

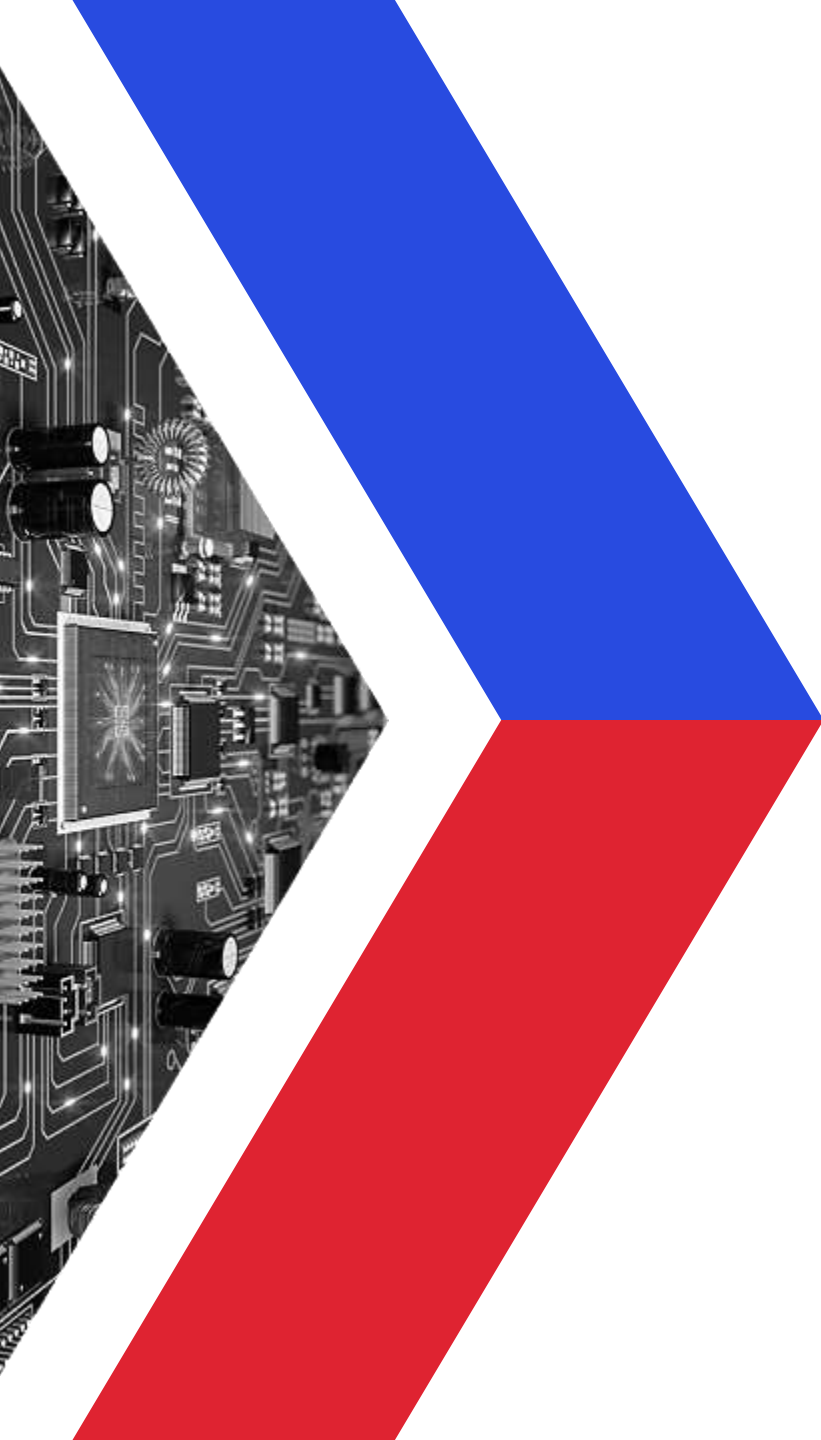


2023 COMPANY PROFILE

LISTEN WELL, SUPPORT ALL, PROMISE WITH COMMITMENT

2017 SEAs SERVICE EXCELLENCE AWARDS WINNER
ELECTRONIC MANUFACTURING SERVICE

EMS/DMS, JDM, PCB, PCBA, BOX-BUILD, SYSTEM INTEGRATION



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2. Group Service
3. Quality Control
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5. Business Partners



