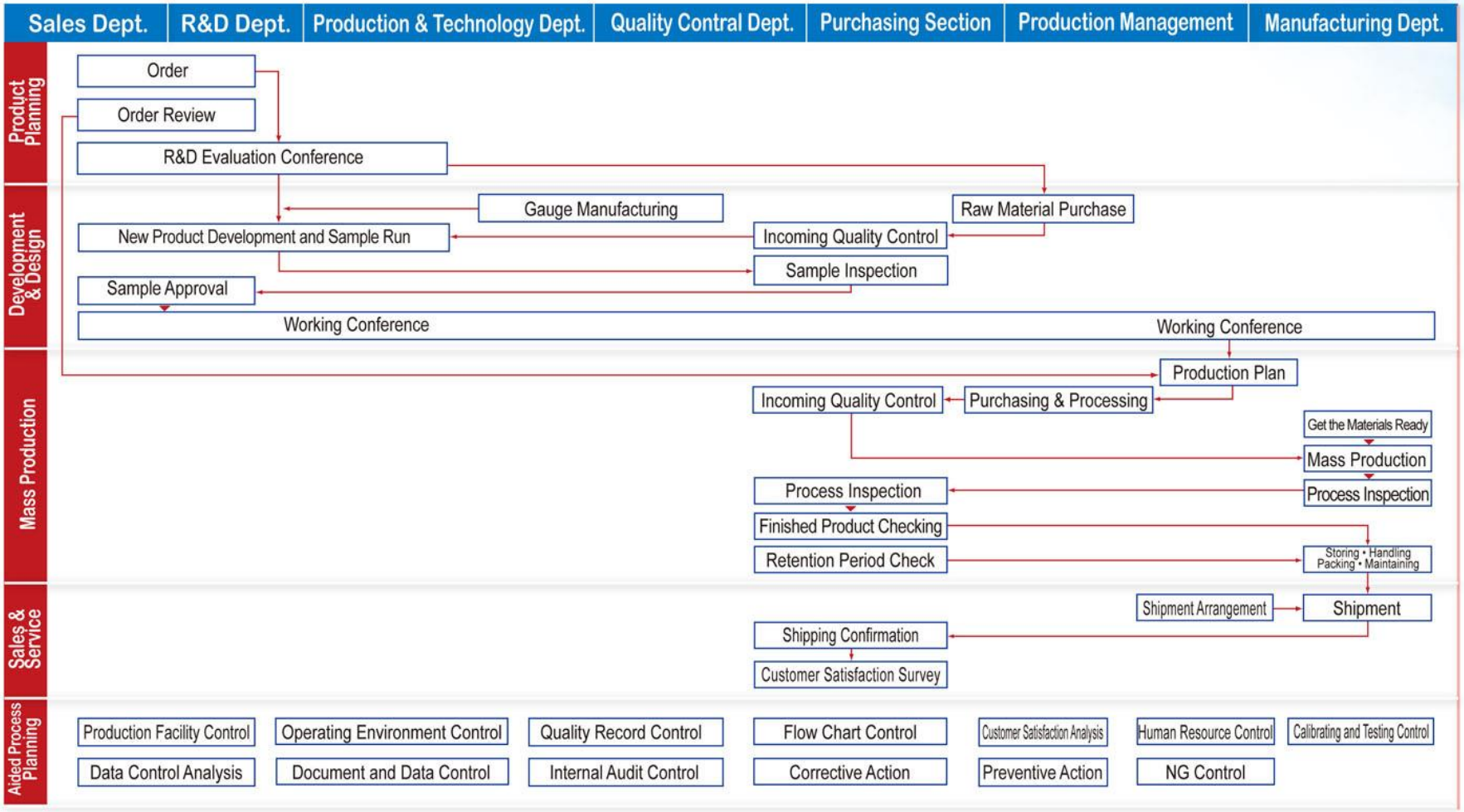
Credit Cards Accepted

- Subsidiary : RF DIGITAL TECHNOLOGY CORPORATION
- Website : http://ec.plt.com.tw
- RF's Bank Information : First Commercial Bank Tou-Chien Branch
  A/C: 214-10-128835

