

# CCI Group Profile



**Chaun-Choung Technology Corp.**

Rev. A02  
Date: 2017

- **Overview**
- **Service Capabilities**
  - Products
  - Patents
  - Capacity
  - R&D Group
  - Vertical Integration Services
- **Quality Strategy**
- **CCI's Strength**

- **CCI GROUP**
  - CCI Headquarter
    - Taipei, Taiwan
  - Branch Offices: CCI\_A
    - Austin, Texas, USA
    - San Jose, California, USA
  - CCI Agents
    - Seoul, Korea
    - Osaka, Japan

- **Manufacturing Facilities**

- CCI Plant (Taipei, Taiwan)
  - San Chung Plant (Heat Pipe/ Vapor Chamber)
- JCI Plant (Kunshan, China)
  - Plant 1 (Heat Pipe)
  - Plant 2 (Thermal Modules Ass'y)
- CSI Plant (Chungqing, China)
  - Thermal Module Ass'y
- JiFu Plant (Dongguan, China)
  - Thermal Module Ass'y / Extrusion / Cosmetic Parts

- **Milestones:**

- CSI New Factory: Feb. 2017
- JiFu New Factory: Aug. 2016
- CSI (ChungQing, China): 2011
- **Vapor Chamber MP: 2007**
- JCI (Kunshan, China): 2004
- ISO 14001 and OHSAS 18001 certified: 2004
- CCI Taiwan Stock IPO: 2003
- ISO 9001 certified: 1998
- **Heat Pipe MP: 1998**
- JiFu Metallic Product Ltd.: 1993
- CCI Founded in May, 1973

## CCI Business Strategy:

- Customer Satisfaction (Technology, Quality, Cost, Delivery & Services...etc.)
- Concentrate on developing new technologies for more applications.

- **Group Capital: US\$ 28 Million**

- **2016 Revenue:**

- Annual Sales: US\$ 232 Million
- Employee's: 4,000

- **Major Customers:**

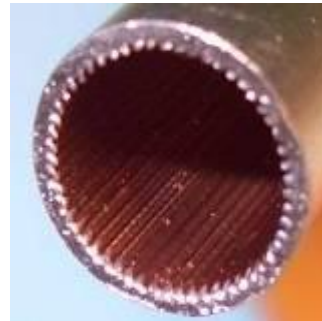
Acbel, Acer, Asus, Celestica, Cisco, Compal, Dell, Delta, Dyson, Fantome, Flextronic, Fortinet, Foxconn, Fujitsu, GESO, Gigabite, H3C, Hitachi, HP, Huawei, Inspur, Intel, Inventec, Jabil, Juniper, Lenovo, LiteOn, Mitac, Nidec, Pegatron, Quanta, Samsung, SunPower, Tivo, Toshiba, Wistron...



- Heat Pipe - Normal
  - Hybrid Wicks Composite
  - Mesh wick
  - Grooved
  - Powder
  - Fiber



**Mesh**



**Grooved**



**Sintering powder**



**Fiber**





- Heat Pipe - Customize



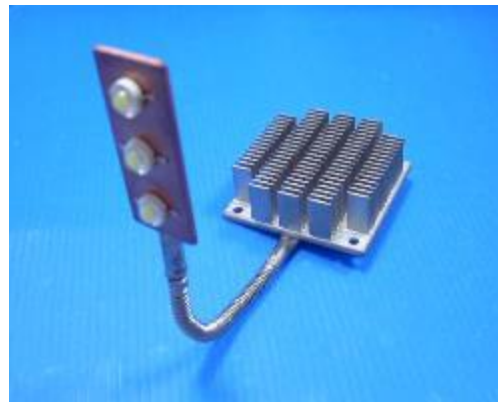
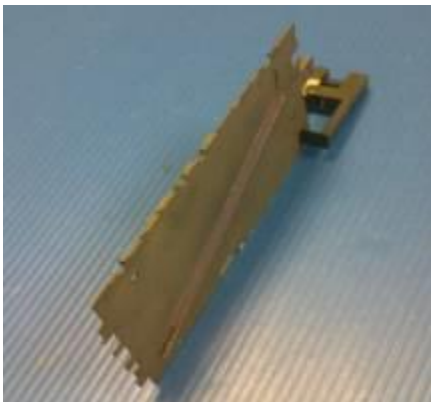
Ultra Thin



