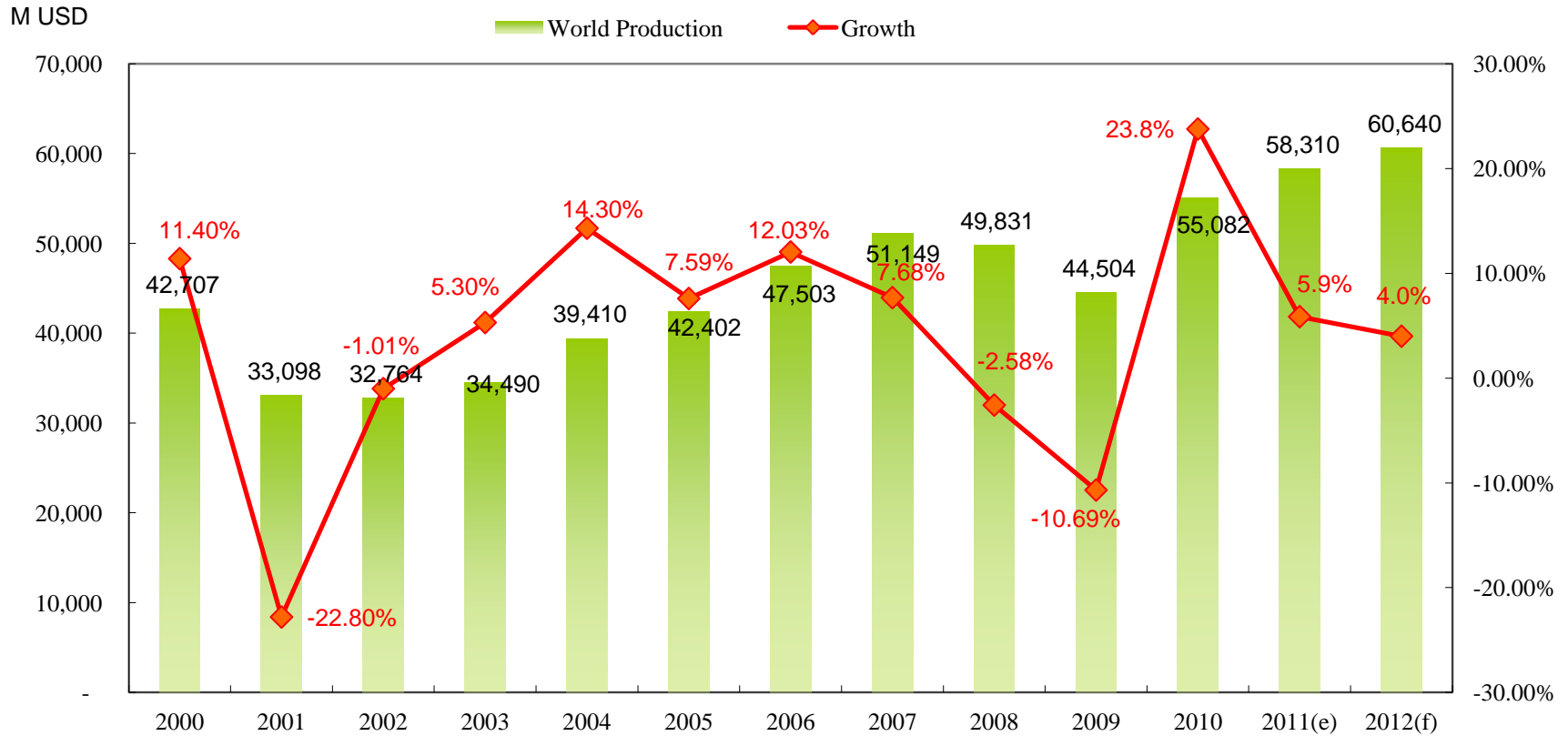


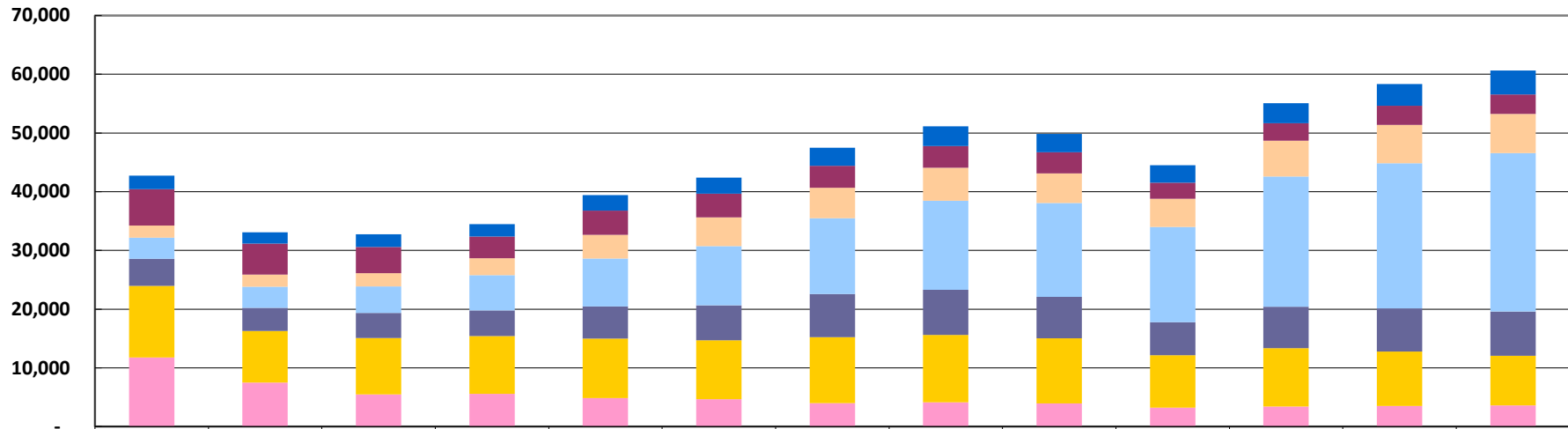
World PCB Production



World PCB Production by Region

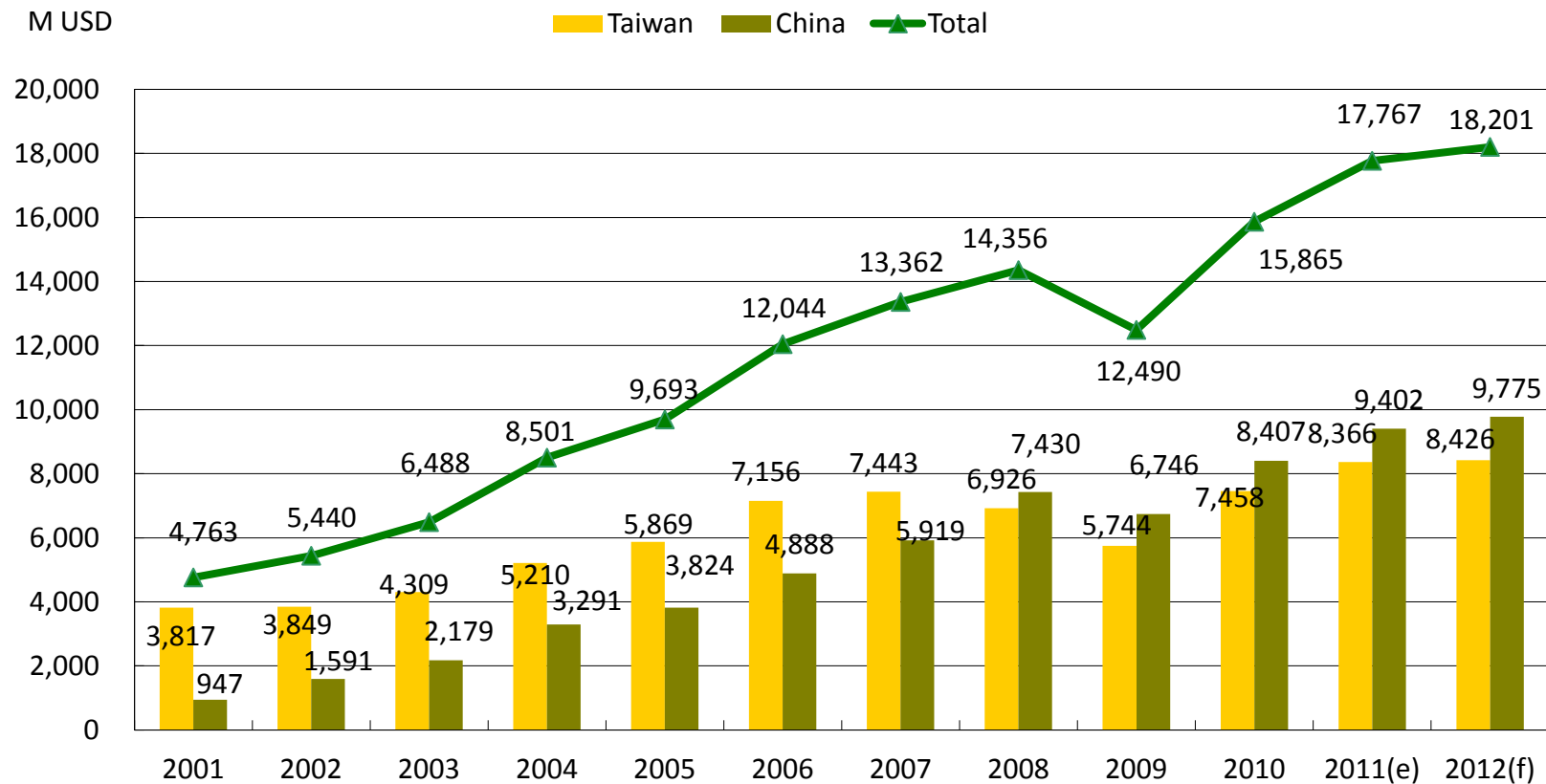
M USD

Other Asia Europe S.Korea China Taiwan Japan America



	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011(e)	2012(f)
Other Asia	2,280	1,950	2,164	2,106	2,622	2,750	3,080	3,375	3,136	2,965	3,437	3,670	4,105
Europe	6,189	5,285	4,473	3,708	4,155	4,035	3,755	3,720	3,598	2,725	2,963	3,275	3,310
S.Korea	2,053	2,042	2,258	2,890	3,995	4,890	5,198	5,576	5,040	4,818	6,087	6,520	6,650
China	3,635	3,595	4,499	6,010	8,167	10,060	12,880	15,200	15,977	16,200	22,185	24,740	27,000
Taiwan	4,600	3,925	4,270	4,358	5,496	5,980	7,350	7,645	7,045	5,646	7,076	7,320	7,510
Japan	12,190	8,780	9,607	9,835	10,106	9,995	11,230	11,513	11,073	8,930	9,895	9,260	8,470
America	11,760	7,521	5,493	5,583	4,869	4,692	4,010	4,120	3,962	3,220	3,439	3,525	3,595