01

GROUP PROFILE

Group Resources

Group Resources

Under FIC Global Inc., Headquarter based in Taiwan



Group Resources

Electronic Manufacturing Service



fic

*First International
Computer
DMS*

- ODM / DMS
- ARM Platform Solution (QNX/Android/Linux)
- Digital Cluster Design
- AR HUD Design
- Fleet Management
- ADAS/ECU/BMS/VCU/OBDII Design
- Green Building Integration System
- Intelligent Surveillance Solution

3CEMS GROUP

*3CEMS Group
EMS*

- Established in 1994 with 29 years EMS Experience. 5600 employees and world top 34th EMS.
- Specializing in Automotive, Industrial, Communication, Medical, Consumer & Maritime Electronics Manufacturing
- PCB/FPCB, PCB Assembly, Box-Build, System Assembly & Integration, JDM, Supply Chain Management, Turnkey Solutions, Server Manufacturing

Ubiqconn

*Ubiqconn Tech
IPC ODM*

- ARM/x86
- Windows/Android /Linux

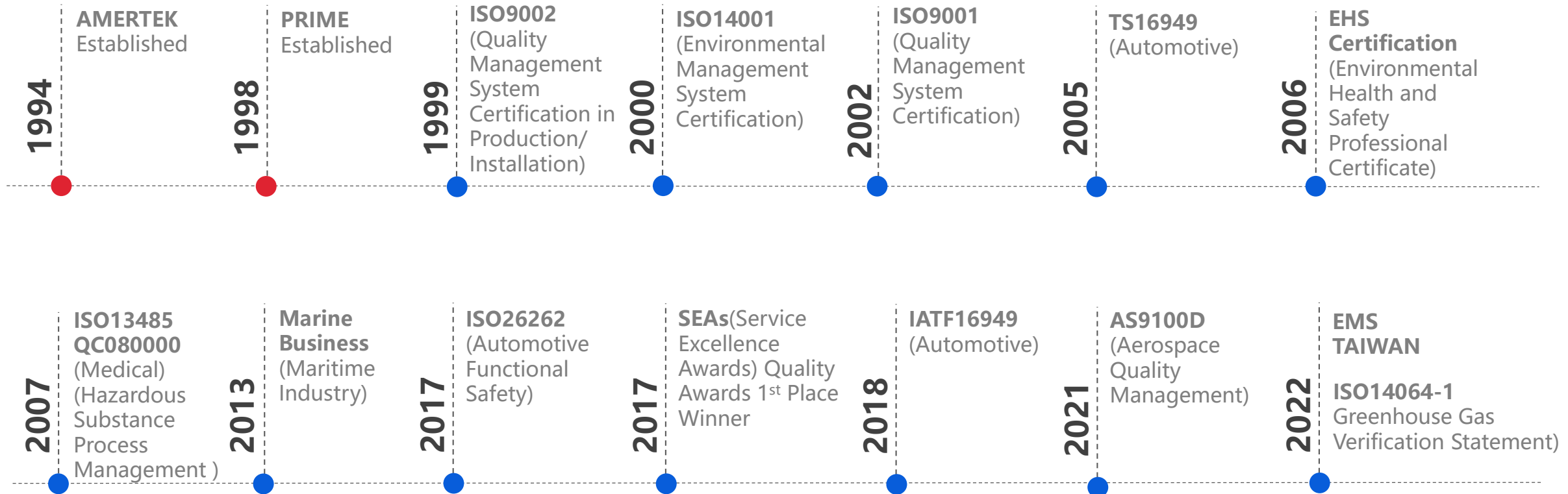


- Rugged Mobile Computers



Milestone

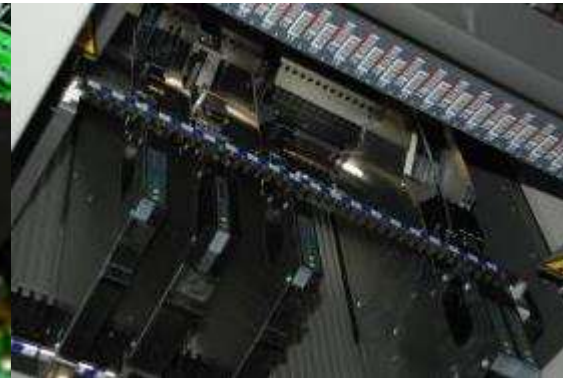
Electronic Manufacturing Service





Manufacturing Location

Electronic Manufacturing Service



EMS/JDM

PRIME Guangzhou

SMT Lines: 15
SMT Capacity: 1.35 kkk/m
Assembly Lines: 8
Assembly Capacity: 240k/m
MI Lines: 11
MI Capacity: 1080k/m
Employees: 1,400

EMS

AMERTEK Shenzhen

SMT Lines: 37
SMT Capacity: 2.57 kkk/m
Assembly Lines: 5
Assembly Capacity: 110k/m
MI Lines: 11
MI Capacity: 1092k/m
Employees: 4,000

EMS

Taiwan

SMT Lines: 3
SMT Capacity: 7.25 kk/m
Assembly Lines: 2
Assembly Capacity: 50k/m
MI Lines: 2
MI Capacity: 200k/m
Employees: 200