Staff Organization



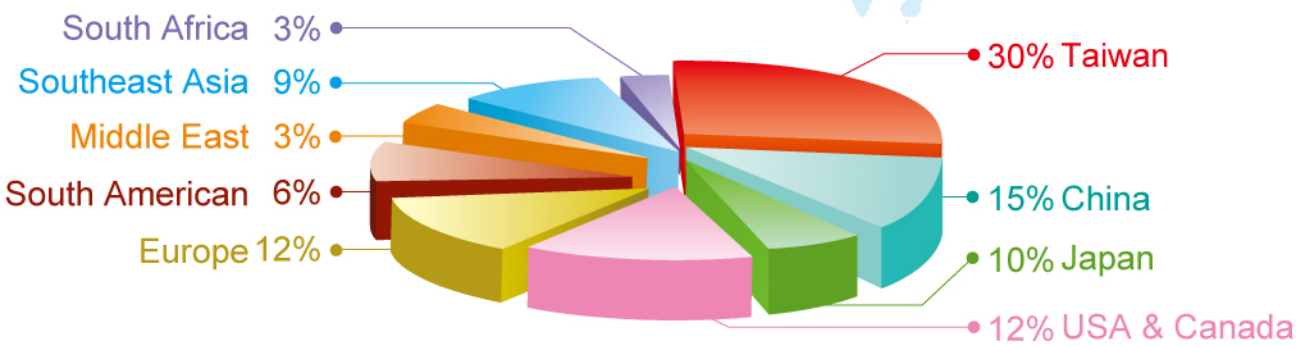
Quality System Flow Chart



Main Clients

Technology to Inspire Innovation JAE
molex®
Bosch Rexroth Group
富士電機
日立ビアメカニクス株式会社 Hitachi Via Mechanics, Ltd.
METHODE ELECTRONICS, INC.
Panasonic ideas for life
Panasonic Electric Works Deutschland GmbH
MISUMI
HRS
HOYA Medical Equipmtnt
MITSUBISHI ELECTRIC
YAMAHA
TOYO
YKK®
AMTRON
ALINCO
JST
Kubota
ICOM
ケアコム
RYOBI
TECO
TOYOTA
MiTAC 神通
FA&ロボット&ロボマシン FANUC
台朔重工 FORMOSA HEAVY INDUSTRIES CORP.
ASUS
中鋼公司
中華電信
DELTA
士林電機 Shihlin Electric
工業技術研究院 Industrial Technology Research Institute
中科院
裕隆汽車
首都客運 CAPITALBUS
KYMCO

Market Share



Mazak CNC Milling and Turning Machine

STAR CNC Swiss Automatic Lathe

Nomura Swiss Type CNC Lathe

CNC Electric Discharge Machine

Tooling Assembly

Forming Grinder

Vertical Milling Machine

High Speed Precision Press

Bakelite Injection Molding Machine

TOYO Zinc & Aluminum Alloy Die Casting Machine

Silicone & Rubber Injection Molding Machine

JSW Motor Plastic Injection Molding Machine

Manufacturing Equipments

◎ Items

- Mazak CNC Automatic Lathe
- TOYO Fully Auto Die Casting Machine
- STAR CNC Swiss Automatic Lathe
- NISSEI All Electric Injection Molding Machine
- JSW All Electric Injection Molding Machine
- CNC Electric Discharge Machine
- Nomura 1053A Swiss Automatic Lathe
- Precision Table Lathe (Hydraulic Type)
- Tray Type Automatic Lathe
- Hydraulic Press
- High Speed Precision Press
- H Type High Speed Precision Press
- Forming Grinder
- Automatic Surface Grinding Machine
- Machining Center
- High Frequency Welding Machine
- Cable Cutting Machine
- Wire Stripping Machine
- Computer Printing Machine
- Printing Machine
- Terminal Machine
- Zinc Alloy Die Casting Machine
- Aluminum Alloy Die Casting Machine
- Horizontal / Vertical Plastic Injection Molding Machine
- Vertical Rubber Injection Molding Machine
- Horizontal / Vertical Bakelite Injection Molding Machine
- High Power Ultrasonic Welder
- Plastic Deflasher

