Global and China Flexible Printed Circuit Board (FPCB) Industry, 2011-2012

Feb. 2012

ResearchInChina
www.researchinchina.com

STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include NBS(National Bureau of Statistics of China), Wind, and Ministry of Industry and Information Technology of the P.R. China etc .

Abstract

FPCB was originally applied in HDD and ODD, witnessing considerably robust development; and the FPCB market was dominated by Japanese manufacturers before 2003. However, the popularity of camera phone in 2003 breathed new life into FPCB sector for manufactures in Chinese mainland, Taiwan and South Korea, ending the history of Japan as a dominant player in the market.

In 2005-2006, FPCB market embraced its first boom; in 2007, a cut-throat bargain competition took the stage; in 2007-2009, the average price of FPCB saw downward mobility for consecutive three years, a fall of more than 50% accumulatively. Subsequently, nearly one hundred small firms were forced to shut down, resulting in FPCB industry on a healthy growth track.

In addition, the FPCB downstream market was expanding to mobile phone, laptop computer, LED Light Bar sectors. In 2010, the FPCB industry turned a new leaf, with the market value hitting USD8191 million, up 21% over 2009.

For mobile phone, the functional modules are largely connected by FPCB. An additional FPCB is needed for one new functional module. Especially for the smart phone featuring complex internal structure and variety of functions, it demands massive FPCB. In 2011, touch screen became the standard configuration of a smart phone, sending the unit price of FPCB higher due to the more demanding technologies of FPCB required.

Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080
Phone: +86 10 82600828 ● Fax: +86 10 82601570 ● www.researchinchina.com ● report@researchinchina.com

People's pursuit for ultra-thin electronics is the driving force for the growth of FPCB market. And the popularity of tablet PC constitutes another engine. In 2012, Intel launched its hit product, UltraBook, a move which is also expected to promote the FPCB market. In 2011, the FPCB market size surged by 17% to USD9.569 billion, with the targeted figure in 2012 hitting USD10.68 billion, up 12%. Technologically, 2L has replaced 3L and become the mainstream.

Japanese corporations have maintained the position as a leader in FPCB market and, have long been dominating HDD and ODD FPCB market for almost two decades. Japanese manufacturers boast steady quality, massive capacity as well as production bases all across the globe.

Apple is the largest FPCB purchaser worldwide, with procurement approaching USD2 billion in 2011. Its products, including iPod, iTouch, iPad, iPhone and laptop, all need large quantities of FPCB. In the world, 6 FPCB suppliers are approved by Apple, including Japan-based NIPPON MEKTRON, SUMITOMO ELECTRONICS, FUJIKURA, America-based M-FLEX, Taiwan-based FLEXIUM and South Korea-based INTERFLEX.

Suffering triple blow of 311 Earthquake, Thailand flooding and appreciation of yen, Japanese enterprises, especially NOK, outperformed its counterparts in other countries. Except NOK, Japanese corporations don't place FPCB as their core business. FUJIKURA once would reduce the scale of its FPCB business. But in 2011, the iPad fever injected more confidence into Fujikura.

Among the South Korean manufactures, Samsung and LG are the leading players. For Samsung, Smartphone and tablet PC businesses have seen burgeoning growth, bringing huge profit to FPCB suppliers including Interflex which was approved by Apple. Additionally, Taiwan-based ZDT, affiliated to Honhai, developed so fast that has become one among the global top 10 PCB manufacturers after five years of development.

Moreover, there are Career, which relies on Mainland China's manufacturers and HTC, and Ichia, which is largely reliant on Nokia and HTC. Furthermore, MFS, a Singapore holding company with the production base located in Changsha, Hunan province, has VIP customer HGST which was took over by Western Digital Corp.