Taiwanese PCB Production Trend

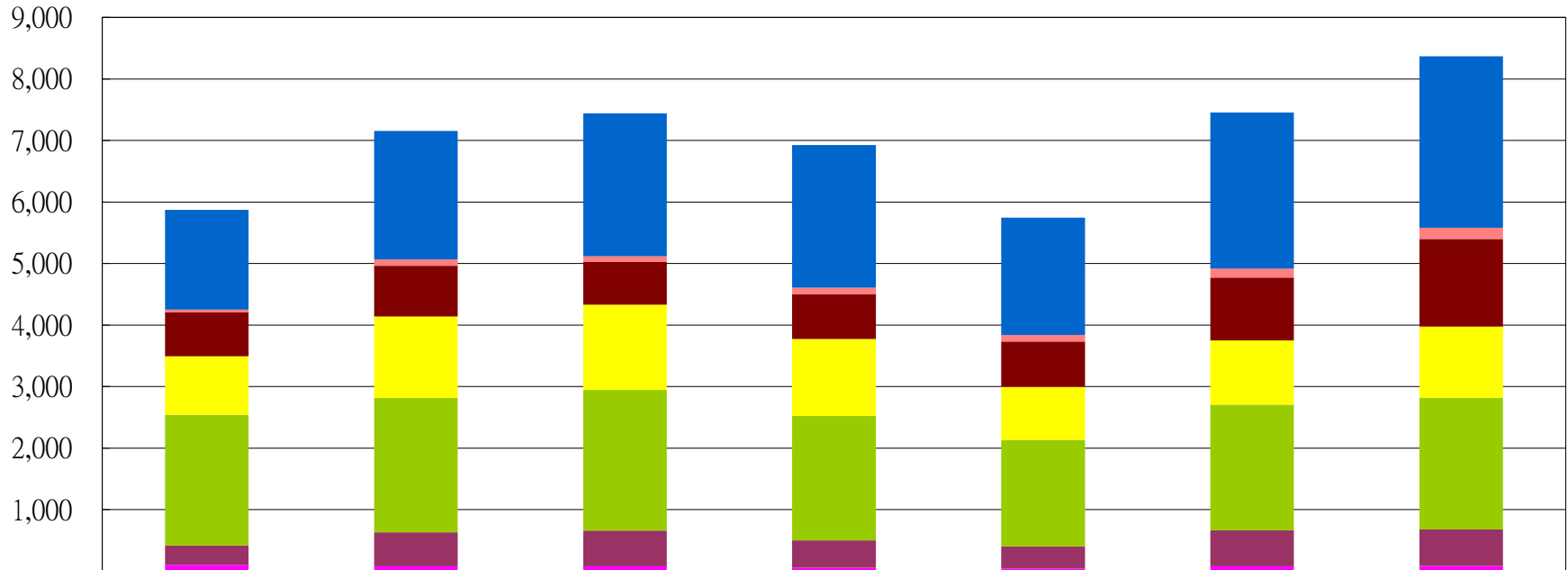


Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011(e)	2012(f)
USD:NTD	33.80	34.58	34.42	33.42	32.17	32.53	32.84	31.517	33.049	31.642	29.424	30

Taiwan PCB Product Distribution

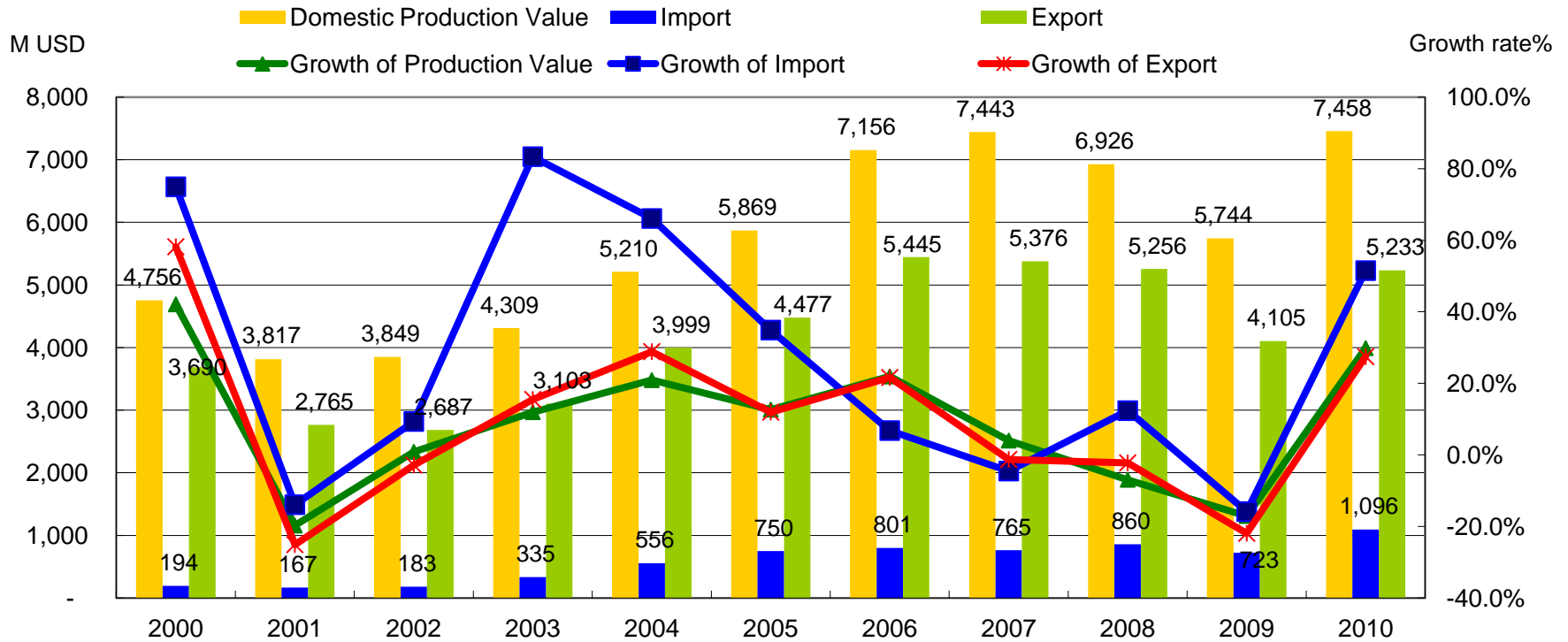
M USD

Single Side Double Side Multilayer Microvia FPC Rigid-Flex IC Substrate



	2005	2006	2007	2008	2009	2010	2011(e)
IC Substrate	1,617	2,090	2,325	2,316	1,906	2,541	2,787
Rigid-Flex	47	105	94	104	105	144	179
FPC	715	824	692	730	736	1,020	1,427
Microvia	948	1,322	1,386	1,250	862	1,048	1,156
Multilayer	2,130	2,186	2,284	2,025	1,733	2,042	2,141
Double Side	311	553	582	444	363	583	593
Single Side	103	77	80	57	39	80	85

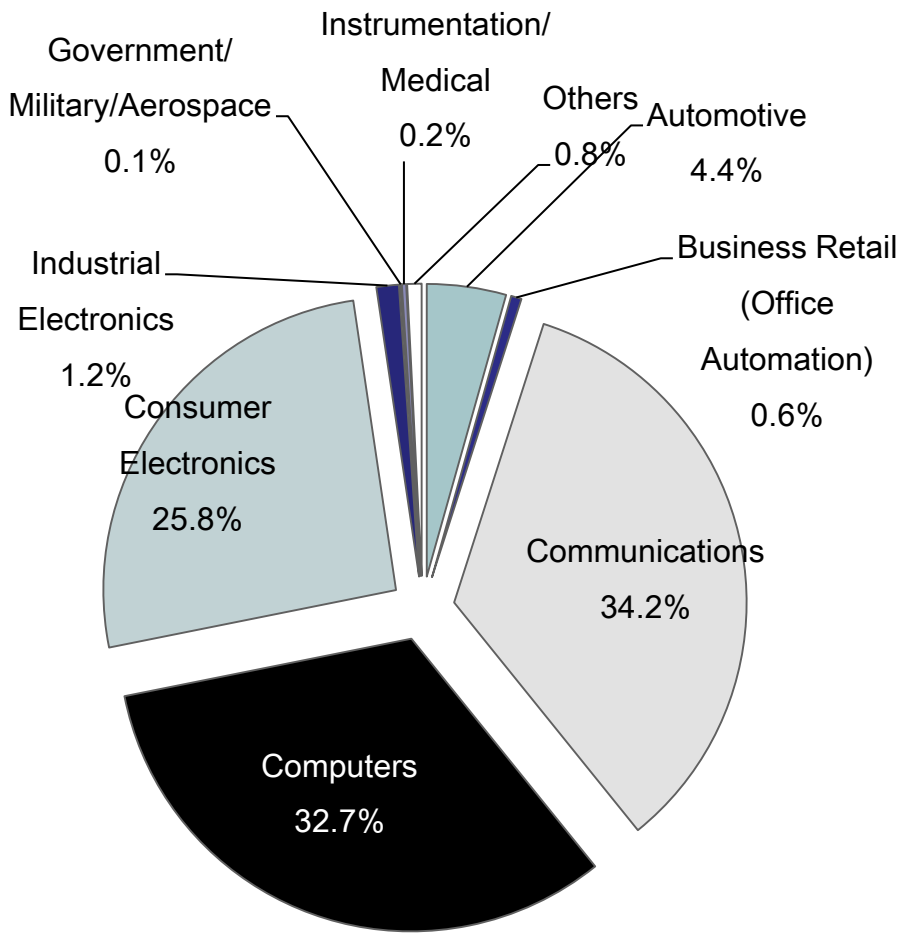
Export and Import of Taiwan PCB industry



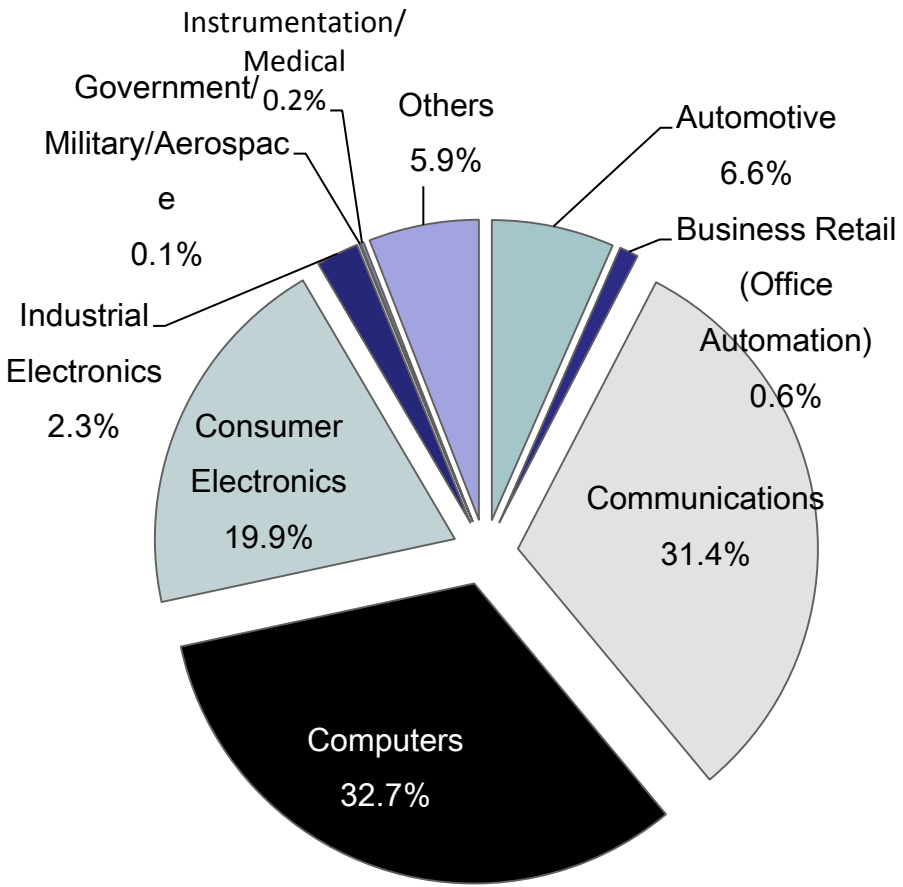
M USD	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Domestic	4,756	3,817	3,849	4,309	5,210	5,869	7,156	7,443	6,926	5,744	7,458
Import	194	167	183	335	556	750	801	765	860	723	1,096
Export	3,690	2,765	2,687	3,103	3,999	4,477	5,445	5,376	5,256	4,105	5,233
Growth of Domestic	42.1%	-19.7%	0.9%	12.0%	20.9%	12.7%	21.9%	4.0%	-7.0%	-17.1%	29.8%
Growth of Import	74.9%	-13.9%	9.3%	83.4%	66.1%	34.9%	6.8%	-4.5%	12.4%	-15.9%	51.5%
Growth of Export	58.2%	-25.1%	-2.8%	15.5%	28.9%	12.0%	21.6%	-1.3%	-2.2%	-21.9%	27.5%