Antenna / RF Connector / Tests on Cable Characteristics Operation

Terminal Riveting Machine

Wire Assembly & Soldering

Reliability Test Equipments

Fluorescence Scattering Meter Testing Machines

Rayny EDX-720

Energy Dispersive X-Ray Spectrometer

◎Items

- Fluorescence Scattering Meter
- Network Analyzer
- Constant Temperature & Humidity Testing Machine
- Insertion &Withdrawal Force Tester
- Cable Swing Test Machine
- Nikon V12 Vertical Projector
- Withstand Voltage / Insulation Tester
- Low Electrical Impedance Tester
- Automatic withstanding Voltage and Insulation Tester
- 2.5D High Precision Vision Tools & Measuring Microscope
- Salt Spray Tester
- Water Pressure / Waterproof Testing Machine
- Pin Tester
- Contact Impedance / Life Analyzer
- Function Generator
- Spectrum Analyzer
- Q Meter
- Digital Capacitor Meter
- Shake Resistance Tester
- Vickers Hardness Tester
- Hardness Tester
- Airtight Tester

Vision Precision Surverying & Mapping Machine

2.5D High Precise Vision Tools & Measuring Microscope

Nikon V12 Vertical Projector / Hardness Tester

Cable Analyzer(Antenna / RF Coaxial Connector / Cable Characteristics Test)

Product Maximum Working Temperature Test (below -40˚C)

Salt Spray Tester

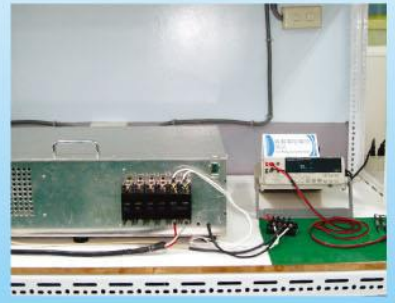
IP65 / IP67 / IP68 Waterproof Series Test

Cable Durability (Swing & Bend Test)

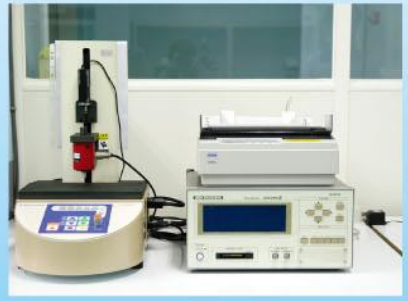
Insertion & Withdrawal Force Tester

Contact Impedance / Life Analyzer / Airtight Tester

Product Withstand Voltage / Insulation Test



Durability Test Machine



Low Capacity Testing machine

Main Products

The 1st Production Dept.

Connector

- Used in electrical machinery, power supply, electronics, machinery, medical devices, MRT(Mass Rapid Transit), automobile, electric bike, communication equipment and military use etc.
- Including aviation series, RF series, LED / solar energy series, metal connector, audio & video connector and waterproof connector

Professional OEM / ODM services

IP65
IP67
IP68

LED / Solar Energy Series

Waterproof Connectors

The 2nd Production Dept.

Precision Molds

- Stamping parts, injection molding, mechanical components by turning and milling, design & processing series products
- Including precision injection mold, die casting mold, progressive press tool, plastic injection molding, rubber injection molding, die casting molding, CNC processing, progressive stamping and extensive metal parts

Powder Metallurgy Parts

- Iron, Copper, Alloy, Stainless Steel

Powder Metallurgy Parts

Junction Box

Die Casting

Stamping Parts

Stainless Steel Denaxed Molding / Copper & iron Casting

Plastic / Bakelite Injection Molding

The 3rd Production Dept.

Auto Controller / Wiring Assembly

- Used in electrical machinery, industry, timer, wire assembly products
- Including waterproof electrical piping, waterproof nylon tubing, stainless steel meter piping, wire assembly equipment, timer and terminal etc.

The 4th Production Dept.

Wireless Communication

- Antenna, headset, security, andti-theft and other peripheral equipment
- Various transceiving high gain antenna, mobile antenna, walkie-talkie headest, car antenna mounts, walkie-talikie, data transceiving system and motorcycle wireless commuication set

Electronic Equipments / Battery

- Stereo transformer, chassis and installation peripheral components, microphone input transformer, videotape magnet eliminator and PA advertisement engineering transformer, mosquito and fly killer, LED emergency light, flashlight, battery and transformer

Improving Sound Quality System of Audio Visual Equipment " Stereo Transformer"

Mosquito & Fly Killer / 2 in 1 LED and Automatic Emergency Light

The 5th Production Dept.