Revenue of Global Top FPCB Manufacturers, 2010-2012

Manufacturer	2010 (USD mln)	2011 (USD mln)	2012E (USD mln)
NOK	2,071	2,335	2,480
SEI	700	934	980
FUJIKURA	777	901	1,008
M-FLEX	803	831	960
ZDT	274	528	580
NITTODENKO	496	513	420
Interflex	362	460	577
CAREER	321	394	518
SI FLEX	306	345	360
SONY CHEMICAL	293	280	230
FLEXIUM	144	260	367
ICHIA	152	211	279
Sumitomo Bakelite	214	188	130
FLEXCOM	134	155	216
BHflex	96	133	181
MFS	137	125	80
PARLEX	69	70	70
Newflex	60	54	50
DAECUCK GDS	78	121	165

For the FPCB manufactures in Mainland China, they are characteristic of very small scale and laggard technologies and, hard to gain recognition from foreign leading manufacturers. However, benefiting from the huge mobile phone industry in China, Chinese FPCB companies have seen substantial growth, with representative ones including BYD, Three Golds, ZTE XINGYU FPC, KINWONG, JINGCHENGDA, NETRON SOFT-TECH, JIAZHIHONG and ZHUHAI TOPSUN.

Table of contents

Selected Charts

- FPCB Market Size, 2007-2013
- FPCB Downstream Market, 2007-2013
- FPCB Suppliers of Nokia and Proportion by Value, 2011
- FPCB Suppliers of Samsung and Proportion by Value, 2011
- FPCB Suppliers of LG and Proportion by Value, 2011
- FPCB Suppliers of Apple and Proportion by Value, 2011
- Revenue and Operating Income of Fujikura Electronics Shanghai, 2004-2010
- Revenue and Operating Income of Fujikura Electronics Wuxi, 2006-2010
- Organization of Mektron
- Revenue and Operating Income of NOK, FY2006-FY2011
- Revenue of NOK by Product, FY2006-FY2012
- Revenue of NOK by Region, FY2010-FY2011
- Revenue from FPCB Business of MEKTRON, FY2010-FY2012
- Revenue and Operating Income of MEKTEC Manufacturing Corporation (Zhuhai), 2004-2010
- Revenue and Operating Margin of NOK, FY2000-FY2011
- Revenue and Operating Income of NITTO DENKO, FY1999-FY2011
- Revenue and Operating Income of M-FLEX, FY2004-FY2011
- Revenue and Gross Margin of M-FLEX, Q1 2010-Q4 2011
- Customer Structure of M-FLEX, FY2006-FY2012
- Revenue of M-FLEX by Region, FY2006-FY2011
- Revenue and Gross Margin of Flexium, 2002-2012
- Revenue and Operating Margin of Flexium, 2002-2012
- Revenue and Annual Growth Rate of Flexium, Jan. 2010-Jan. 2012
- Revenue of Flexium by Application, 2009-2012
- Affiliated Companies of CAREER

Selected Charts

- Organization of CAREER
- Revenue and Operating Margin of CAREER, 2003-2012
- Revenue and Annual Growth Rate of CAREER, Jan. 2010-Jan. 2012
- Shareholder Structure of ZHUHAI TOPSUN
- Organization of TOPSUN
- Revenue of ZHUHAI TOPSUN by Application, 2007-H1 2010
- Revenue of ZHUHAI TOPSUN by Product, 2007-H1 2010
- Customer Distribution of ZHUHAI TOPSUN, H1 2010
- Major Customers of AKM
- Organization of JINGCHENGDA
- Organization of KINWONG
- Organization of JIAZHIHONG
- Production Flow Chart of JIAZHIHONG
- Production Flow Chart of THREE GOLDS
- Revenue and Net Income of Sumitomo Bakelite, FY2005-FY2012
- Revenue and Operating Income of SI FLEX, 2007-2011
- Organization of SI FLEX
- Revenue and Operating Income of Sumitomo Electric Industries, FY2005-FY2012
- Revenue of Sumitomo Electric Industries by Division, FY2008-FY2009
- Revenue from FPCB Division of Sumitomo Electric Industries, FY2008-FY2012
- Revenue and Operating Margin of DAEDUCK GDS, 2005-2012
- Revenue of DAEDUCK GDS by Business, 2010-2012
- Revenue and Operating Margin of Interflex, 2003-2012
- Revenue of Interflex by Product, Q12010-Q4 2011
- Revenue and Operating Income of BHflex, 2005-2012