2009-2010 The Application of Taiwan PCB Products

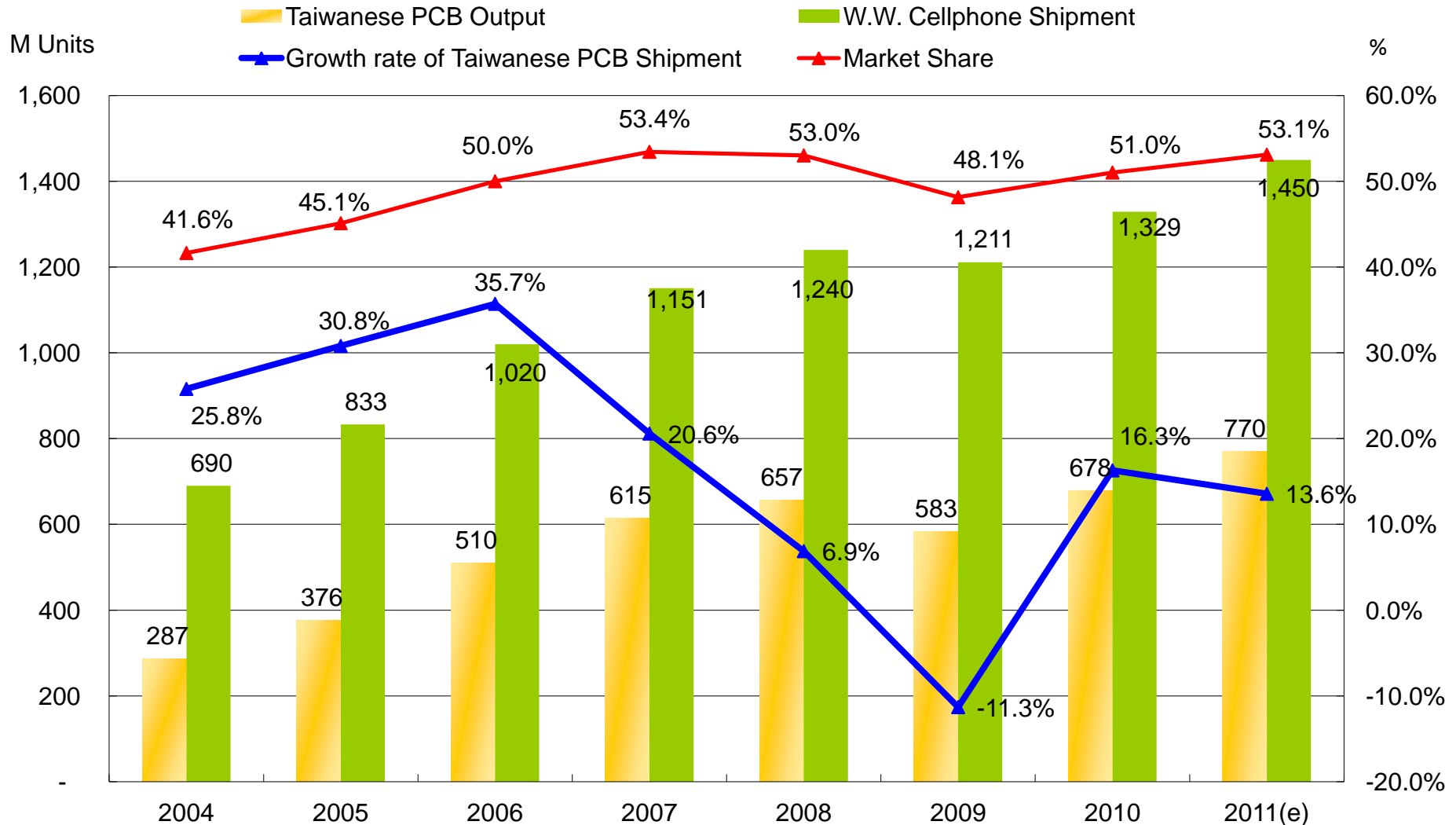
2009



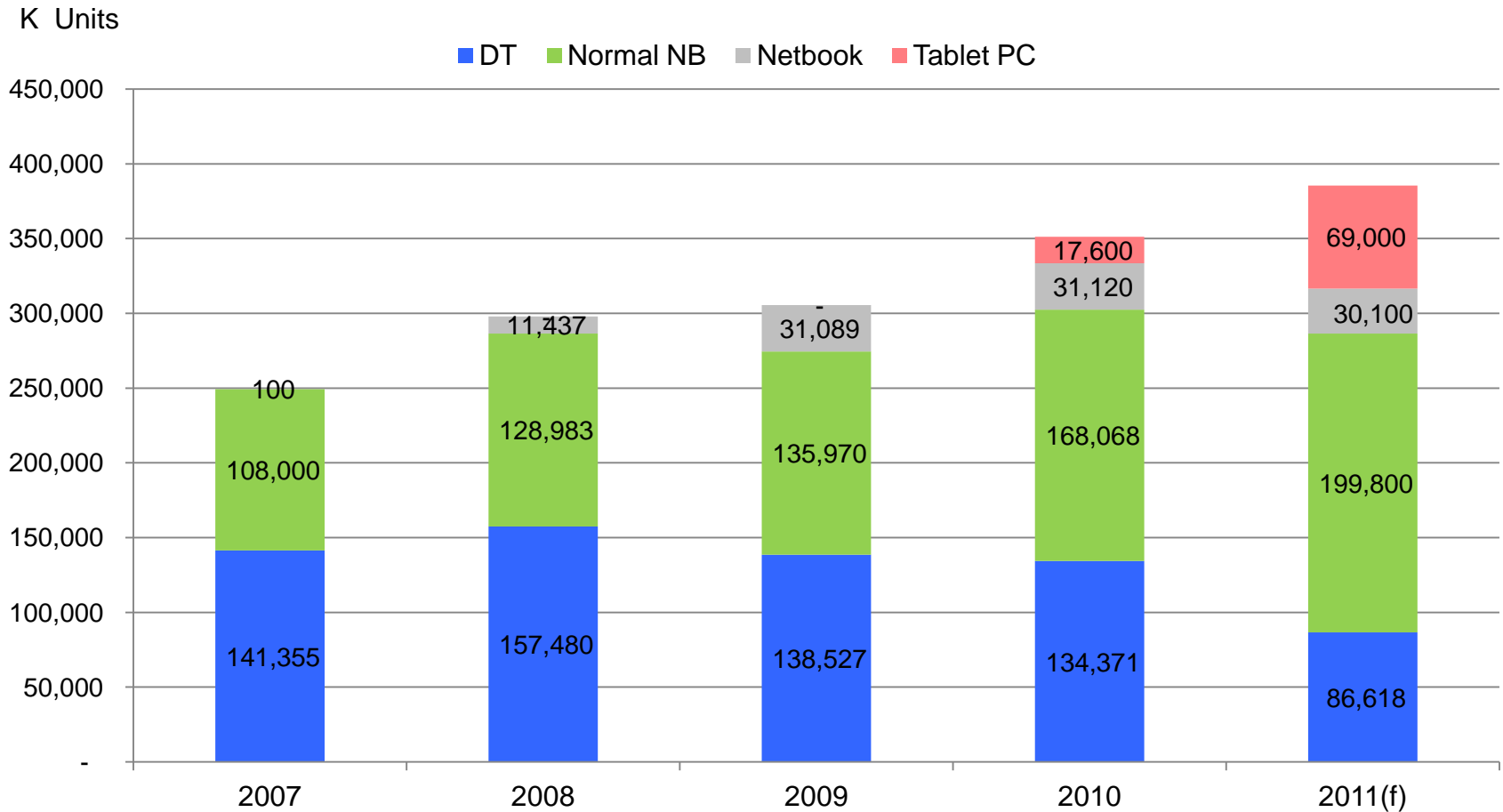
2010



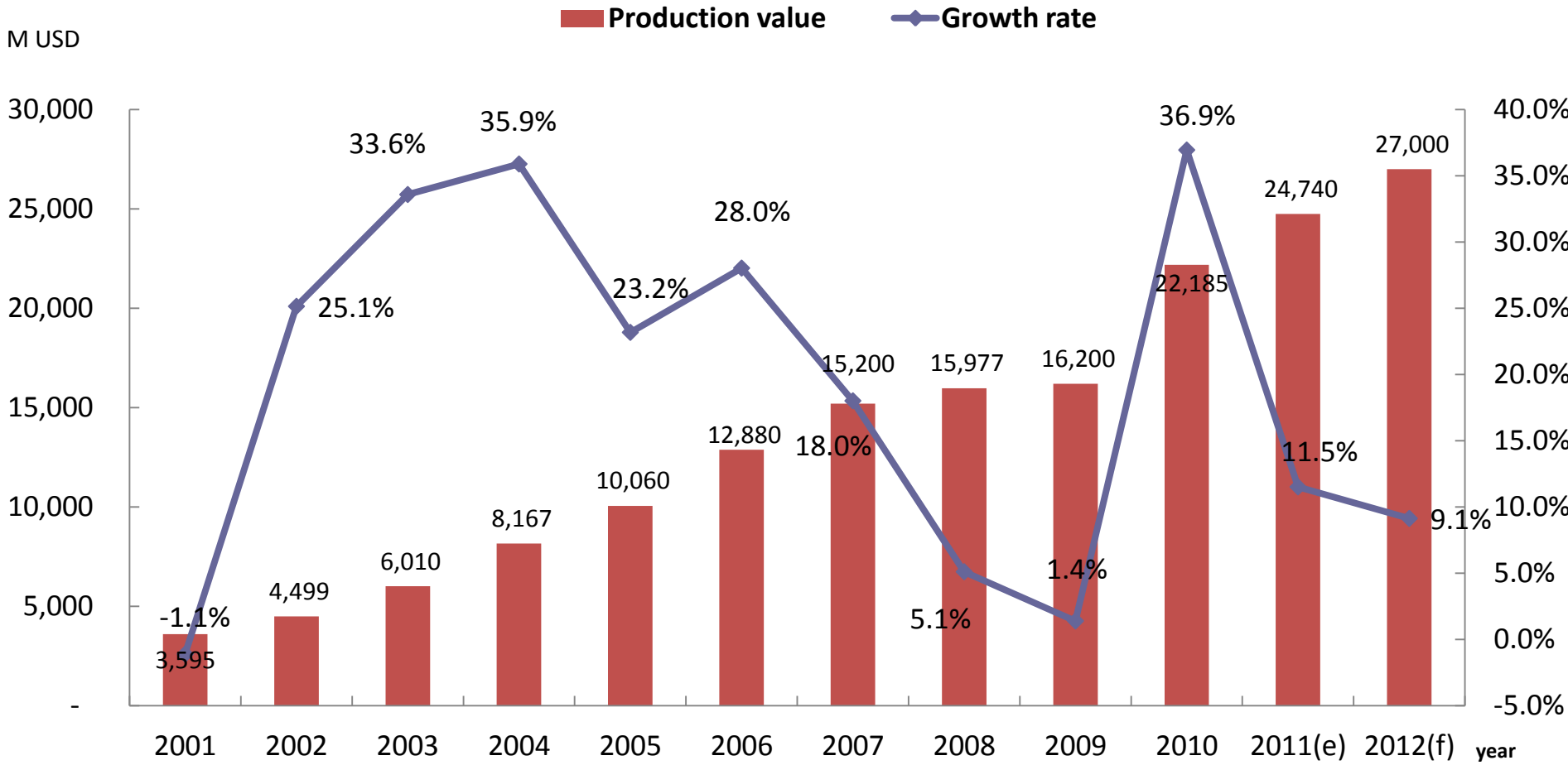
The World Market Share of Taiwan Cell phone PCB Shipment



