CNK Co., Ltd.
World best company
Contents

01/ Company profile

- CEO Greeting
- Company profile

02/ Company status

- Company history
- Company system
- Company view

03/ Major business content

- Field of business
- Vision
- Department Task Flow
- Main competitiveness

04/ The others

- Business partner
- Certifications
- Contact information
Nice to meet you.
This is CNK CEO Jane Kim.

CNK is PCB expert company which Started with PCB design and PCB production in 2005 and built the knowhow with many company researchers to develop.

Electronic fields are developed very fast and products life cycle is getting short, Even this difficult environment, We built the SMT line which give the ONESTOP-SERVICE of PCB design/PCB production/SMT/PBA/Ass’y in 2011 for our customer convenience and technical development. CNK always thinks the best quality and short delivery and does our best customer’s satisfaction. Also, CNK would do our best to get your trust and confidence.

CNK Co., Ltd. CEO Jane Kim
<table>
<thead>
<tr>
<th><strong>Company Profile</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Company name</strong></td>
</tr>
<tr>
<td><strong>CEO</strong></td>
</tr>
<tr>
<td><strong>Date of Incorporation</strong></td>
</tr>
<tr>
<td><strong>Business field</strong></td>
</tr>
<tr>
<td><strong>Address</strong></td>
</tr>
<tr>
<td><strong>Tel / Fax</strong></td>
</tr>
<tr>
<td><strong>HomePage</strong></td>
</tr>
<tr>
<td><strong>E-mail</strong></td>
</tr>
</tbody>
</table>
History in Brief

- **2011**
  - March: Corporation moved / started SMT production line (1 LINE)
  - September: Achieved ISO9001 / ISO14001 certification

- **2012**
  - June: Achieved Venture business certification
  - July: Moved on large building/ added SMT 1 LINE (REFLOW Nitrogen type extension / Vision Equipment expansion)
  - October: PBA(Hand mounting) 1 LINE extension

- **2013**
  - January: CNK Co., Ltd. was became to Incorporated company

- **2014**
  - January: R & D Center established
  - March: Gyeonggi Governor best entrepreneurs Award
  - April: MOUNTER(YAMAHA-YS12) New equipment installation
  - November: Achieved Certification of Good corporate to work, Gyeonggi
  - November: Presidential Youth Commission Youth Entrepreneur Award
  - December: Move to Seoul Gasan for expansion
  - PBA(Hand mounting) 1 LINE extension

- **2015**
  - September: Corporation moved (Seoul Gasan-dong -> Anyang)
  - October: Temperature and humidity chamber installation
  - October: Women-friendly companies Convention
  - November: Gyeonggi Small and Medium Business Administration Citation Award
  - November: Material parts specialist confirmed
Organization

Tech Institute
- H/W
- S/W
- Machine Development
- PCB Design (ARTWORK)

CEO

Strategy Planning Team

Front office

Quality
- Domestic sales
- Oversea sales

Sales
- Domestic sales
- Oversea sales

Production
- Production (SMT/PBA/Ass’y)
- Purchase/Management of materials
CNK’s One-Stop Service Solution

Business field

- ARTWORK
- Study / Development
- SMT / PBA
- ASS’Y (Box Build)
CNK Co., Ltd.

**High Quality**
- Leading manufacturing technology
- Obtain excellent technical personnel
- Thorough quality assurance

**Short Delivery Time**
- Production progressed batch processing
- Realize short delivery
- Thorough schedule management

**High Reliability**
- Customized system
- Unremitted efforts of change and improvement
- Trusted environment
Department Task Flow

“PCB Design”

**TECHNICAL**

- Tool: MENTOR, PADS, ALLEGRO
- Single ~ Multi Layer Board
- Build-up / HPL Board
- Plenty of design experience of DDR3
- Plenty of design experience of MOBILE
- Impedance Board
- Digital / Analog Board

• PADS
• ALLEGRO
• MENTOR
“Production – SMT (Surface Mounter Technology)”

- Plenty of experience of BGA production under 0.5mm
- Plenty of experience of CHIP production under 0402
- Reflow: N2 Type (2pcs) - 18
- Able to respond Board 600mm
 Departments Task Flow

“Production – PBA (Printed Board Assembly)”

- Plenty of experience of cross section
- Plenty of experience of Stone Zig use
- Plenty of experience of each condition (Temperature, Speed)
“Production – Ass’y (Box build)”

- Plenty of experience of Ass’y (Box build)
- Function inspection
- Packaging & Labeling including Bar Coding
# Main Competitiveness

## SMT Layout

<table>
<thead>
<tr>
<th></th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>YS12</td>
<td>SM421</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>YS12</td>
<td>SM421</td>
<td>SM421</td>
</tr>
</tbody>
</table>

## Line Capability (1 day/20 hours real CHIP standard)

<table>
<thead>
<tr>
<th>LINE</th>
<th>1st (point)</th>
<th>2nd (point)</th>
<th>3rd (point)</th>
<th>TOTAL (MAX)/1DAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>520,000</td>
<td>300,000</td>
<td>-</td>
<td>820,000</td>
</tr>
<tr>
<td>2</td>
<td>520,000</td>
<td>300,000</td>
<td>300,000</td>
<td>1,120,000</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td>1,940,000</td>
</tr>
</tbody>
</table>
Main competitiveness

**MOUNTER : YS12**

**SPECIFICATION**

**VENDOR : YAMAHA**
- Chip: 0201(0805) ~
- Multi: ~ 24mm
- Mounting speed: CHIP 36,000 cph (IPC9850)

**MOUNTER : SM421**

**SPECIFICATION**

**VENDOR : SAMSUNG**
- Chip: 0402(1005) ~
- Multi: ~ 56mm (72mm)
- Mounting speed: CHIP 21,000 cph (IPC9850)
Main competitiveness

**REFLOW : N70-i102SH**

- HEATING ZONE Q'ty : 10
- Cooling Zone Q’ty : 2
- VENDOR : TSM
- • Lowest Power Consumption / Lowest N2 Consumption

**SPECIFICATION**

**N2 Generator : TPM-N18RM-99**

- Volume : 18 m³
- Compact Size
- VENDOR : KSM
- • Lowest noise / Easy operation
Main competitiveness

AOI : MV-3L

- 10Mega Pixel Camera
- 6color lights
- Able to inspect open package, bottom chip bounce

ICT : ST-623F

- 320pcs Inspection channel
- Open / short : 1mA~100mA
- About 10,000 steps inspection Each inspection program

VENDOR : MIRTEC

VENDOR : TSC
Material Department

Materials Management
- Material classification management
- Temp. and humidity management
- Have dehumidification box (Chamber)
- Have industrial Oven

Customer Accommodations
- Have various R,L,C
- Substitution for purchasing
- Identify materials inventory

Industrial Oven
Dehumidification box
Material storage
Certifications
Address

#2F 29, Deokcheon-ro 48beon-gil, Manan-gu,
Anyang-si, Gyeonggi-do, 14087 Korea

Tel / Fax

TEL : +82-31-689-4500
FAX : +82-31-689-4520
CNK has ran only the way hard.

If you cooperate with our company, You would get CNK’s production capacity, technology adding to your company ability.
It is only the solution of Win-Win.

Thank you for your reading.
Thank you.