Global Footprints

Electronic Manufacturing Service



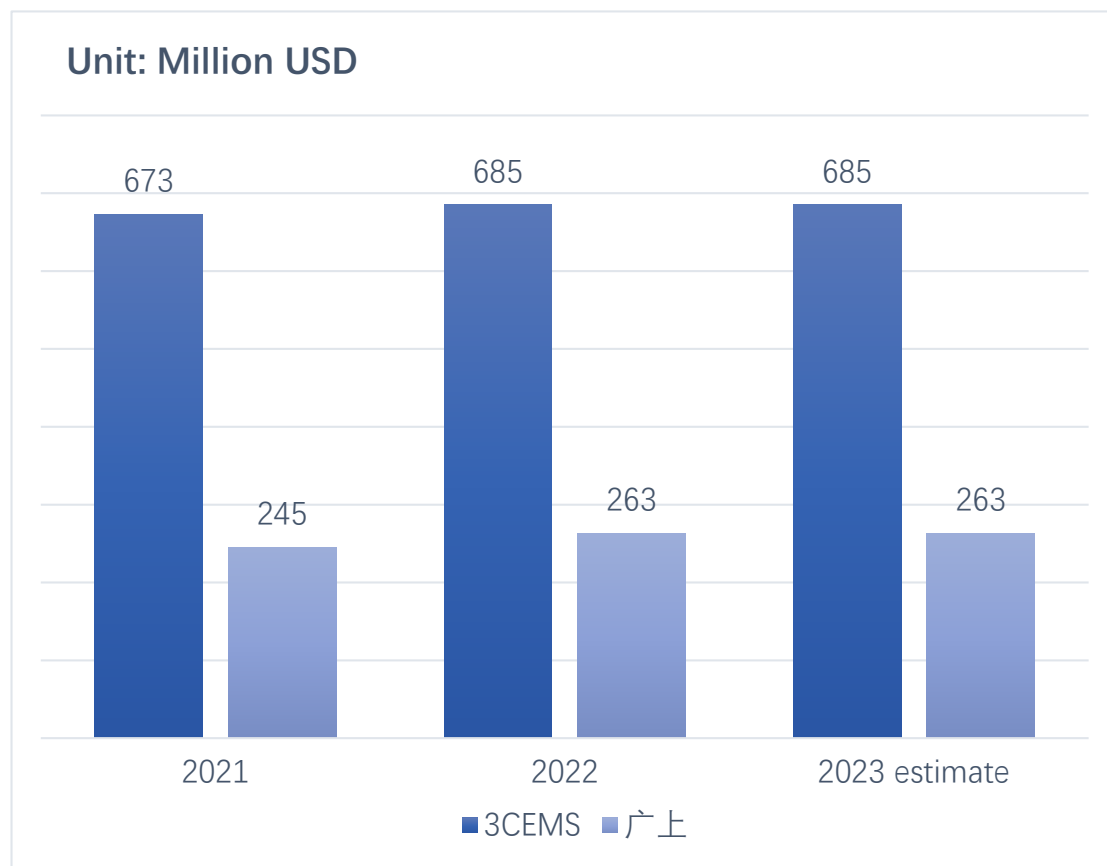


Revenue & Market Trend

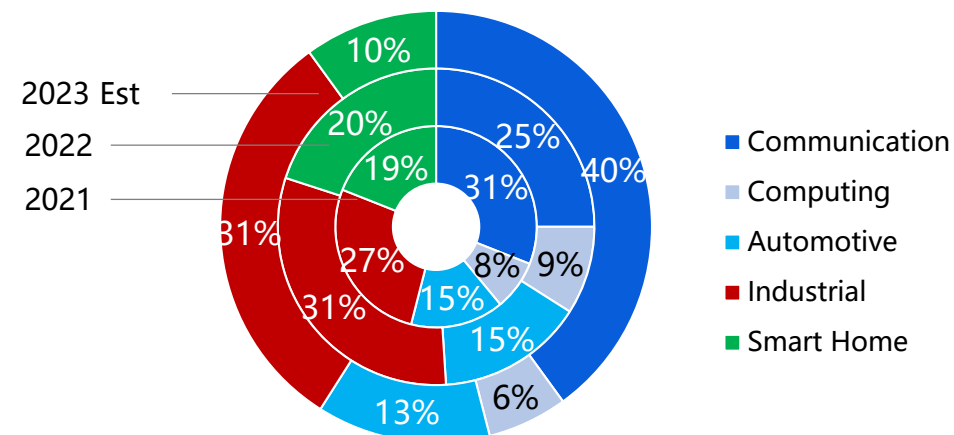
Electronic Manufacturing Service



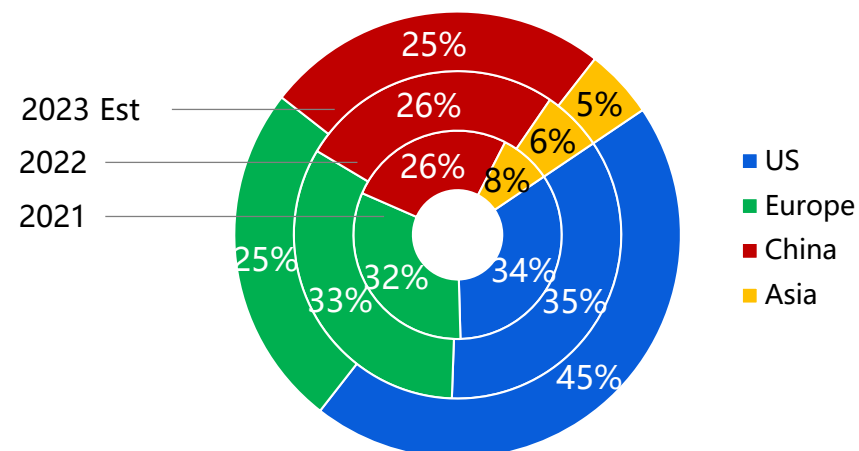
Revenue Growth by Year



By Product Segment



By Territory





Business Position & Uniqueness

Electronic Manufacturing Service



- Tier 2 EMS/DMS (Service Excellent Awards Winner US)
- JDM/DMS Supports (FIC + 3CEMS)
- LV/HM Experience (29 Years)
- Fast NPI Flexibility (4 Weeks)
- Competitive Cost (Production Optimization)
- Global Customers (45% U.S., 25% EUR, 25% China, 5% Asia)
- Long Term Partnership with Customers





Core Competence

Value Proposition

Direction

Strategy

Cost-Effective & Customized Services

Providing unique services cater to LVHM (Low-Volume-High-Mixed) requests to realize fine-quality and cost-effective products with absolute on-time delivery.