The World NB& PC Shipment

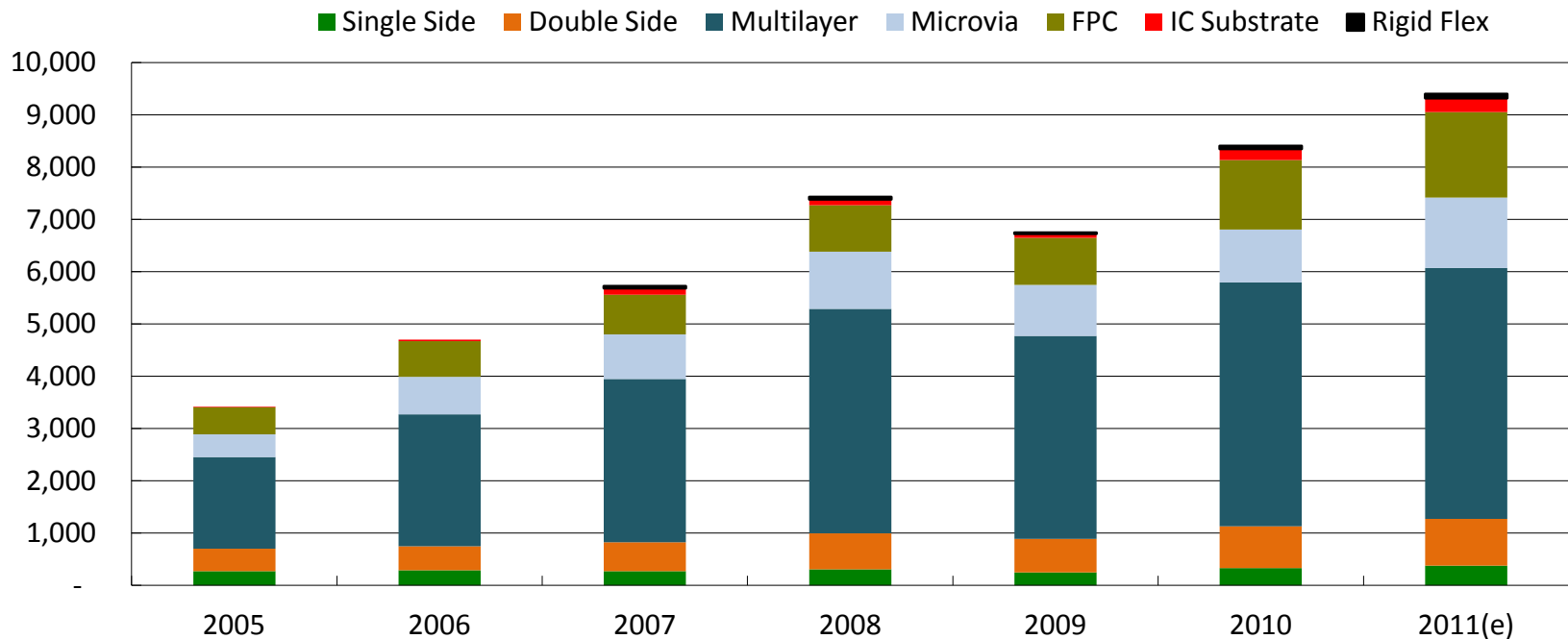


PCB Production in China



Taiwanese PCB Products in China

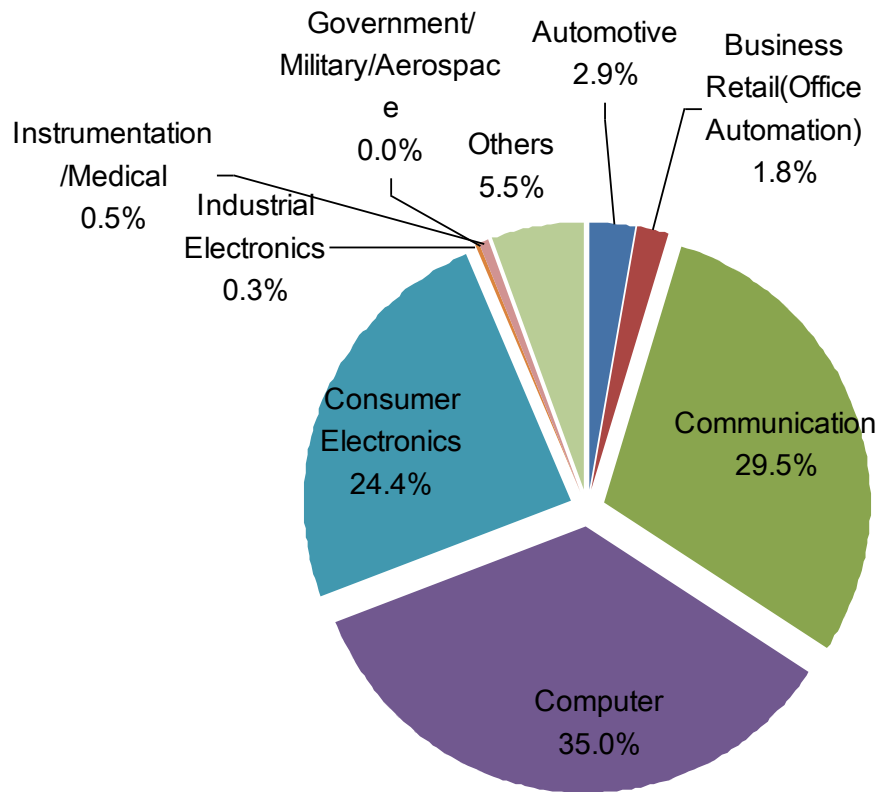
M USD



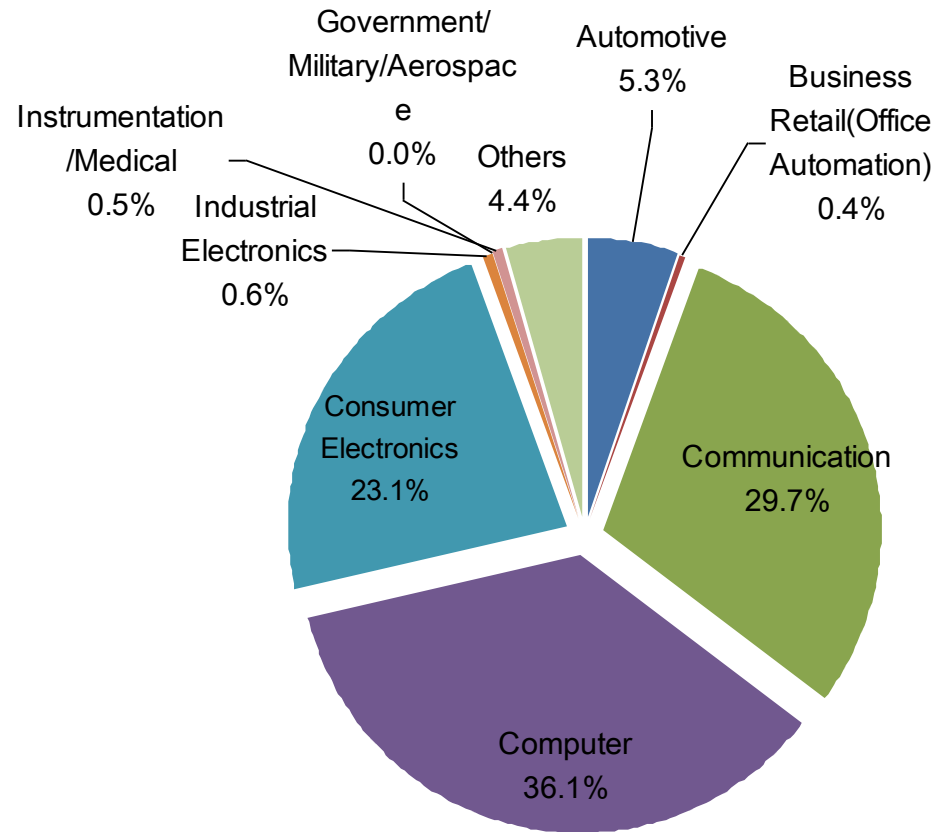
MUSD	2004	2005	2006	2007	2008	2009	2010	2011(e)
Single Side	230	270	290	274	310	250	333	380
Double Side	366	430	456	553	684	640	800	890
Multilayer	1,398	1,754	2,524	3,121	4,296	3,881	4,664	4,800
Microvia	285	437	720	853	1,095	980	1,010	1,350
FPC	415	516	683	761	888	895	1,330	1,632
Rigid-Flex	-	-	-	40	48	20	60	80
IC Substrate	-	13	26	122	109	80	210	270
TOTAL	2,694	3,420	4,699	5,724	7,430	6,746	8,407	9,402