Precision Machine Manufacturing

- Precision Table Press, Hand Arbor Press, Precision Gauge, CNC Turning Milling Compound Lathe Design / Manufacturing / Processing
- High Speed Machining Center, Vertical and Horizontal Milling Machine, Vertical Turret Milling Center, CNC Vertical Machining Center, High Speed Drilling & Tapping Center, CNC Lathe Design / Manufacturing / Processing
- PLC Automatic Hydraulic Lathe and High Speed Precision Table Press
- Versatile Precision Tool Grinding Machine and Borer

Precision Guage

Precision Hand Arbor Press

Precision Table Press

CNC Turning & Milling Compound Lathe

Versatile Precision Tool Grinder

Vertical and Horizontal Milling Machine

High Speed Machining Center

Vertical Turret Milling Machine

High Speed Drilling & Tapping Center

CNC Vertical Machining Center

PLC Hydraulic Automatic Lathe

High Speed Precision Automatic Table Lathe

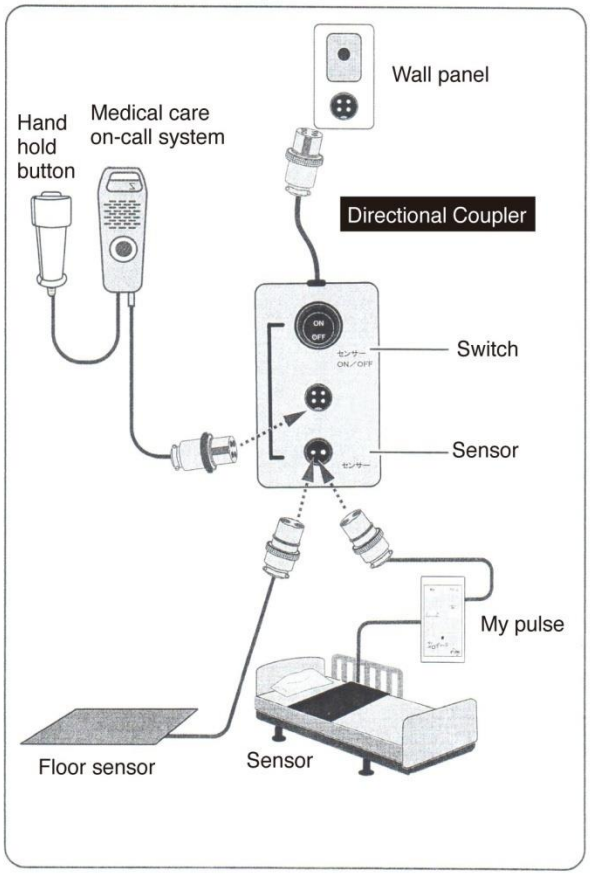
CNC Lathe

Uniaxial Automatic Lathe

The 6th Production Dept.

Medical Equipment / Health Care

- Senior Health Care / Wireless Remote Control / Patient Care System / Medical Care On-call System / Medical Physiotherapy Apparatus / Professional Design / Manufacturing and Agency.



Self-Tracking and Controling Heart Condition

The 7th Production Dept.

Warehousing and Distribution / Logistics Channel Product Agent / Value-added Services

- OEM / ODM / Design / IPO Services
- Other Services / Airport Services / Hotel Reservation Services / Tour Guide Services / Creative Advertising Marketing / Photography

Electric Assisted Bicycle

Solar Power

Wind Power

Vertical Integration and One-Stop Shopping

PLT 錩鋼爾也富 http://ec.plt.com.tw (IPO) Professional Purchasing Service

Welcome to our strategic partners.