Flexible

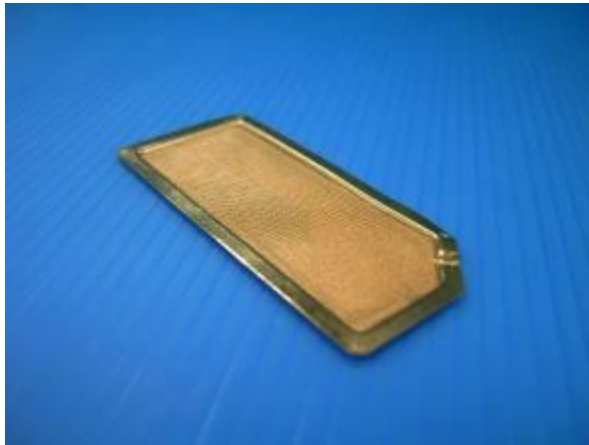


Long

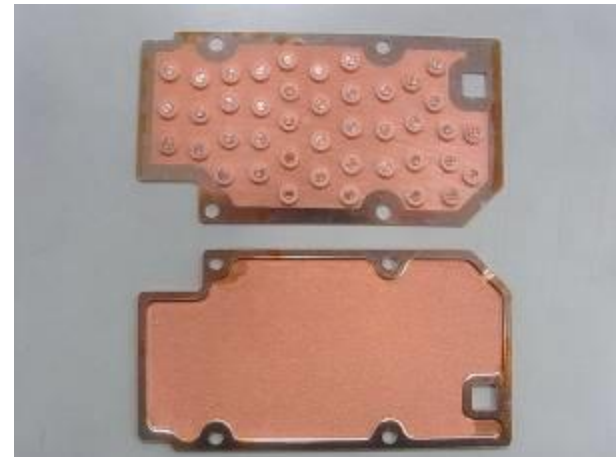




- Vapor Chamber - Normal
  - Hybrid Wicks Composite
  - Powder wick
  - Mesh wick