2009-2010 Taiwanese PCB Application in China

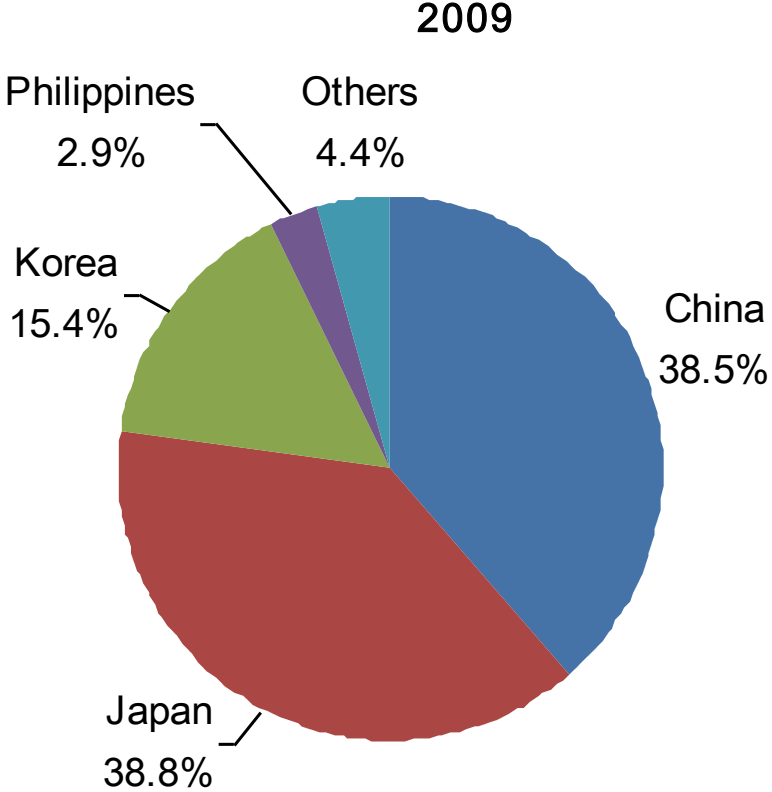
2009



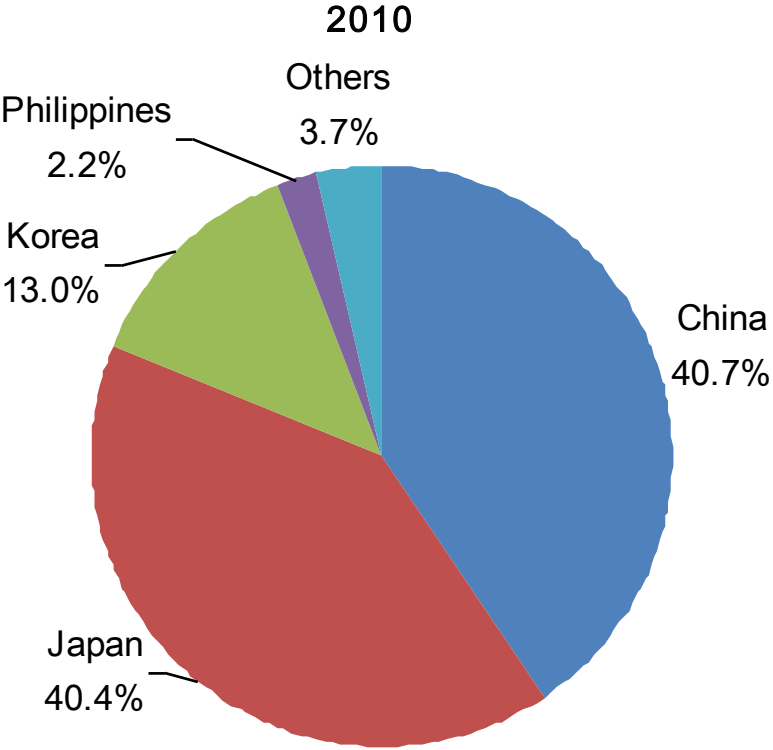
2010



2009-2010 Import Analysis of Taiwan PCB Industry



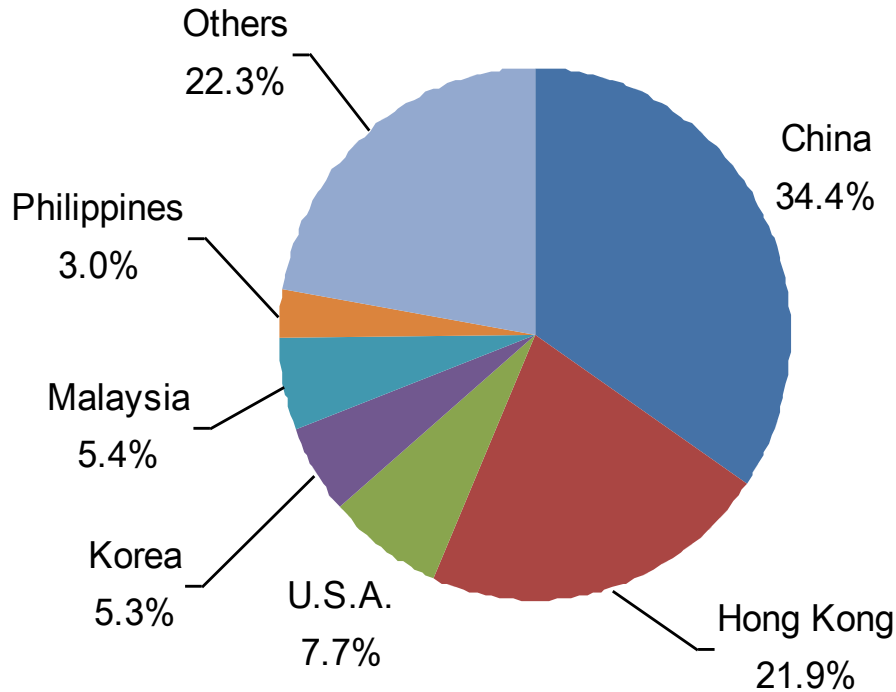
Total:723.26 M USD



Total:1095.85 M USD

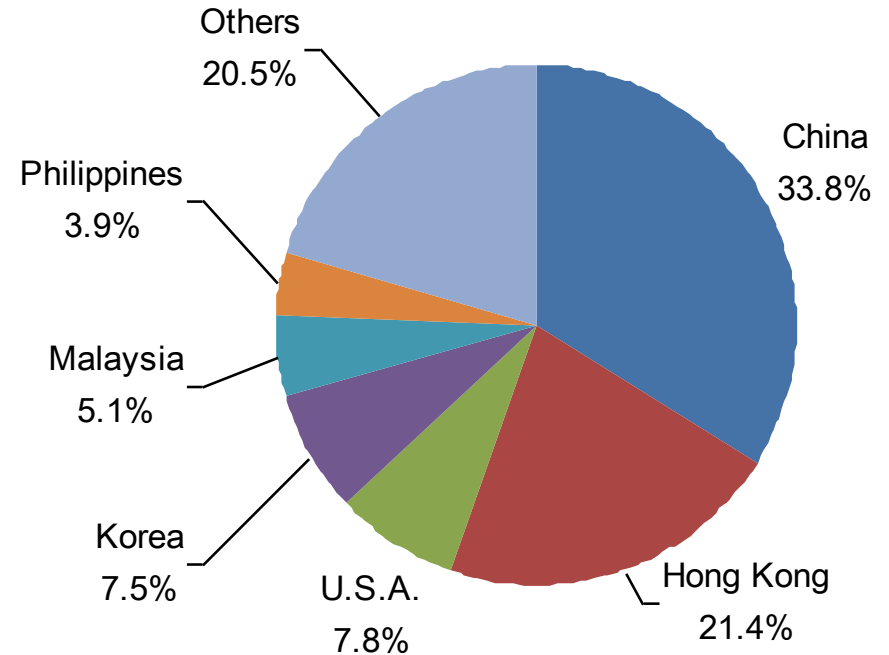
2009-2010 Export Analysis of Taiwan PCB Industry

2009



Total:4,105 M USD

2010



Total:5,233M USD

World TOP-100 PCB Makers(Top1-33)

Ranking	Maker	Nationality	2010	2009	09 / 10 Growth
1	Unimicron Group (>Subtron)	Taiwan	2179	1,734	25.70%
2	Ibiden	Japan	2110	1,731	21.90%
3	Nippon Mektron	Japan	2106	1,656	27.20%
4	Tripod	Taiwan	1370	1,028	33.30%
5	TTM	USA	1366	506	170.00%
6	SEMCO	S. Korea	1282	895	43.20%
7	Nanya PCB	Taiwan	1158	848	36.60%
8	Foxconn	Taiwan	1150	750	53.30%
9	HannStar Board (+GBM)	Taiwan	1148	596	92.60%
10	KB PCB Group	HK/China	1122	923	21.60%
11	Shinko Denki	Japan	1003	860	16.60%
12	Young Poong Group	S. Korea	978	887	10.30%
13	CMK	Japan	968	978	-1.00%
14	Multek	USA	910	770	18.20%
15	Meiko	Japan	817	704	16.10%
16	Viasystems (+former Merix)	USA	806	350	130.30%
17	Daeduck Group	S. Korea	800	694	15.30%
18	Mflex	USA	791	764	3.50%
19	Fujikura	Japan	778	684	13.70%
20	Compeq	Taiwan	738	575	28.30%
21	Sumitomo Denko PCB	Japan	700	626	11.80%
22	Kinsus (+Piotek)	Taiwan	676	511	32.30%
23	AT&S	Austria	670	515	30.10%
24	Wus Group	Taiwan	663	422	57.10%
25	LG Innotek	S. Korea	600	554	8.30%
26	Simmtech	S. Korea	576	424	35.80%
27	Nitto Denko	Japan	573	545	5.10%
28	Chin Poon	Taiwan	527	380	38.70%
29	GCE	Taiwan	519	439	18.20%
30	TPT	Taiwan	482	381	26.50%
31	Hitachi Chemical	Japan	471	520	-9.40%
32	Panasonic ED	Japan	456	435	4.80%
33	Kyoden	Japan	444	365	21.60%

World TOP-100 PCB Makers(Top34-67)

