Shantou Goworld Display

Company Presentation
Founded in 1991

Shantou Goworld Display

GuangDong Goworld 75%

SanHua Development 25%

JOINT VENTURE
What we have

- 18-year Mass-P Experience
- 2 LCD Panel lines and 1 Module line
- Touch Panel Production Line
- Mono & Color & TFT Module
- Total asset over 500M RMB
Public Company

- In 1997
- Guangdong Goworld Co., Ltd.
- Shenzhen Stock Exchange
- Stock Code: 000823
- Stock Name: 搬
Organization Chart

Board of Directors

General Manager

Quality Representative

Vice General Manager

Chief Engineer

Market Dept

Planning & Purchasing Dept

HRM & SERVICE Dept

Quality Dept

Finance Dept

Design DEPT

R&D DEPT

Automotive Management Dept

Manufacturing Dept I

Manufacturing Dept II

Manufacturing Dept III

Manufacturing Dept
Employee Structure

Total: 1747

R&D: 124
(LCM Design: 35)

<table>
<thead>
<tr>
<th></th>
<th>Technical</th>
<th>Administrator</th>
<th>Operator</th>
<th>QC operator</th>
<th>Sales&amp;MKT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>377</td>
<td>81</td>
<td>992</td>
<td>259</td>
<td>38</td>
</tr>
<tr>
<td>percentage</td>
<td>22%</td>
<td>5%</td>
<td>56%</td>
<td>15%</td>
<td>2%</td>
</tr>
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</table>
PLANT(I) View

Building Area: 10,000 M²
Clean Room: 1,000 M²
Highest Clean Level: Class 100
Plant(II) View

- Building Area: 18,000 M²
- Clean Room: 4,000 M²
CSTN Line

Clean Level: Class 100
Financial History

Unit: RMB Million

```
<table>
<thead>
<tr>
<th>Year</th>
<th>Plant I</th>
<th>Plant II</th>
</tr>
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<tbody>
<tr>
<td>2001</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>2002</td>
<td>150</td>
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</tr>
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<td>2003</td>
<td>200</td>
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<tr>
<td>2004</td>
<td>250</td>
<td>250</td>
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<tr>
<td>2005</td>
<td>300</td>
<td>300</td>
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<tr>
<td>2006</td>
<td>400</td>
<td>400</td>
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<tr>
<td>2007</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>2008</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>2009</td>
<td>700</td>
<td>700</td>
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</table>
```
Sales Performance by Territory (2008)

- China: 43%
- Europe: 25%
- Asia: 16%
- America: 12%
- Others: 4%
Target Market

- Mobile Phone
- Dect Phone
- Home Appliance
- Automotive
- PDA
- GPS
- POS
- Instrument
Sales Performance by Products

2008

- Telecom: 48%
- Industrial Instrument: 23%
- Consumer Product: 9%
- Home Appliance: 10%
- Automotive: 7%
- PDA: 3%
The qualified supplier of:
Main Mobile Customer

ZTE
SIM
UT
AMOI
SK
SANGFEI
KONKA
Hisense
BIRD
VCALL
龙旗控股
Main Dect Phone Customer

Panasonic
ideas for life

vtech

Aztech
TOTAL POWER PERFORMANCE

THOMSON

Kingsway
COMPUTING SOLUTIONS INC.

Binatone
Main Home Appliance Customer
Main Automotive Customer

FIAT Group, Chrysler, Peugeot, CITRON

BENZ, BMW, Land Rover, AUDI

Borg in Germany, PSA (Citroen and Peugeot), GM

FORD, TOYOTA
Main POS TERMINAL Customer

urmet

VeriFone

Newland Group
Main Supplier

- TFT PANEL: CMO, AUO, LG, CPT
- ITO Glass /CF: LAIBAO, MICRO, MERCK, NANBO
- Liquid Crystal: MERCK, CHISSO, ADK, DAINIPPON OIL
- Polarizer: NITTO, POLATECHNO, OPTIMAX
- PCB: CCTC
- Backlight: YIHUA, BRILLIANT, OPTOPOWER
- FPC: COWIN, S.K.
- Touch Panel: GOWORLD
- Driver IC: SAMSUNG, EPSON, HITACHI, ULTRACHIP, NOVATEK, STRONIX, SOLOMON
Capability