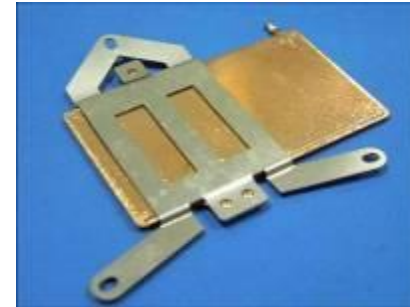
**Mesh**



**Powder**



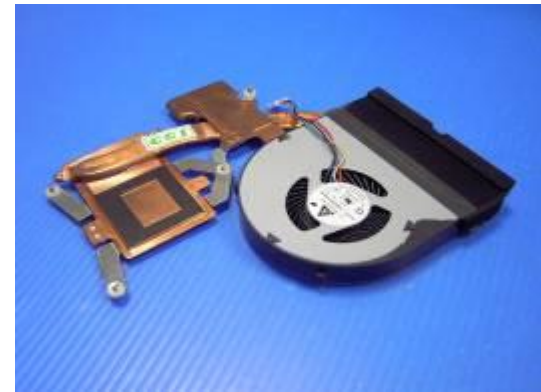
- Vapor Chamber - Customize



**Ultra Thin**



**Pedestal**



**Clip**



- Common Heat Sink Extrusion

- Audio Amplifier
- Power Supply



- Cosmetically Stamping

- Speaker Closure
- 3C Front Panel
- 3C Cover





- Thermal Solution - 3C

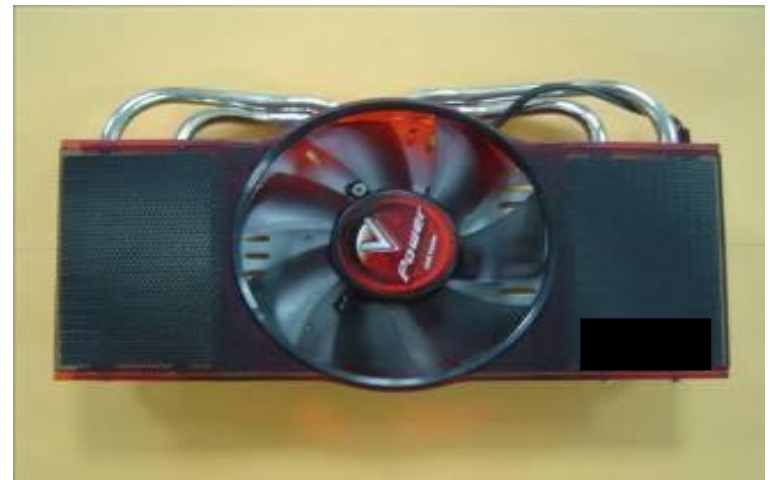
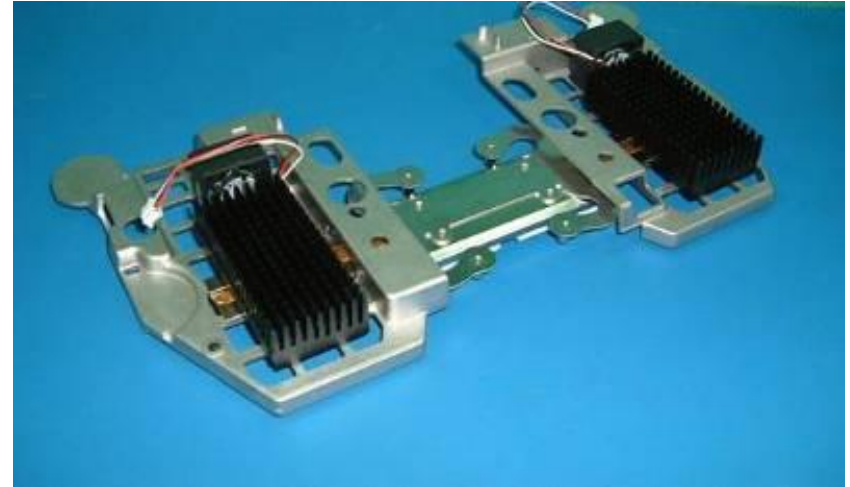
- Smart Phone
- Tablet
- NB
- Desktop
- Server





- Thermal Solution - Entertainment

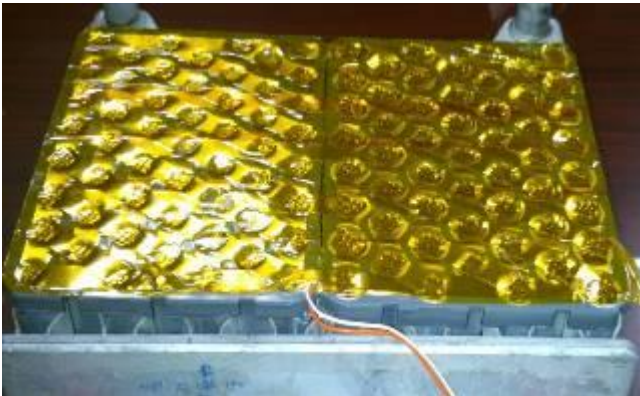
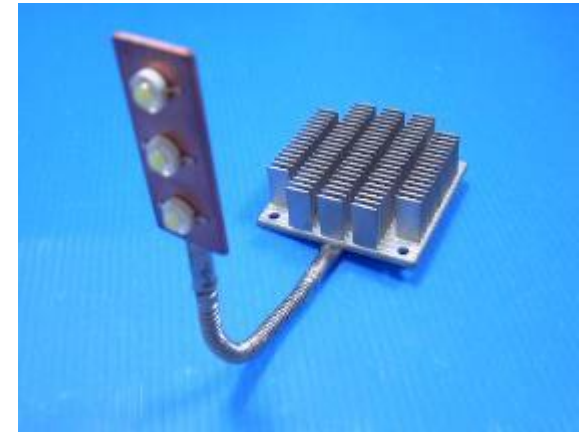
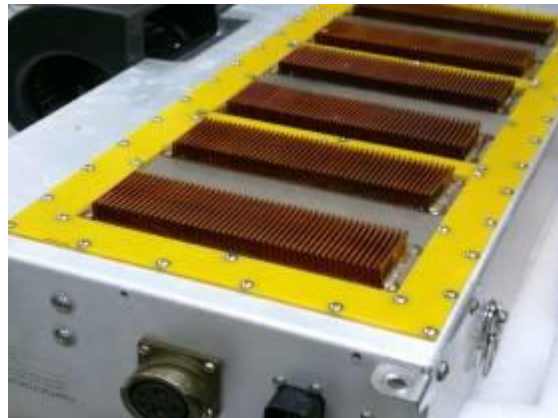
- Graphic card
- Gaming
- TV