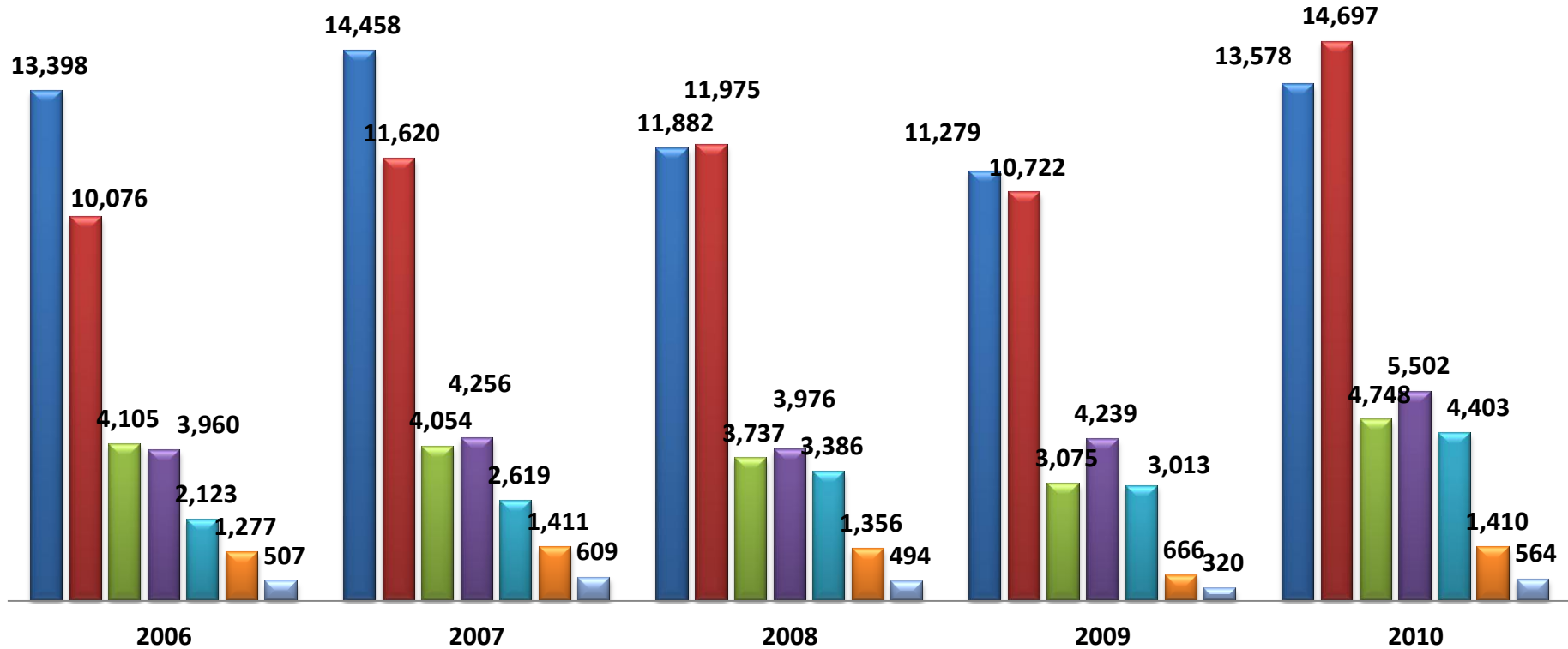
Ranking	Maker	Nationality	2010	2009	09 / 10 Growth
34	Unitech	Taiwan	407	332	22.60%
35	Toppan-NEC	Japan	396	340	16.50%
36	DYnamic	Taiwan	394	349	12.90%
37	Ellington	HK/China	390	310	25.80%
38	Sanmina-SCI	USA	380	290	31.00%
39	3CEMS	Taiwan	368	279	31.90%
40	MGC Group	Japan	340	286	18.90%
41	Career Technology	Taiwan	325	245	32.70%
42	ASE	Taiwan	320	230	39.10%
43	SI Flex	S. Korea	314	260	20.80%
44	Isu Petasys	S. Korea	307	230	33.50%
45	Fujitsu Interconnet	Japan	296	290	2.10%
46	FCI	France	277	200	38.50%
47	Ichia	Taiwan	273	289	-5.50%
48	DDi Corporation	USA	268	220	21.80%
49	Kyocera SLC	Japan	260	165	57.60%
50	Founder Technology	China	258	200	29.00%
51	Shirai Denshi	Japan	256	224	14.30%
52	CCTC	China	255	225	13.30%
53	Shennan Circuits	China	250	187	33.70%
54	Elna	Japan	247	220	12.30%
55	APCB (競国)	Taiwan	233	165	41.20%
56	KCE	Thailand	230	178	29.20%
57	3M	USA	230	215	7.00%
58	Daisho Denshi	Japan	228	217	5.10%
59	Micro Circuit System	Japan	220	270	-18.50%
60	Wuerth Electronics	Germany	219	151	45.00%
61	Shye Feng Group	Taiwan	215	162	32.70%
62	A-PLUS (Main Worth,競華)	Taiwan	210	190	10.50%
63	Boardtek	Taiwan	210	162	29.60%
64	Eastern	Japan	210	149	40.90%
65	Gul Technology	Singapore	196	146	34.20%
66	Kyosha	Japan	187	149	25.50%
67	DAP	S. Korea	180	165	9.10%

World TOP-100 PCB Makers(Top68-102)

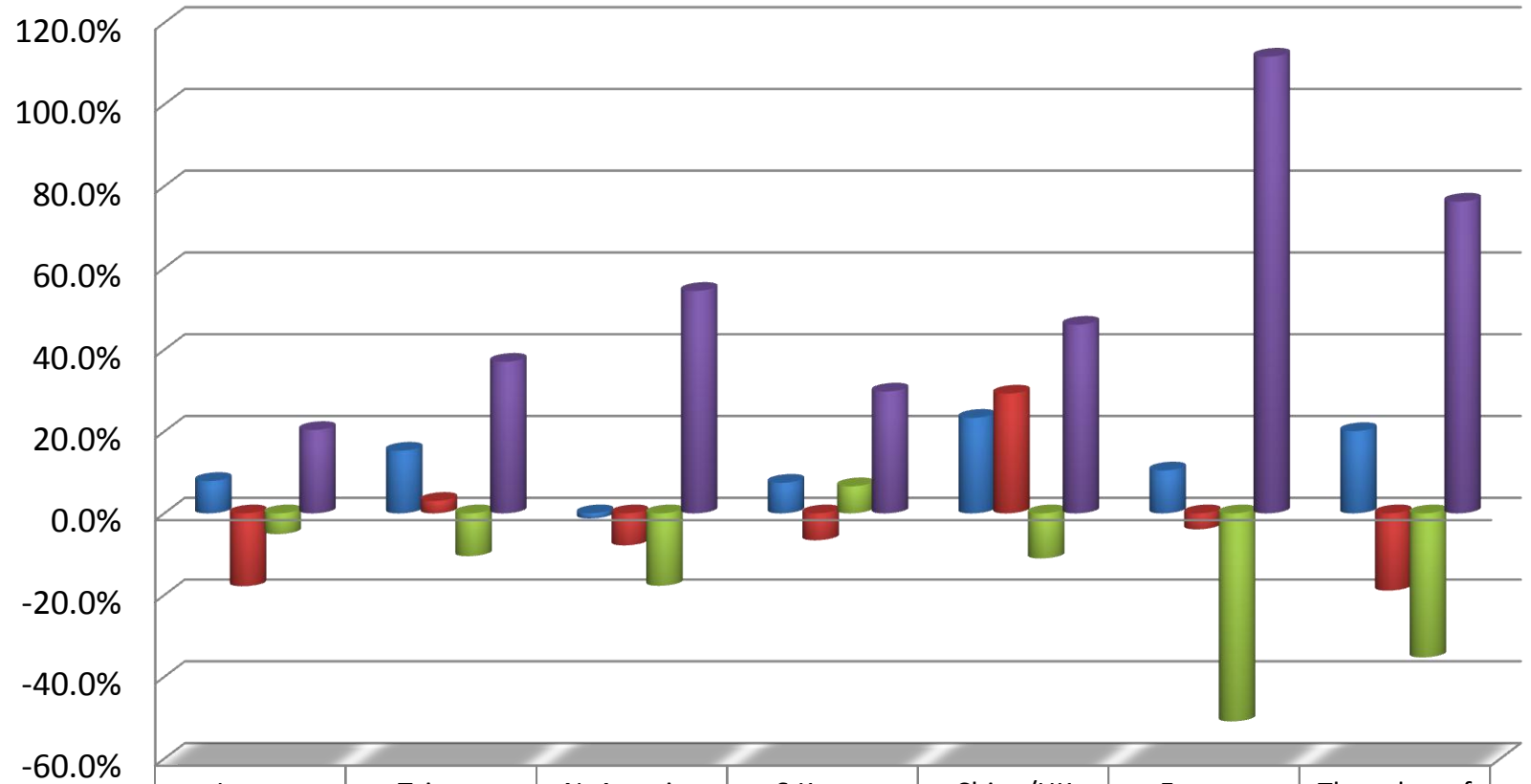
Ranking	Maker	Nationality	2010	2009	09 / 10 Growth
68	Kinwong Electronics	HK/China	180	162	11.10%
69	STEMCO	S. Korea	175	162	8.00%
70	Wu Zhou Group	China	165	118	39.80%
71	Hsiangkuo	Taiwan	160	120	33.30%
72	Topsearch	HK/China	160	154	3.90%
73	Hitachi Cable	Japan	156	200	-22.00%
74	Yang An	Taiwan	156	113	38.10%
75	Cosmotech	S. Korea	153	102	50.00%
76	Flexium	Taiwan	148	93	59.10%
77	Schweizer	Germany	144	90	60.00%
78	Red Board	HK/China	144	140	2.90%
79	Liang Dar	Taiwan	143	90	58.90%
80	Biloda	Taiwan	140	110	27.30%
81	Tong Jiang	Taiwan	140	95	47.40%
82	MFS	Singapore	138	99	39.40%
83	Onpress	HK/China	138	109	26.60%
84	Flexcom	S. Korea	137	119	15.10%
85	Shinko Mfg	Japan	130	100	30.00%
86	Jiangsu Suhang Elect	China	126	115	9.60%
87	Brain Power	Taiwan	126	100	26.00%
88	Yamamoto Mfg Co Ltd	Japan	123	75	64.00%
89	Huading Group	China	120	97	23.70%
90	Shenzhen Fast print	China	119	74	60.80%
91	Plotech	Taiwan	119	97	22.70%
92	Suntak	China	115	88	30.70%
93	Tat Chun	HK/China	114	95	20.00%
94	Santis Substrate	HK/China	110	90	22.20%
95	Tigerbuilder	China	109	70	55.70%
96	Aoshikang Group Co Ltd	HK/China	108	95	13.70%
97	Xinda PCB Mfg	China	108	90	20.00%
98	Kunshan Wanzheng PCB	China	107	90	18.90%
99	Kunshan Huanxian PCB	China	105	86	22.10%
100	Sanwa PCB	Japan	103	100	3.00%
101	Dalian Pacific Electronics	China	60	100	66.70%
102	Somacis	Italy	80	100	25.00%
Total			44,845	35,478	26.40%

Production Value Distribution of World Top PCB Makers

■ Japan
 ■ Taiwan
 ■ N. America
 ■ S.Korea
 ■ China/HK
 ■ Eurpoe
 ■ The other of Asia

