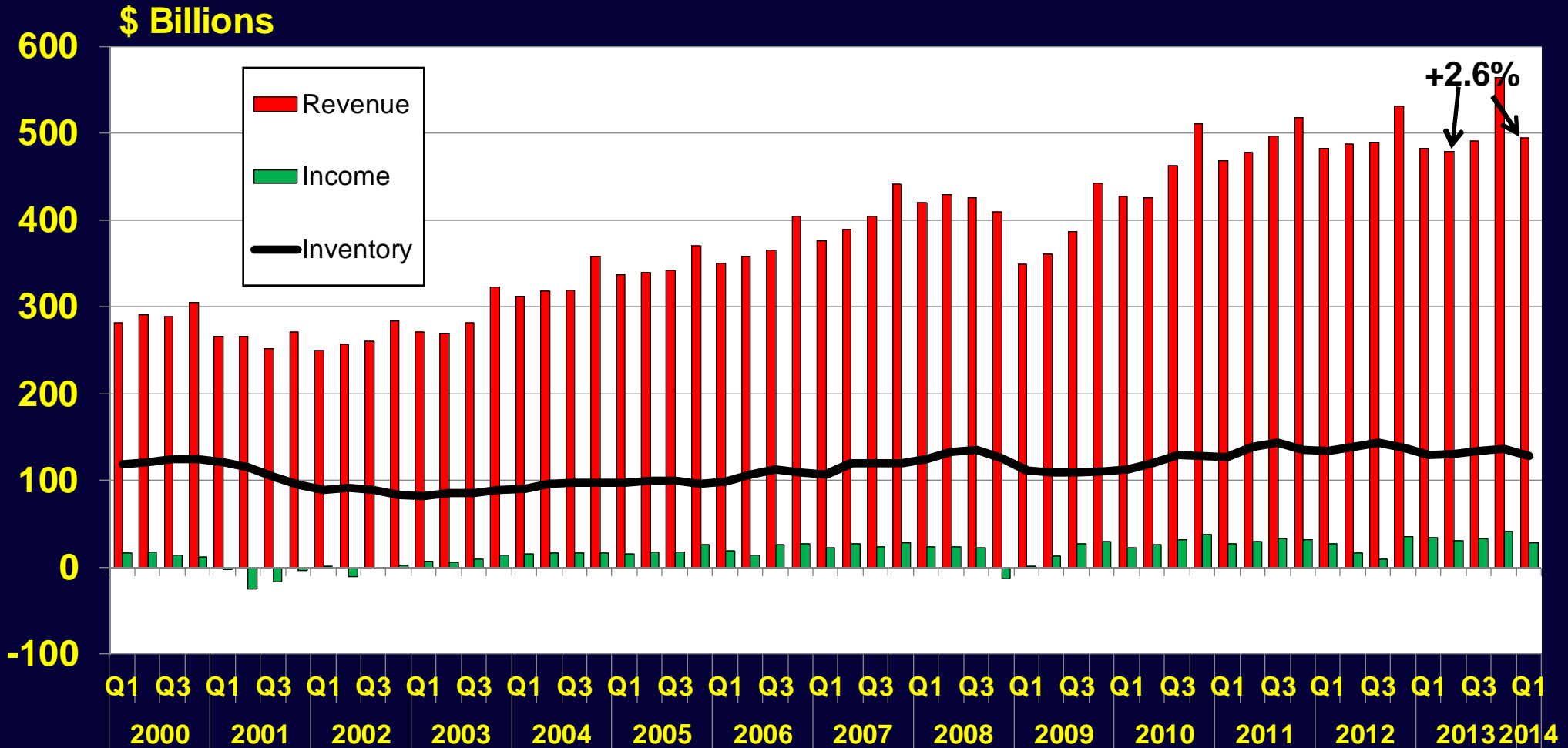


Chart 1

# Electronic Equipment Suppliers Composite of 141 Public Companies

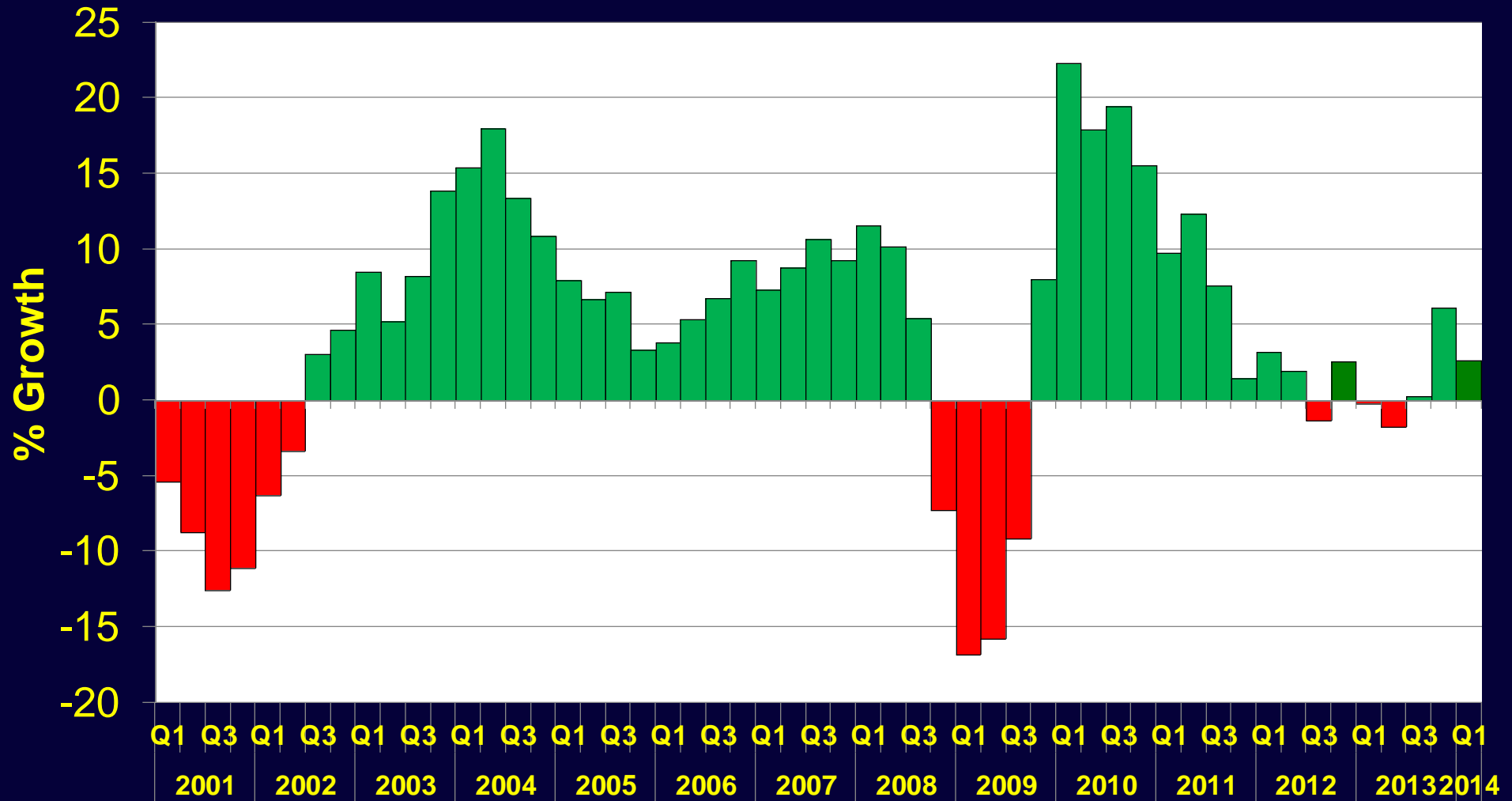
## Revenue, Net Income & Inventory



Computer 13, Internet 9, Storage 10, Communication 20, SEMI 20, Medical 23, Instruments 11, Military 6, Business & Office 3, Consumer 13, Automotive 11