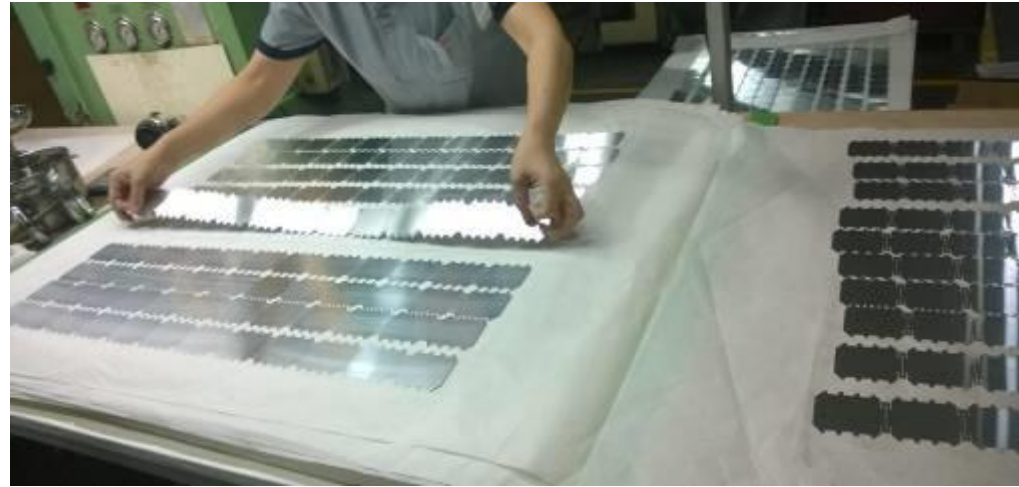
# CCI Service Capabilities - Products (Assembly)

- Thermal Solution - Car
  - Battery
  - Insulator Gate Bipolar Transistor
  - Adaptive Automotive Head Light





- Thermal Solution – Solar
  - Thermal Plate





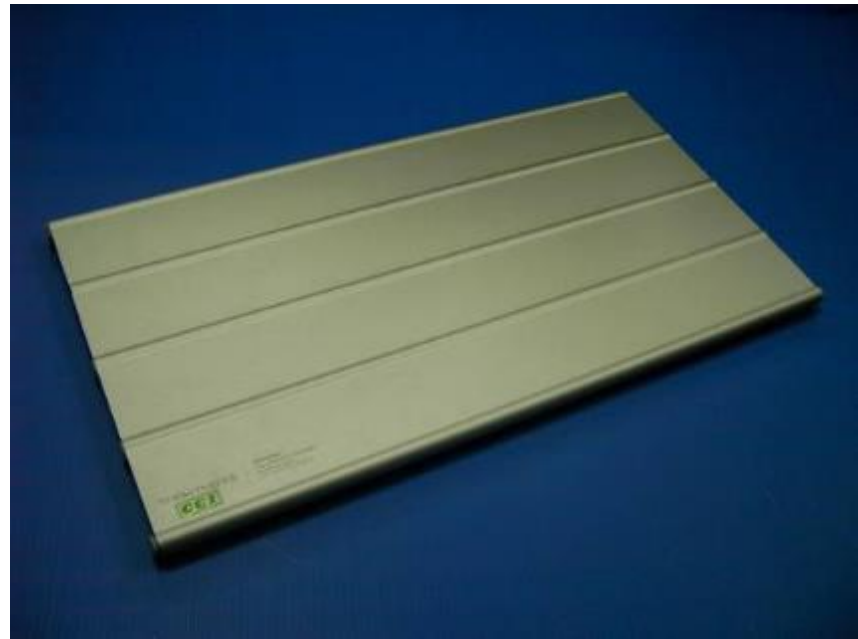


- Thermal Solution – Air Conditioning
  - Air to Air Heat Exchanger





- Thermal Solution – Tableware
  - Butter Knife
  - Thaw Plate



- Thermal Solution - Lighting
  - In Door Light
  - Street Light





CCI

# Service Capabilities - RD & MFG Sites



Beijing Office

- Engineer \*1

CSI Plant  
(Chungqing, China)  
ISO 9001  
ISO14001

- Thermal Module Assembly
- Engineer \*25

JCI Plants  
(Kunshan, China)  
ISO 9001  
ISO 14001 ; OHSAS 18001  
ISO 14040 ; ISO14064 ; QC08000