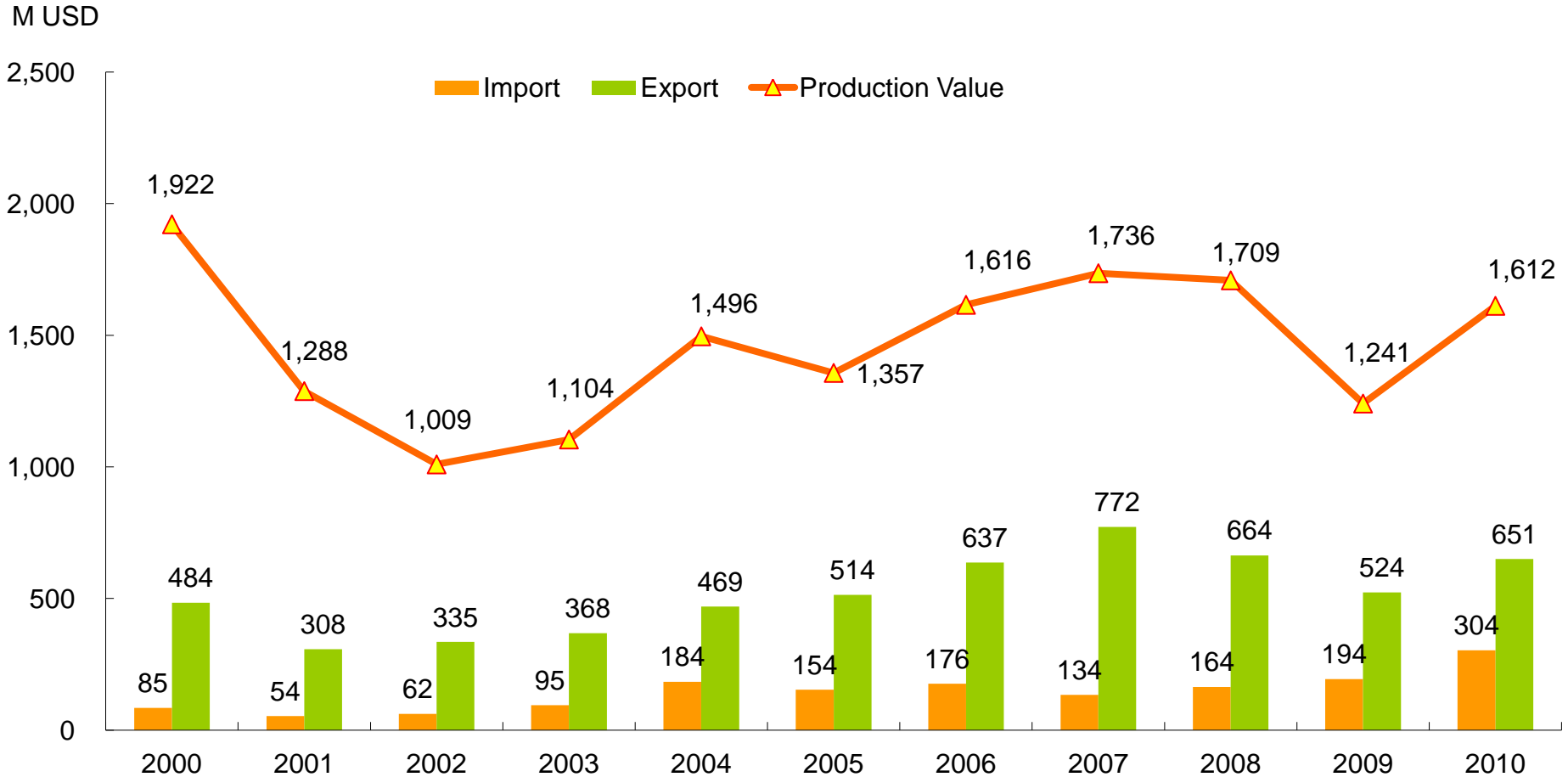


2008/2009 The Growth rate of World Top PCB Makers

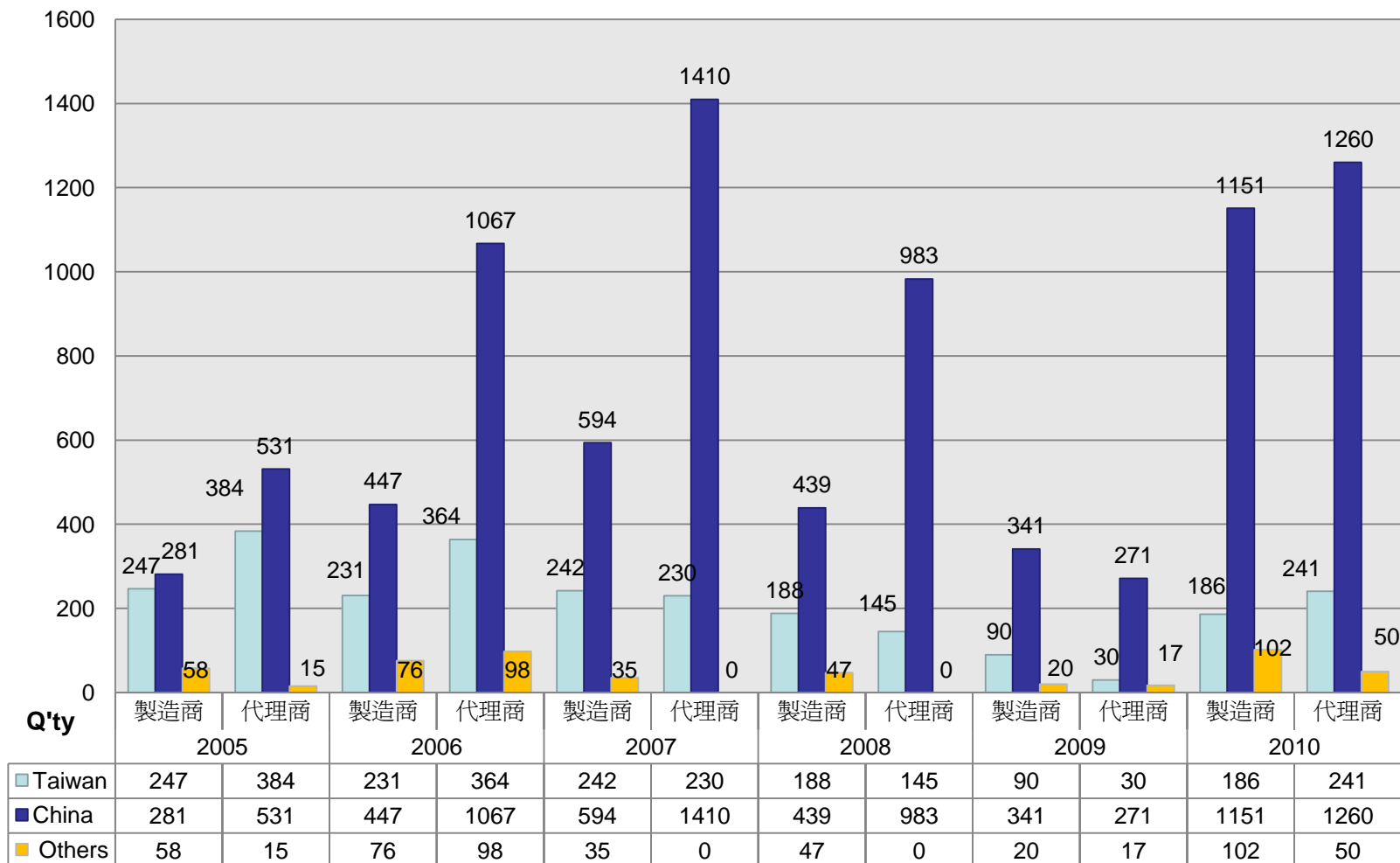


	Japan	Taiwan	N. America	S.Korea	China/HK	Europe	The other of Asia
■ 2006/2007	7.9%	15.3%	-1.2%	7.5%	23.4%	10.5%	20.1%
■ 2007/2008	-17.8%	3.1%	-7.8%	-6.6%	29.3%	-3.9%	-18.9%
■ 2008/2009	-5.1%	-10.5%	-17.7%	6.6%	-11.0%	-50.9%	-35.2%
■ 2009/2010	20.4%	37.1%	54.4%	29.8%	46.1%	111.7%	76.3%

Taiwan CCL Production Trend



The Sales Volume of Taiwan Mechanical Drilling Machine



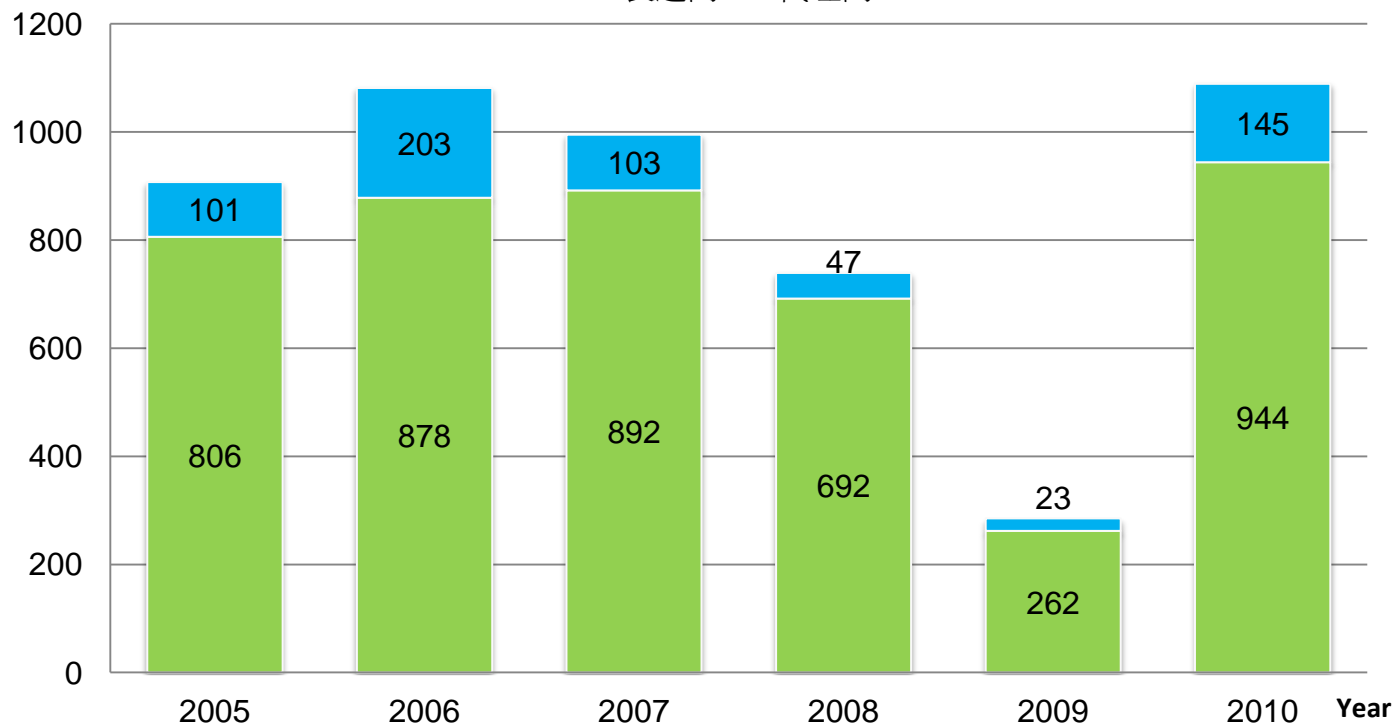
說明:

- 1.單位為銷售台數。 2. 製造商(Manufacturing Factory),代理商(Agency)
- 3.製造商包含其子公司在內的全球銷售量。
- 4.代理商只包含台灣分公司及其子公司銷售量，不含母公司的銷售量。