- 4 Strategy Project Teams (Optical Transceiver, Western, Automotive, IPC) As Independent Service.
- Continuously Engineering Power and Equipment Investment
- Sourcing Power Escalation
- 6 Months Ahead of PO & Production Schedule Plan
- 12+ Months Forecast Planning for Material Preparation
- Group Business Resource Integration and Support (DMS)
- Tariff Trade War Strategy
- Effective Cost Controls by Lean Production System

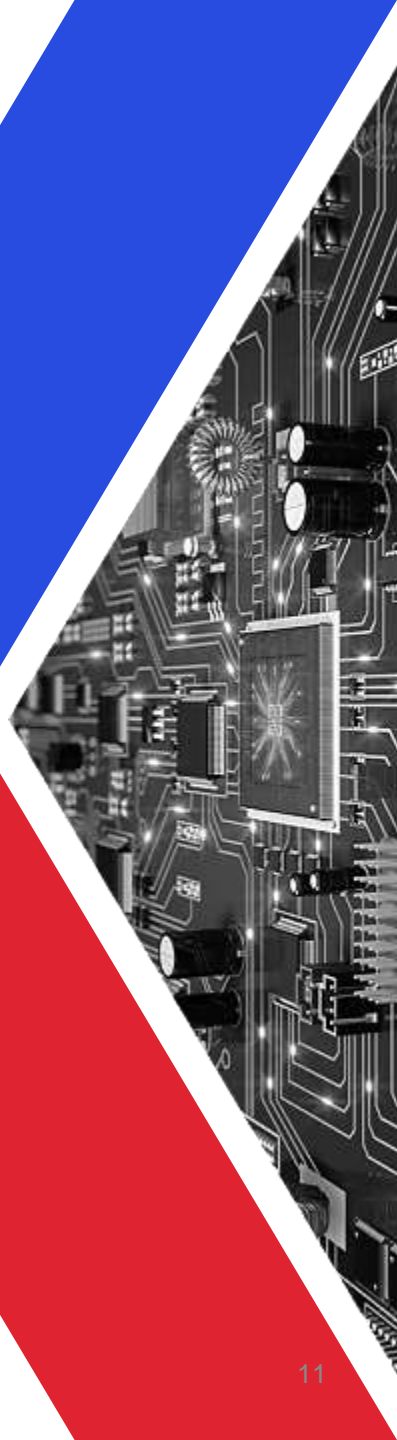


02

SERVICES

Services & Technology

Electronic manufacturing services mainly focus on automotive, communication, industrial marine, medical and consumer segments.





Service Offer

Electronic Manufacturing Service

3CEMS
GROUP / PRIME



01/
JDM



02/
PROTOTYPE



03/
NPI



04/
MASS
PRODUCTION



05/
QUALITY
INSPECTION

General Services

- Cost/Process Optimization
- Supply Chain Management
- Component & Product Traceability
- Logistics
- PCBA/FPCBA Manufacturing
- Box-Build/System Build
- System Integration (*on request)
- Testing/Validation



Product Applications

Electronic Manufacturing Service

3CEMS
GROUP / PRIME

INDUSTRIAL



- Smart Building Controller
- Test Measurement System
- M2M-IoT Wireless Sensor
- Wireless Payment System
- ATM Security Controller
- Precision Motor Encoder

COMMUNICATION



- WiFi / Zigbee / Broadband
- Optical Transceiver
- Mega / Data Center
- Embedded System
- RF Module

AUTOMOTIVE



- ECU Gateway
- ADAS
- EV Charger
- Cluster
- Infotainment
- BMS

MARITIME



- Maritime INBS
- Fish Finder
- Sailing Chart Plotter

MEDICAL



- Medical Beauty Device
- Fitness Belt
- Heart Sound Detector
- Glucose Measurement Device