- **Products:** TFT/CSTN/FSTN/STN/TN/ASTN/ETN/VD-LCD/TOUCH PANEL
- **Mother Glass:** 370x470mm
- **Glass Thickness:** 0.4 / 0.5 / 0.55 / 0.7 / 1.1mm
- **Minimum Dot Gap:** 8μm
- **Maximum Resolution:** VGA( 640 *RGB* 480 )
- **Color STN:** 4096, 65K, 262K color
- **Annual Capacity:** 140,000 m²
Product Development Procedure

- Customer
- Customer Demand
- Constant Improvement
- MP Stage
- Trial-run Stage
- Prototype
- Process Design & Development Stage
- Product Design & Development Stage
- Product Planning Stage
# Facility

<table>
<thead>
<tr>
<th>Facility</th>
<th>Manufacturer</th>
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<tbody>
<tr>
<td>Exposure</td>
<td>DNS</td>
</tr>
<tr>
<td>PI Coating</td>
<td>NAKAN</td>
</tr>
<tr>
<td>Rubbing</td>
<td>JOYO</td>
</tr>
<tr>
<td>Spacer Spraying</td>
<td>NISSIN</td>
</tr>
<tr>
<td>Assembly</td>
<td>JOYO</td>
</tr>
<tr>
<td>COG Bonding</td>
<td>TORAY, OSAKI</td>
</tr>
<tr>
<td>TAB Bonding</td>
<td>CHERUSAL</td>
</tr>
<tr>
<td>Laser Repairing</td>
<td>HOYA</td>
</tr>
<tr>
<td>Display Measure system</td>
<td>AUTRONIC</td>
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# Monthly Capacity

<table>
<thead>
<tr>
<th></th>
<th>2008</th>
<th>2009 Q4</th>
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<tbody>
<tr>
<td>LCM</td>
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<td></td>
</tr>
<tr>
<td>COG:</td>
<td>4.3KK</td>
<td>6KK</td>
</tr>
<tr>
<td>TAB:</td>
<td>1.6KK</td>
<td>1.6KK</td>
</tr>
<tr>
<td>SMT/COB:</td>
<td>500K</td>
<td>500K</td>
</tr>
<tr>
<td>Touch Panel:</td>
<td>300K</td>
<td>1KK</td>
</tr>
</tbody>
</table>
Quality Control System

**Quality Policy**
We ensure high quality product;
We promise in time service.

**Quality Certification**
- ISO9001 Certificated by SGS in 1997
- ISO/TS16949 Certificated by SGS in 2004
- ISO14001 Certificated by SGS in 2005
- IECQ QC080000 Certificated by SGS in 2008

Environmental Management System: ISO14001:2004
Quality Management

5S

TPM

6σ
R&D Support

- Best design proposal
- Alternative Solution
- Sample making based on project schedule
- Technical Interactions
- Co-testing, GW engineer support
- Continuous improvement
Service Highlight

- Cross-functional team
- Preferential resource collocation
- 24/7 Capability
- Flexible production plan control
- Effective communication
Complaint Management

- Fast response: in 24 hrs
- Initial analyzed conclusion: 3 days;
- Complete 8D report: 4 days;
- In-time communication with customer in special cases
- Following-up of corrective actions.
Employee Training System

- Outgoing Training Plan
  - Technical Training
  - Management Training
  - Business Training

- Internal Training System
  - Quality System
  - New Employee Training
  - Language Training
Colorful Life
Technology Road Map

1991-2006
1.51”-1.47” CSTN FSTN, STN, TN

2007
1.75”-1.4” CSTN 2.8”-2.2” CSTN Small Size TFT Alphanumeric GDV Touch Panel

2008
Transflective CSTN 1.9”-1.37” CSTN Industry Module Graphic GDV Capacitive TP Touch Lens Camera Module

2009
Mono TFT Transflective CSTN High Resolution FSTN Industry Module High Resolution GDV Capacitive Touch Lens

2010
Automotive TFT VGA CSTN Industry Module OLED Module
Contact Us

Marketing Department

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Thank you!
Have a nice day!