

建造了新的後製廠房。在 2000 年停止生產 PCB 的 Canon Components，在泰國蓋了新的 PCB 廠。在 2011 年「世紀水災」受到嚴重的 Fujikura 已經重建其兩座毀損的廠房，同時建立了一間「高於海平面 28 公尺」的新廠。Fujikura 希望在 2015 年達到美金 6 億的輸出額。考量到這些投資

項目，泰國的 PCB 輸出值在幾年內就會趕上歐洲。然而泰國所有大型廠商均為日本或台灣出資。因此泰國部分 NTI-100 的進榜名單僅有 KCE Electronics 這一家。筆者可以向各位讀者擔保 2013 年度的 NTI-100 名單將會與 2012 年度大大不同。

表四、2012 年全球 PCB 百大排行

單位：百萬美金

Rank	Maker	Nationality	2011	2012	Growth	Comments
1	Nippon Mektron	Japan	2,426	2,888	19.0%	Apple Effect
2	Unimicron	Taiwan	2,329	2,383	2.3%	Now supplying Intel
3	SEMCO	Korea	1,526	2,002	31.2%	Samsung Effect
4	Young Poong Group	Korea	1,438	2,000	39.1%	Apple & Samsung Effect
5	Ibiden	Japan	2,154	1,924	-10.7%	Intel Down, FCCSP Up
6	Zhen Ding Technology	Taiwan	1,502	1,881	25.2%	More than 50% for Apple
7	Tripod	Taiwan	1,386	1,326	-4.3%	Xiantao plant working
8	TTM Technologies	USA	1,390	1,310	-5.7%	Bet on cellphones
9	Sumitomo Denko	Japan	924	1,219	31.9%	More than 50% for Apple
10	Daeduck Group	Korea	1,022	1,147	12.2%	Diversified portfolio
11	HannStar Board (GBM)	Taiwan	1,382	1,112	-19.5%	NB motherboard down
12	Viasystems	USA	866	1,080	24.7%	Recovering from fire
13	Nanya PCB	Taiwan	1,315	1,007	-23.4%	Intel business coming back
14	Kingboard PCB Group	HK/China	1,046	935	-10.6%	Mixed results from group
15	CMK Corporation	Japan	1,075	908	-15.5%	Revenue down, profit up
16	Shinko Electric Ind	Japan	889	869	-2.2%	New FC BGA plant
17	Mflex	USA	832	819	-1.6%	Apple dependent
18	Kinsus (+Plotek)	Taiwan	770	788	2.3%	Bought new land
19	Compeq Mfg	Taiwan	749	783	4.5%	\$125 SMT not included
20	Meiko Electronics	Japan	789	759	-3.8%	China de-emphasized
21	TPT (Taiwan Techvest)	Taiwan	566	722	27.6%	No news
22	AT&S	Austria	663	698	5.3%	EUR 350 million for IC
23	Multek	USA	670	650	-3.0%	German & Brazil closed
24	WUS Group	Taiwan	630	644	2.2%	New plant almost ready
25	LG Innotek	Korea	476	600	26.0%	HDI Substrate, RFC
26	Chin Poon Industry	Taiwan	539	595	10.4%	65% automotive
27	Simmtech	Korea	583	580	-0.5%	New FCCSP plant
28	Gold Circuit Electronics	Taiwan	575	550	-4.3%	Recovered from fire
29	Nitto Denko	Japan	547	516	-5.7%	Slow PC sales affected
30	Hitachi Chemical	Japan	601	494	-17.8%	Re-organizing
31	Career Technology	Taiwan	387	483	24.8%	Steady growth