CONSUMER

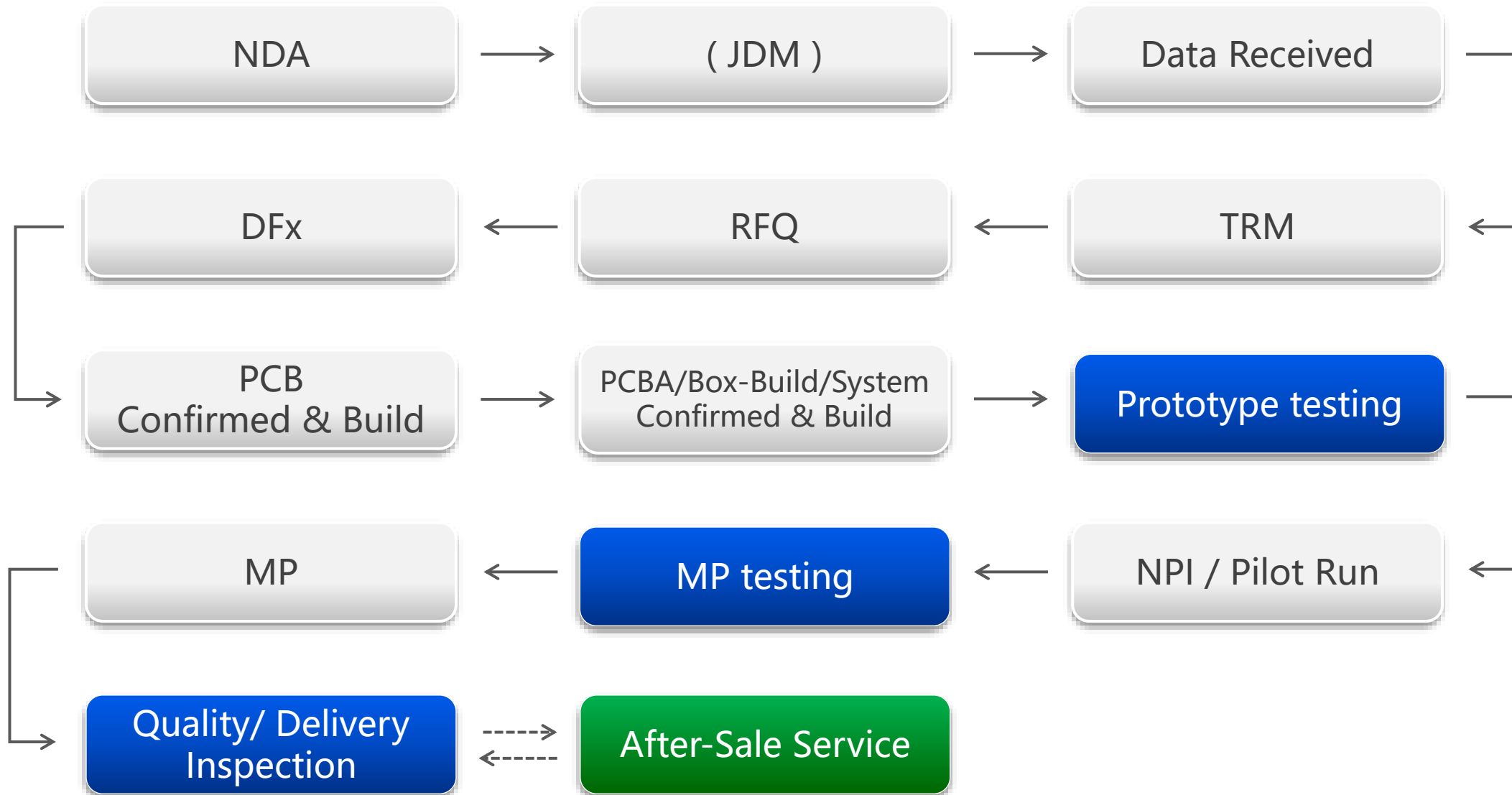


- Smart Household Device
- Drone / UAV
- Gaming System Mother Board
- Touch Panel
- Smart Watch
- Electric Guitar Pickups