Selected Charts

- Organization of BHflex
- Revenue and Operating Income of Newflex, 2005-2011
- Revenue and Operating Margin of FLEXCOM, 2006-2012
- Revenue of FLEXCOM by Customer, 2011
- Revenue and Profit of MFS Attributable to Shareholders, 2006-2011
- Revenue of MFS by Region, 2008-2011
- Organization of Ichia
- Revenue and Operating Margin of Ichia, 2006-2012
- Revenue and Operating Margin of Taiflex, 2002-2011
- Revenue and Annual Growth Rate of Taiflex, Jan.2010-Jan.2012
- Revenue of Taiflex by Product, Feb. 2009-2011
- Customers of Taiflex, Q1 2011
- Revenue and Annual Growth Rate of ThinFlex, Jan.2010-Jan. 2012
- Revenue and Operating Income of NIPPON STEEL CHEMICAL, FY2005-FY2012
- Revenue of NIPPON STEEL CHEMICAL by Product, FY2006-FY2012
- Revenue and Operating Margin of Arisawa, FY2006-FY2012
- Revenue and Gross Margin of Arisawa, FY2006-FY2012
- Revenue of Arisawa by Product, FY2006-FY2012
- Revenue and Operating Margin of MICROCOSM, 2003-2011
- Revenue and Annual Growth Rate of MICROCOSM, Jan.2010-Jan.2012
- Organization of AEM
- Revenue and Operating Margin of TAIMIDE, 2005-2011
- Revenue of Global FPCB Industry by Region, 2009-2011
- Revenue of Global FPCB Industry by Region, 2010-2011
- Ranking of Japanese FPCB Manufacturers by Revenue, 2009-2011

Selected Charts

- Ranking of South Korean FPCB Manufacturers by Revenue, 2009-2011
- Ranking of Taiwanese FPCB Manufacturers by Revenue, 2009-2011
- Revenue of Leading FPCB Manufacturers Worldwide, 2010-2012
- Market Share of Major FPCB Manufacturers in Mainland China, 2011
- Thailand Base of FUJIKURA
- Revenue and Operating Income of FUJIKURA, FY2004-FY2012
- Revenue of FUJIKURA by Division, FY2008-FY2012
- Operating Income of FUJIKURA by Division, FY2007-FY2012
- Revenue from Electric Fitting Division of FUJIKURA, FY2008-FY2012
- Financial Data of NITTO DENKO Suzhou, 2007-2009
- Financial Data of SONY CHEMICAL Suzhou, 2004-2010
- Revenue of M-FELX by Country, FY2006-FY2011
- Operating Income of M-FELX by Region, FY2006-FY2011
- Structure of Revenue from Sony Ericsson and Motorola of M-FLEX, FY2006-FY2008
- Financial Performance of SuZhou Thin Well Electronics, 2004-2009
- Shipment of FLEXIUM's Mobile Phone and Tablet PC FPCB, Q1 2010-Q4 2011
- FPCB Engineering Capability of FLEXIUM
- Introduction to CAREER's Divisions
- Capacity of CAREER by Product, End 2011
- Major Business of CAREER by Plant, 2011
- Financial Data of Three Subsidiaries of CAREER in Mainland China, 2009
- Financial Data of Three Subsidiaries of CAREER in Mainland China, 2007-2008
- Monthly Revenue and Growth Rate of SUNFLEX, Jan.2010-Jan.2012
- Introduction to SUNFLEX's Divisions
- FPCB Technology Capability of TOPSUN

Selected Charts

Selected Charts

- Revenue of TAIMIDE by Customer, 2010-2011
- Revenue and Operating Margin of INNOX, 2005-2012
- Revenue of INNOX by Product, 2008-2013
- Revenue of INNOX by Customer, 2011

ResearchInChina

The Vertical Portal for China Business Intelligence

How to Buy

You can place your order in the following alternative ways:

1.Order online at www.researchinchina.com

2.Fax order sheet to us at fax number:+86 10 82601570

3. Email your order to: report@researchinchina.com

4. Phone us at +86 10 82600828/ 82601561

Choose type of format

Hard copy ………………….……..2,600 USD

PDF (Single user license) …………..2,500 USD

PDF (Enterprisewide license)…....... 3,900 USD

※ Reports will be dispatched immediately once full payment has been received. Payment may be made by wire transfer or credit card via Paypal.

Party A:			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

Party B:			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	report@researchinchina.com	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng,Landianchang,Haidian District,Beijing Bank Account No #: 110060668012015061217 Routing No # : 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	**Format**	**Cost**
Total		

ResearchInChina

www.researchinchina.com