- Heat Pipe
- Thermal Module Assembly
- Engineer \*50

Taipei Plant  
(Taipei, Taiwan)  
ISO 9001 ISO14001  
OHSAS 18001

- Heat Pipe
- Vapor Chamber
- Specialized Thermal Solution
- R&D \*90

JiFu Plant  
(Donguan, China)  
ISO 9001  
ISO 14001  
OHSAS 18001  
TS 16949

- Thermal Module Assembly
- Al Extrusion Heat Sink
- Cosmetically
- Engineer \*35



# CCI Service Capabilities - Vertical Integration

**Product Total Thermal Solution**

**Mechanic & Thermal Inspection**

**Thermal Module Assembly**

**Heat Pipe / Vaper Chamber**

- Mesh
- Grooved
- Powder
- Fiber

**Fin / Heatsink**

- Stacked
- Extrusion
- Die casting
- Forging
- Skived

**Sheet Metal**

- Plate
- Fasten

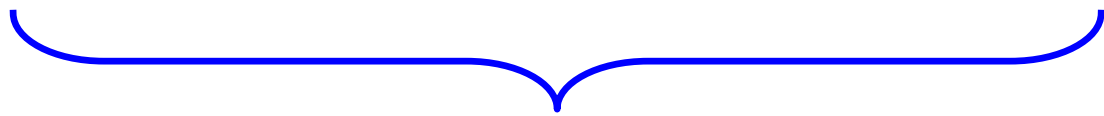
**Fan / Blower**

- Sleeve
- Ball Baring

**Graphite**

- Pyrolytic

**TIM**



CCI in house manufacture

CCI invest manufacture

CCI out-sourcing

**Thermal Solution Design**  
 Concept / Drawing / Simulation / Mock up Sample / Testing



# CCI Service Capabilities - Global Sales Office

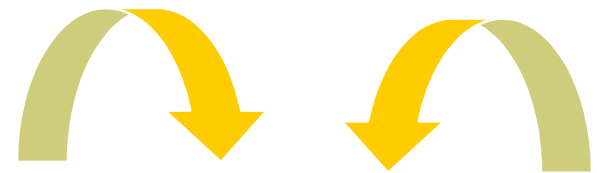


## Design QA

- JQE: NPRR, QMP, AQP, PPAP, SL, Ramp, MP, Continual Improvement by DMAICR
- SQE: Supplier Auditing, and CI Tracking
- RoHS

## Measuring / Calibrating Instrument Center

- Management of Measuring & Testing Instrument
- Calibrating of Measuring & Testing Instrument
- MSA: Measuring Capability Analysis by GRR



## Manufacturing QC

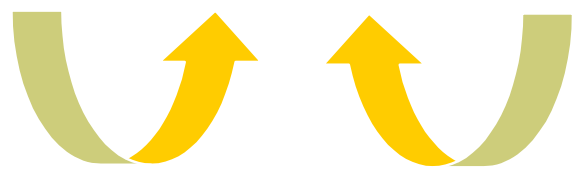
- IQC, PQC, IPQC, FQC, OQC
- FAI & LAI
- SPC on Line
- S-VLRR
- Weekly report
- OBA

## Customer Service

- Real Time Information Exchange
- In Time Customer Support
- Worldwide Service

## Document Control Center

- Documents Release Control
- Notice of Documents Change
- Filing and Assortment
- Documents Version Control



## Heat Pipe & Vapor Chamber Inspection

- Dimension Check : 100 %
- $\Delta T$  Thermal Test : 100 %
- $Q_{max}$  Performance Test : 100 %

## Thermal Module & Heat Sink Inspection

- Appearance Check : 100 %
- Critical Dimension Check : 100 %
- Thermal Test : 100 %

## CCI Policy -- TQM





All CCI factories are in full compliance with the RoHS Regulations. We guarantee that harmful or poisonous elements such as Cadmium, Lead, Mercury, PBB, PBDE, Chromium +6, HFR, and their compounds shall not be used in our products.

- Diversified Factories
- Expandable Capacity
- Vertical Integration Services
- ISO 9001/ISO 14001 Certification
- OHSAS 18001 Certification
- RoHS Compliant
- Large and Responsive R&D Team
- New Technology / Cost reduction Technology
- 100% Inspection and Testing of Heat Pipe, Vapor Chamber, Thermal Module, & Heat Sink
- Major supplier in Thermal Market

# Thank You



Visit [www.ccic.com.tw](http://www.ccic.com.tw) for more information