Service Flow

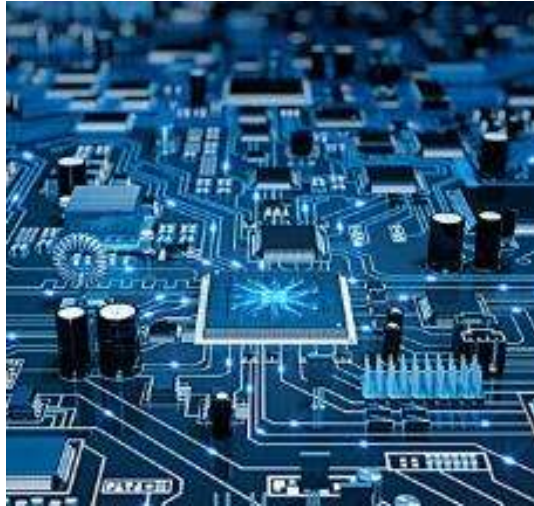
Electronic Manufacturing Service





Capability Part-A

Electronic Manufacturing Service



Component Capability

- Solder Paste Printing
- SMT (BGA, uBGA, PoP and 01005, 008004)
- BGA/CSP/CBGA/CCGA/PBGA down to 140 micron pitch
- Flip Chip with die size of 0.5~50mm
- COB, PoP, Multi-Chip, Chip on FPC
- Component Traceability



Manufacturing Capability

- PCB Assembly/Box-Build/IPXX Assembly
- System Build/System Integration/Programming
- Die Bonding/Wire Bonding
- Selective Wave Soldering
- Conformal Coating (UV-Curable)
- Chip Underfill/ Corner Bonding
- Ultrasonic Welding/ Laser Engraving
- FMEA System (PFMEA)



Capability Part-B

Electronic Manufacturing Service



Testing Capability

- Circuit/Functional Test by JTAG
- Boundary Scan
- Flying Probe
- 2D/3D AOI, AXI, 2D/3D X-ray
- ATE, DFT, RF, HASS, Burn in, ESD Check
- Hi-Pot Test



Services Offer

- JDM
- Prototype
- NPI/MP
- LVHM
- Logistic
- Turnkey/Sourcing
- RMA

03

QUALITY

3CEMS Group holds many approval certifications in quality, automotive, medical, and marine manufacturing, also the SEAs award winner in quality.





Quality Assurances

Electronic Manufacturing Service

3CEMS
GROUP / PRIME

01

ISO 9001
ISO 14001
ISO 14064-1

02

ISO 13485
Medical

03

AS9100D
Aviation, Space, &
Defense

04

TL-9000
Communication

05

IATF 16949
Automotive

06

UL/TUV/CCC/CE
Approved

07

REACH/RoHS

08

IPC Member

Quality Managements:



- Process Validation
- Supplier Management
- Audits
- SFIS (100% Traceability to Component Level)
- Quality Improvements
- Environmental Friendly



Quality Assurance System

Electronic Manufacturing Service





Production (SMT+MI)

- Solder Paste Printing Machine
- 2D/3D SPI
- High Speed Mounting Machine
- Reflow Oven
- 2D/3D AOI
- Underfill/Glob Top Machine
- Routing Machine
- Wave Soldering Machine
- Selective Wave Solder Machine
- Coating Machine
- Ultrasonic Machine
- Press Fit Machine

Testing

- PCB Appearance Check Machine
- OGP
- Solder Paste Thickness Tester
- ICT/X-ray
- FAI Tester
- Flying Probe
- Boundary Scan

Reliability

- Burning Room
- Salt Spray Tester
- Temperature & Humidity Chamber
- Vibration Tester
- Thermal Shock
- Drop Tester
- ESD Simulator
- Microsection Inspection
- Dye Penetrant Inspection

01

02

03



Air

Guangzhou
Shenzhen
Hong Kong



Sea

Shenzhen
Hong Kong



Land

Mainland China

Variety & Flexibility

Logistic Service Operation

- The Close Touch to Worldwide
- 2 Harbors for Shipping
- 3 Airports for Air Parcel
- Import Tax Free
- Secure Custom Inspection
- Free Trade Zone Advantages