Credit Cards Accepted

Patent List

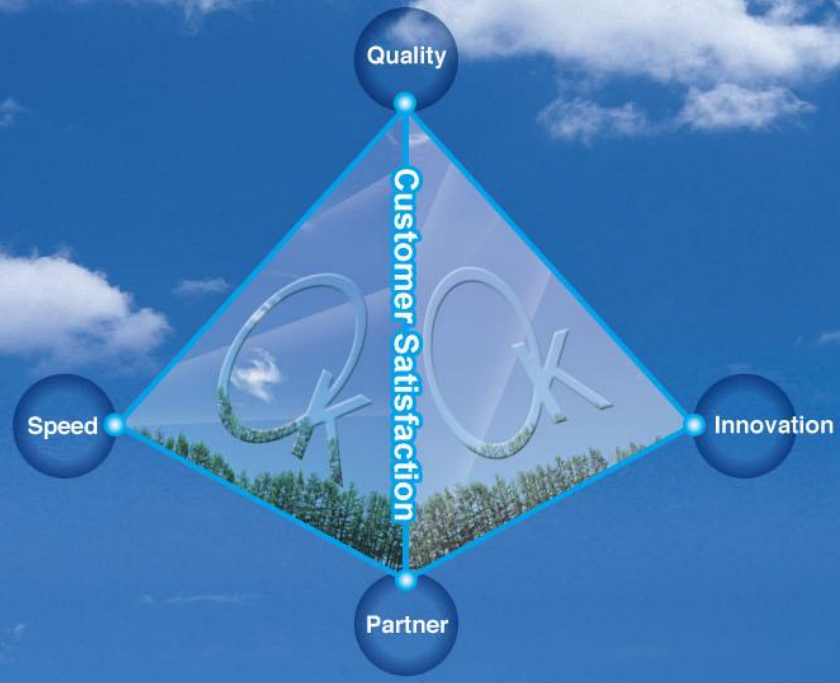
No.	Part Number	Description	Category	Patent Code
1	PLTS-404-P / PLTS-404-R	Chassis Structure of Power Joint	New Type	087331
2	-	Large Cable Protection Cushion	New Type	095245
3	PLT-4037-P / PLT-4037-R	Modified Cable Clamp	New Type	097845
4	PLT-16*-AD	Modified Power Connector	New Type	00243008
5	U-593A-BNGT	Modified UHF Signal Connector	New Type	101616
6	GK-404(A/B/C/D/E) / GK-406(A/B/C/D/E)	Vehicle Antenna Mount	New Type	105368
7	U-519F-ZNGP(I)	UHF Signal Socket Modification	New Type	111156
8	PLS-5219-PM / PLS-5219-PF	Signal Transmission Connector Structure Modification	New Type	112813
9	GR-301A	Thread Turning Machine Structure Modification	New Type	115480
10	B-105B-ZNGP	Structure of Coaxial Connector	New Type	117972
11	GR-301B	Thread Turning Machine Structure Modification	New Type	131171
12	Q-128BG	Clamp Structure for Metal Connector	New Type	157086
13	PLT-16*-LP	Power Connector Modification	New Type	182174
14	GR-334	Fool-Proof Device of Arbor Press	New Type	M248586
15	GK-722A	Visor Hat Structure	New Type	M257651
16	PLP-123-P9	Connectors in Machine Tools	New Type	M268768
17	W-036RX / W-035RX / W-034RX	Earmuff Modification	New Type	M291171
18	WPS-2809-P / WPS-2809-R	Power / Signal Connector	New Type	M303537
19	PLT-162-R	Connector	New Type	M317664
20	B-197B-ZNGT	BNC connector structure	New Type	M317677
21	-	Device for Continuous Press Forming and Automatic Material Withdrawal	New Type	M317891
22	-	Chamfer Gauge of the Body	New Type	M317901
23	-	Press with Adjustable Stroke Length Structure	New Type	M318465

Copyright protected. Violators will be prosecuted

Patent List

No.	Part Number	Description	Category	Patent Code
24	B-197B-ZNGT	Automatic Thread Turning Machine	New Type	M319100
25	-	Transmission Mechanism of Automatic Tapping Center	New Type	M319810
26	PLP-116A	Buckled Structure of the Shell	New Type	M321205
27	WPM-162-PM / WPM-162-RF	Bayonet Structure of Power Connectors	New Type	M328109
28	WPS3116A 12-14P	Signal Connector Fixed Structure	New Type	M414008
29	PLP-138P 8A-R / PLP-138R 8A-R /	Waterproof Signal Connector	New Type	M410371
29	PLP-138AD 8A-R	-	New Type	M410371
30	WPM-223	Bayonet Connector	New Type	M396527
32	WPM-213	Dust Cap Structure for Connectors	New Type	M394608
33	PLT-253A / 254A	Structure of the Power Connector Assembly	New Type	M394622
34	PLP-138R 8A-R	Assembly Friendly Connector	New Type	M385153
35	PLP-138AD 8A-R	Connector Assembly Structure	New Type	M382644
36	PFH-303	LED Stage Lighting	New Type	M374199
37	PLT-126A	Fool-Proof Structure of Power Connector	New Type	M372570
38	PLT-303-RN / PN	Cable Fixation Structure for Connector	New Type	M349608