The Sales Volume of Taiwan Routing Machine

Qty

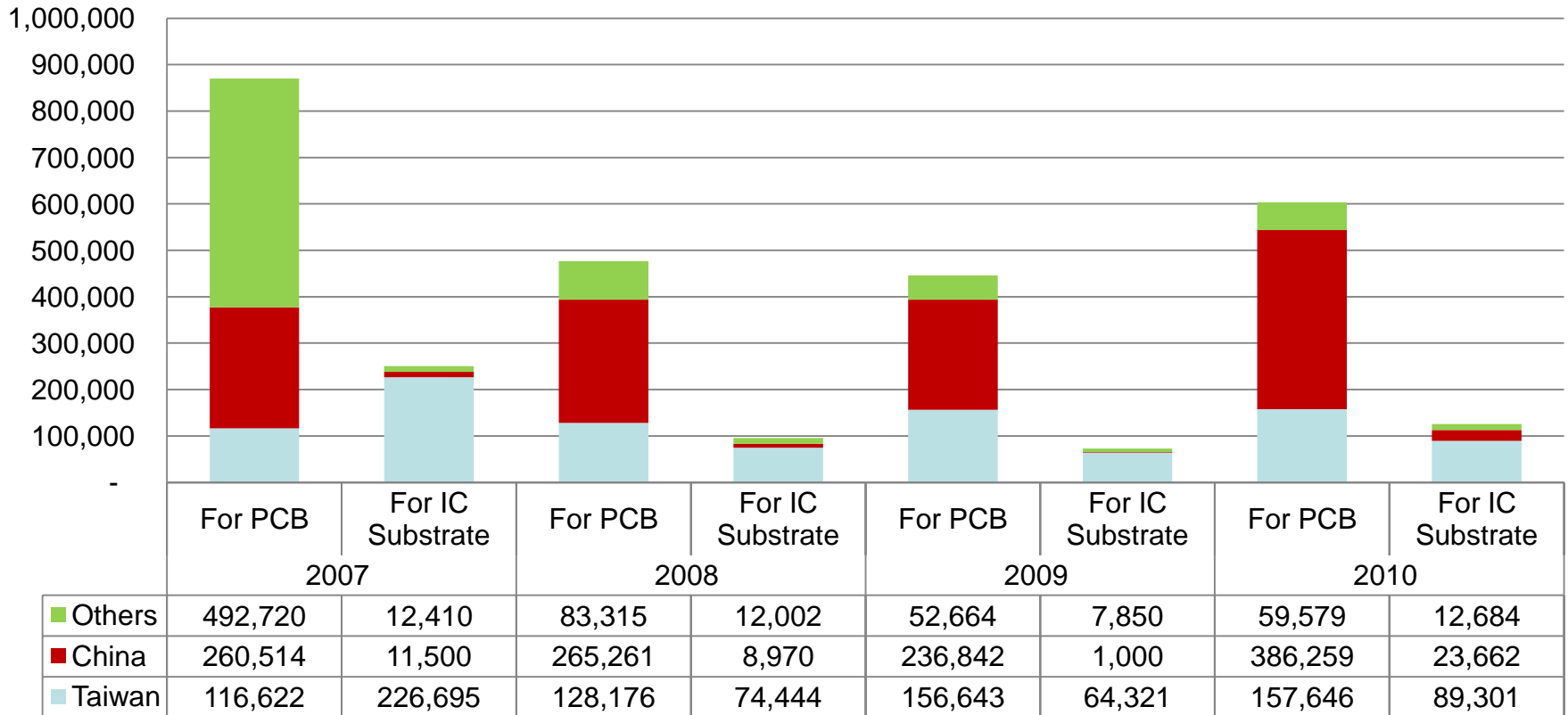
■ 製造商 ■ 代理商



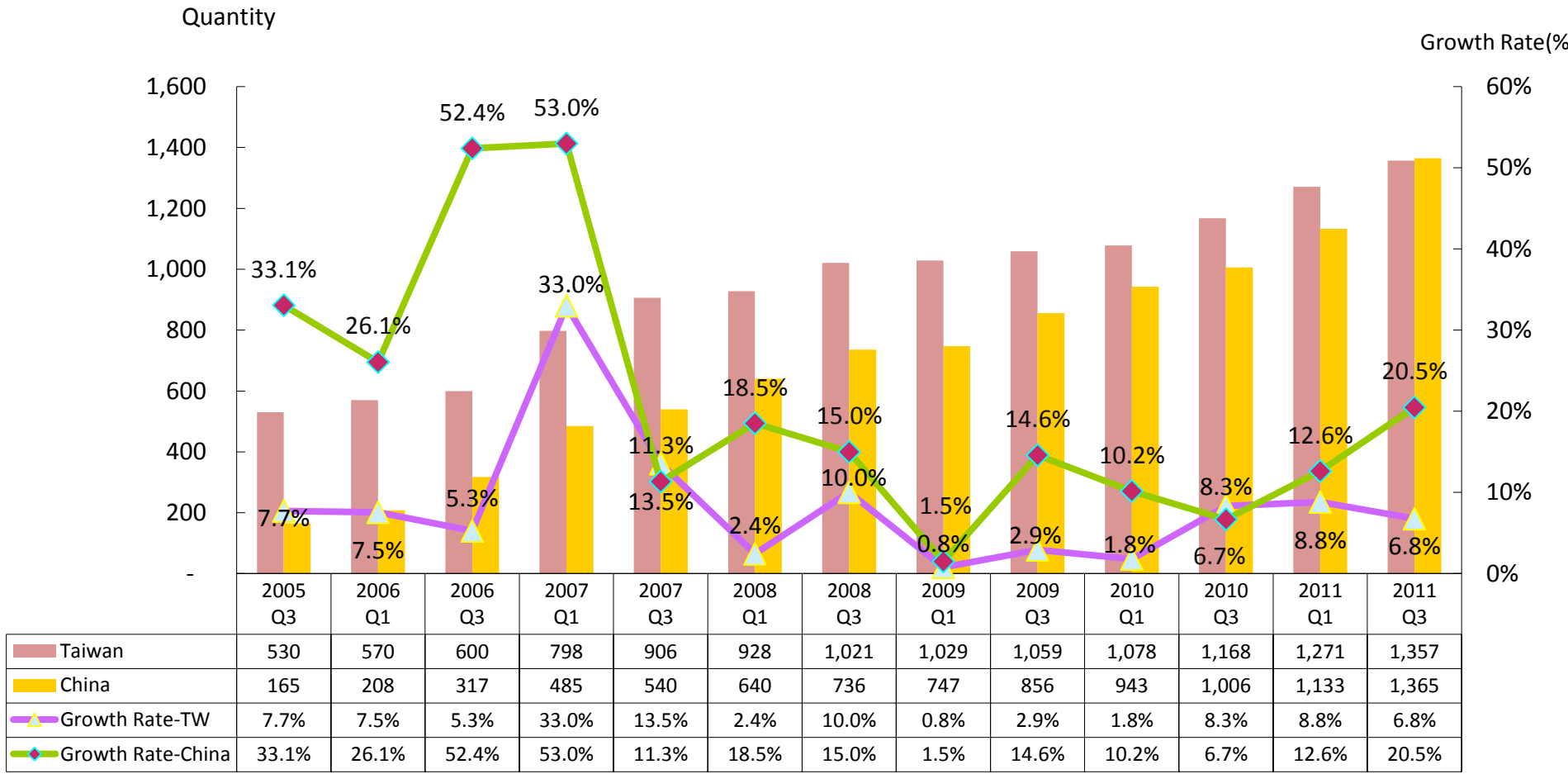
	2005	2006	2007	2008	2009	2010
製造商 (Manufacturing Factory)	806	878	892	692	262	944
代理商(Agency)	101	203	103	47	23	145
Total	907	1081	995	739	285	1089
Growth rate	—	19.18%	-7.96%	-25.73%	-61.43%	282.11%
Market share of Manufacture	88.86%	81.22%	89.65%	93.64%	91.93%	86.69%
Market share of Agency	11.14%	18.78%	10.35%	6.36%	8.07%	13.31%

The Sales Volume of Taiwan Drilling Bits

K units

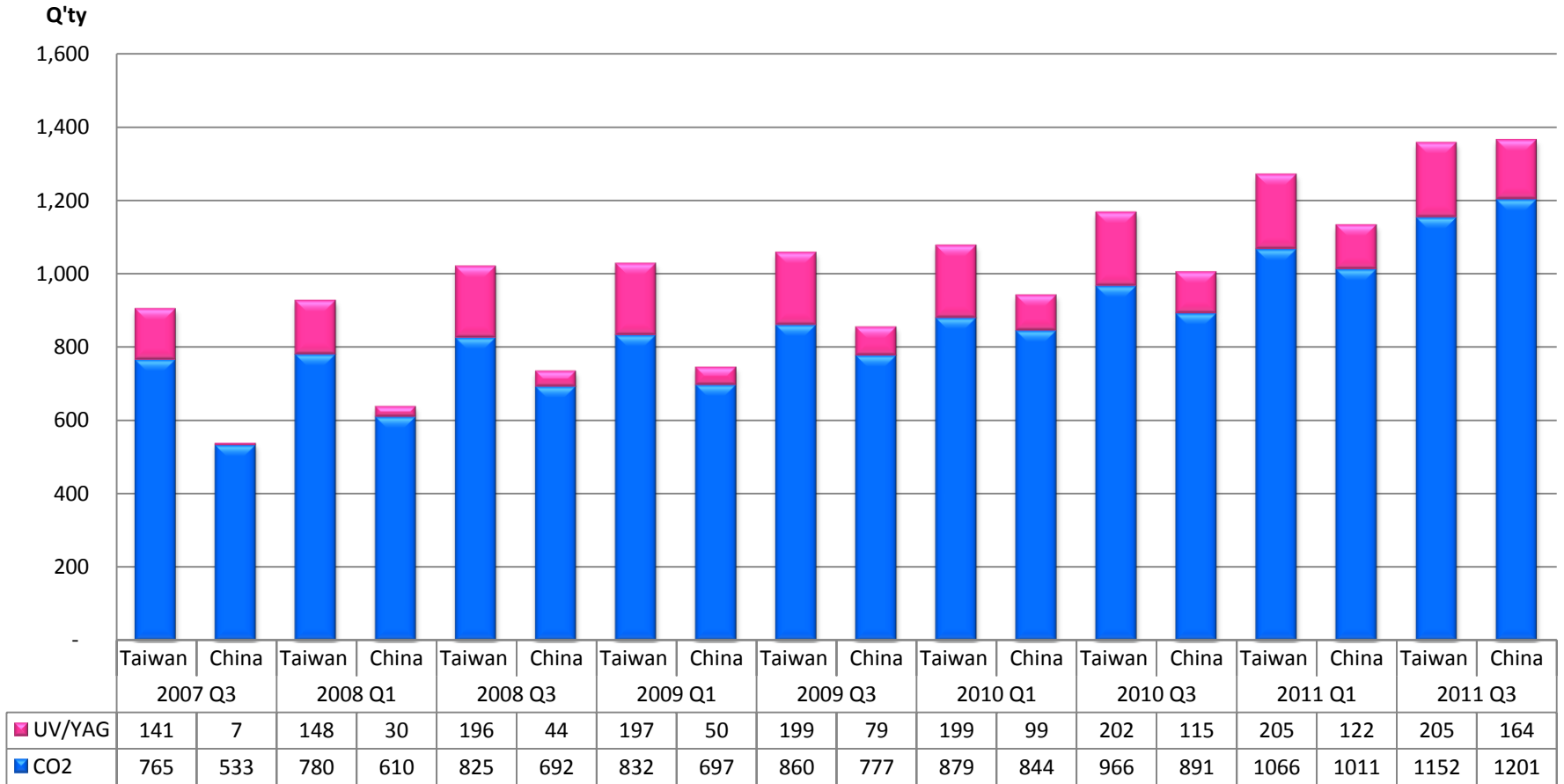


The Sales Volume of Taiwan Laser Drilling Machine



※The Quantities are an accumulative total.

The Laser Drilling Machine Distribution



※The Quantities are an accumulative total.