Partners

Electronic Manufacturing Service

3CEMS
GROUP / PRIME

Automotive



Industrial Marine Aviation



Communication

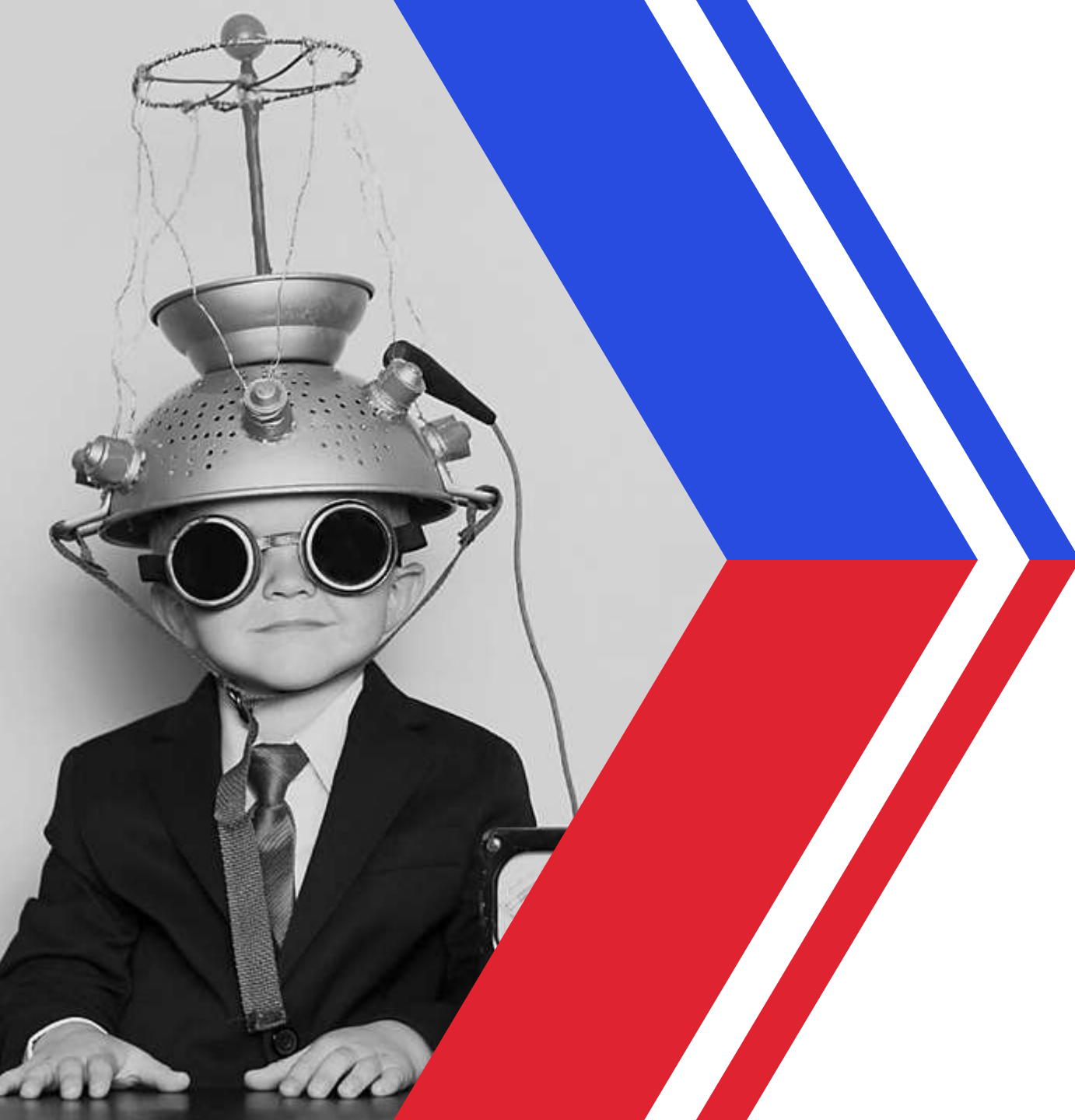


Consumer



Medical





Listen Well, Support All
Promise with Commitment

THANK YOU

www.3cems.com