Rank	Maker	Nationality	2011	2012	Growth	Comments
32	SI Flex	Korea	403	467	15.9%	Digitizer FPC contributed
33	Ellington	HK/China	430	441	2.6%	Emphasis on automotive
34	Unitech PCB	Taiwan	530	433	-18.3%	10% growth expected
35	Toppan-NEC	Japan	484	412	-14.9%	Re-organization
36	Isu-Petasys	Korea	385	390	1.3%	More than \$150M >18L
37	Panasonic PCB Grp	Japan	425	388	-8.7%	Re-organization
38	Kyoden	Japan	389	386	-0.8%	Little change
39	Fujitsu	Japan	380	380	0.0%	Little change
40	Sanmina	USA	400	380	-5.0%	Malaysia closed
41	Flexium Technology	Taiwan	256	376	46.9%	Thank you, Apple!
42	MGC(UH+TCI)	Japan	390	375	-3.8%	Doing not so badly
43	DYnamic Electronics	Taiwan	394	372	-5.6%	Profit oriented
44	Founder Technology	HK/China	338	366	8.3%	NO.1 China owned
45	Shennan Circuits	HK/China	338	345	2.1%	Building substrate plant
46	Flexcom	Korea	170	331	94.7%	Thank you, Samsung!
47	Kyocera SLC	Japan	331	312	-5.7%	\$150M new plant
48	CCTC	HK/China	305	304	0.0%	Little change
49	DAP	Korea	203	295	45.3%	Thank you, Samsung!
50	Redboard	HK/China	203	290	42.8%	Chinese mobile makers
51	Shirai Denshi	Japan	285	281	-1.4%	AVI business is strong
52	ASE	Taiwan	320	270	-15.6%	Kaoshiung & Shanghai
53	Wuzhou Group	HK/China	245	270	10.2%	Emphasis on HDI
54	Gul Technology	Singapore	237	267	12.7%	Continue to do well
55	Yang An	Taiwan	150	261	74.0%	No idea what goes on
56	Boardtek	Taiwan	264	250	-5.3%	High tech PCB
57	Elna	Japan	274	246	-10.2%	Management change
58	Shye Feng Grp (APEX)	Taiwan	228	245	7.5%	APEX Thai expanding
59	APCB	Taiwan	264	245	-7.2%	Better profit
60	KCE Group	Thailand	240	237	-1.2%	Building a new plant
61	3CEMS	Taiwan	286	236	-17.5%	Not so good
62	Daisho Denshi	Japan	256	227	-11.3%	Hitachi Chem has 19.8%
63	Fujikura	Japan	599	223	-62.8%	Recovering from flooding
64	Kinwong	HK/China	199	219	10.0%	Three plants
65	BH Flex	Korea	146	215	47.3%	Digital display
66	A-PLUS	Taiwan	218	211	-3.2%	No idea what goes on
67	Aoshikang	HK/China	140	200	42.8%	Greater emphasis on HDI
68	Ichia Technology	Taiwan	210	196	-6.7%	60% is said to be FPC
69	Dongguang Xinda	HK/China	154	195	26.6%	No idea what goes on
70	Kunshan Huashin	HK/China	207	194	-6.3%	No idea what goes on

Rank	Maker	Nationality	2011	2012	Growth	Comments
71	Kyosha	Japan	200	187	-6.5%	
72	Olympic	HK/China	99	180	82.0%	Largest SSB maker
73	3M	USA	180	180	0.0%	New HDI Plant
74	Shenzhen Suntak	HK/China	145	175	20.7%	This is a pure guess
75	Cosmotech	Korea	160	171	6.9%	Failed to go public
76	STEMCO	Korea	142	160	12.7%	SEMCO associated
77	Shenzhen Fast Print	HK/China	148	159	7.4%	No idea what goes on
78	Samsung Techwin	Korea	145	158	9.0%	Bought eXception Circuit
79	Wuerth Electronics	Germany	167	157	-6.0%	No idea what goes on
80	Tigerbuilder	HK/China	140	150	7.1%	Poor 2012, better 2013
81	Liang Dar	Taiwan	151	149	-1.3%	Thank you, ZTE
82	Victory Giant Technology	HK/China	129	148	17.7%	Conservative
83	SEIL Electronics	Korea	101	143	41.6%	Newly discovered in 2011
84	Onpress	HK/China	145	142	2.0%	HDI + MLB, RFC, etc
85	Eastern	Japan	175	138	-21.1%	Gold plating Champion
86	Jiangsu Suhang	HK/China	151	138	-8.6%	NTK has now 33.4%
87	Sun & Lynn	HK/China	113	135	19.5%	No idea what goes on
88	Top Search	HK/China	146	135	-7.5%	New plant operational
89	Shenzhen Bomim	HK/China	140	129	-7.8%	Continue to decline
90	Schweizer Electronics	Germany	135	128	-1.5%	Growth slowed a bit
91	Shinko Mfg	Japan	130	125	-3.8%	New JV with Meiko
92	NTK	Japan	170	124	-27.0%	Sumitomo Mining Subsid.
92	Sanwa Electronics	Japan	128	122	-4.7%	Bought 33.4% of Eastern
94	Yamamoto Mfg	Japan	137	120	-12.4%	Steady growth
95	Huading	HK/China	120	120	0.0%	What happened?
96	Brain Power	Taiwan	126	118	-6.6%	No idea what goes on
97	Oki Printed Circuit	Japan	116	118	1.7%	No idea what goes on
98	Kunshan Wanzheng	HK/China	112	117	4.5%	Stays flat
99	MFS	Singapore	129	117	-9.3%	No idea what goes on
100	Plotech	Taiwan	128	116	-9.4%	Continues to shrink
101	Duangdong Chouhua	HK/China	110	110	0.0%	No idea what goes on
102	Shin Asahi Denshi	Japan	106	106	0.0%	Not sure about this reven
103	Tat Chun	HK/China	110	105	-4.5%	SSB maker doing well
104	Somacis	Italy	90	103	14.4%	Departed with Iis-Petasys
105	Kyoei Sangyo	Japan	94	101	7.4%	Italy, China and San Diego
106	Aiko Kiki	Japan	107	100	-6.5%	Surprise come-back
	Top 105 Growth Rate	48,548	50,287	3.6%	Surprise	