Copyright protected. Violators will be prosecuted



Technical Orientation & Quality Initiatives

International Certificate

1996/05/20

ISO-9002 Certified by SGS Yarsley, United Kingdom.
Registration No. QBE 96102

1996/06/08

Granted UL Certificate. File No. E183398

1997/11/06

Granted Japan T-Mark Certificate. Registration No. F559

1999/07/30

ISO-9001 Certificated by SGS Yarsley,United Kingdom.
Registration No. Q8718

2002/07/03

Class A certification approved by Restrained Telecom Radio Frequency Equipments of Ministry of Transportation and Communications (MOTC)
Registration No. N911000297

2002/07/04

ISO-9001 1994 year version update to 2000 version
Certificated by SGS Yarsley United Kingdom.
Registration No. Q8718

2004/08/17

Granted TUV Certificate.Registration No. R50043096

2005/10/13

Approved by ISO 14001:2004 Registration
NO. TW05/00810EM

2013~

In the process of applying for ISO/TS16949 acceptance of certificate application for global automotive industry quality management system

License List

TAMI
Member License

TLFEA
Member License

TECA
Member License

TEEMA
Member License

TVMA
Member License

Ministry of National Defense,
R.O.C. Qualification

Site Plan

Sintai Rd.
To Taishan
Zhong Shan Highway
To Taipei
Fu-Jen
Catholic University
To Shulin & Taoyuan
Huilong
B&Q
Fu-Jen MRT Station
Sinjhunang Jhongjheng Rd.
Gas Ststion
Hong Jin Bao
Car Park
Jianguo 1st Rd.
Bus Stop
Kuan Hua Elementary School
Bus Stop
Bus Stop
Gas Ststion
Bus Stop
Bus Stop
Shulin Jhongjheng R.d
Min-an W R.d
Sinshu Rd.
Bus Stop
Bus Stop
Bus Stop
APEX
No. 405, Min-an W. Rd., Sinjhuang Dist., New Taipei City, Taiwan(R.O.C.)
Bus Lines:
235、618、639、802、BL2
Shulin、Chang-Gung
Memorial Hospital
9 Shulin Zhonghua Rd.
Taiwan Electric wire &
Cable Industries
Association
WALSIN LIHWA
Cathay United Bank
Bus Stop
Bus Stop
Y F CHEMICAL
CROP
Bus Stop
Gas Ststion
Gas Ststion
Bus Stop
Bus Stop
Da-an R.d
Turn Right To APEX
To FuZhou Bridge
To Tucheng Banciao
Jhong Jheng R.d
Jhong Hua R.d
Da-an R.d
Jhong Yang R.d
Tucheng Inter change
Taiwan Northern Area
Second National

APEX Enterprise and Nature Coexistence

Coexistence of human and nature is the highest enterprise principle to APEX.

All APEX's staff and operation must be based on the premise of preserving natueal environment and protecting the earth.

- Manufacturing the low-pollution products
- Manufacturing without polluting the environment
- Recycle and reuse
- Contribution to protecting the earth
- Development of environmental protection

100% MADE IN TAIWAN

Any comments would be highly appreciated. Your suggestions on further improvement of your products are welcome!

PLT®
SINCE 1978
APEX CONNECTOR

Manufacturer
APEX PRECISION TECHNOLOGY CORP.
No.405, Min-an W. Rd., Sinjhuang District, New Taipei City
24264, Taiwan, R. O. C.
Tel : 886-2-2206-8899 Fax : 886-2-2208-0559
http://www.plt.com.tw E-mail:apexmail@plt.com.tw

ISO 9001 ~ 14001 ISO / TS 16949

ISO 14001 ISO 9001 International Q/C Certification RoHS Compliant

IPO Professional purchasing Service
PLT 鋁鋼勇也富 倉儲配銷購物網 http://ec.plt.com.tw
APEX CONNECTOR CO., LTD.
GK GreatKingdom 鋁鋼

Customer Service Line : +886-2-2206-0237 • 0975-501-968

S-187EO-920 Printed in 2012/12