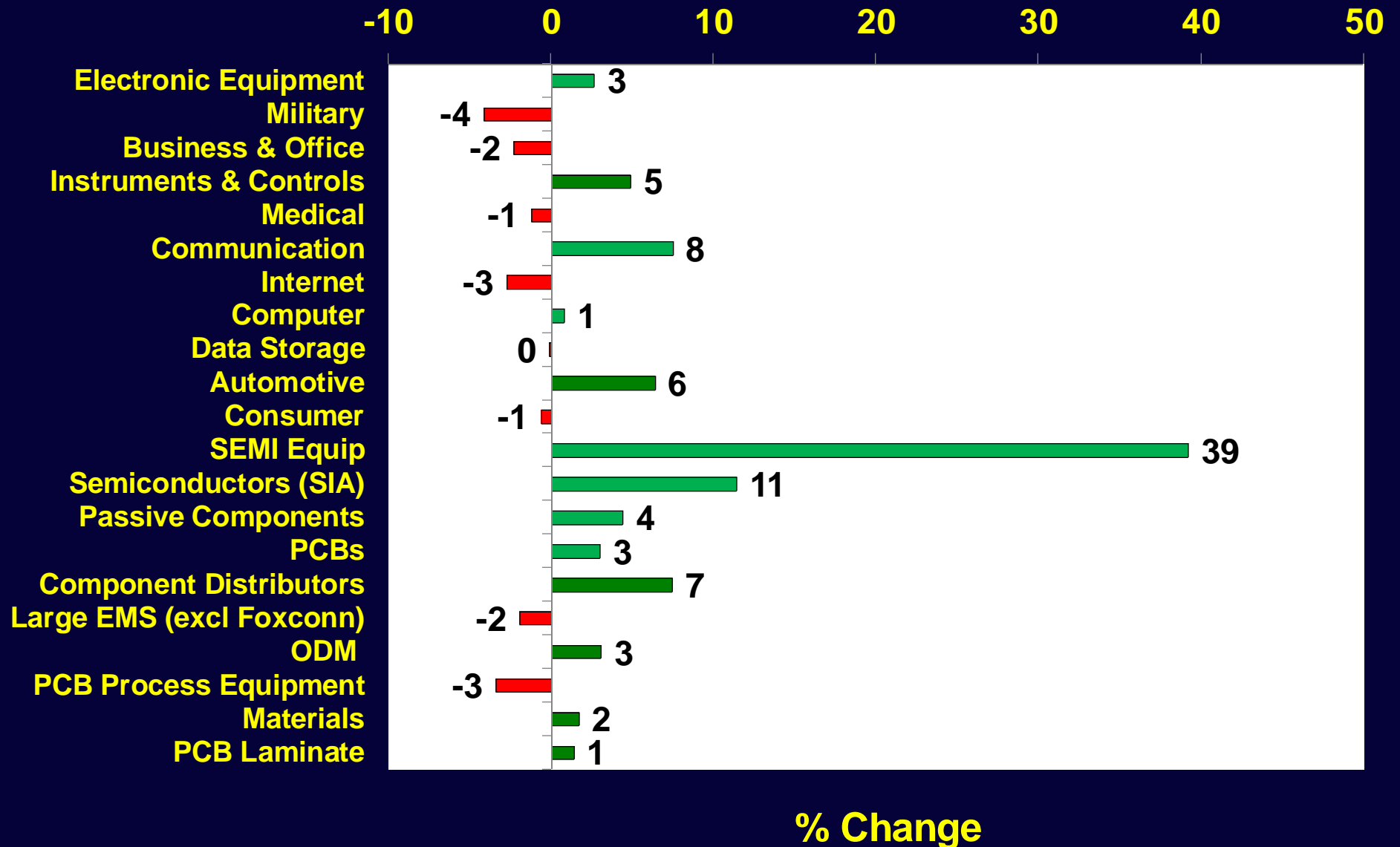
Chart 2

# Electronic Equipment Suppliers Composite of 141 Public Companies Quarterly Revenue Growth



Computer 13, Internet 9, Storage 10, Communication 20, SEMI 20, Medical 23, Instruments 11, Military 6, Business & Office 3 + Media tablets from all vendors, Consumer 13, Automotive 11

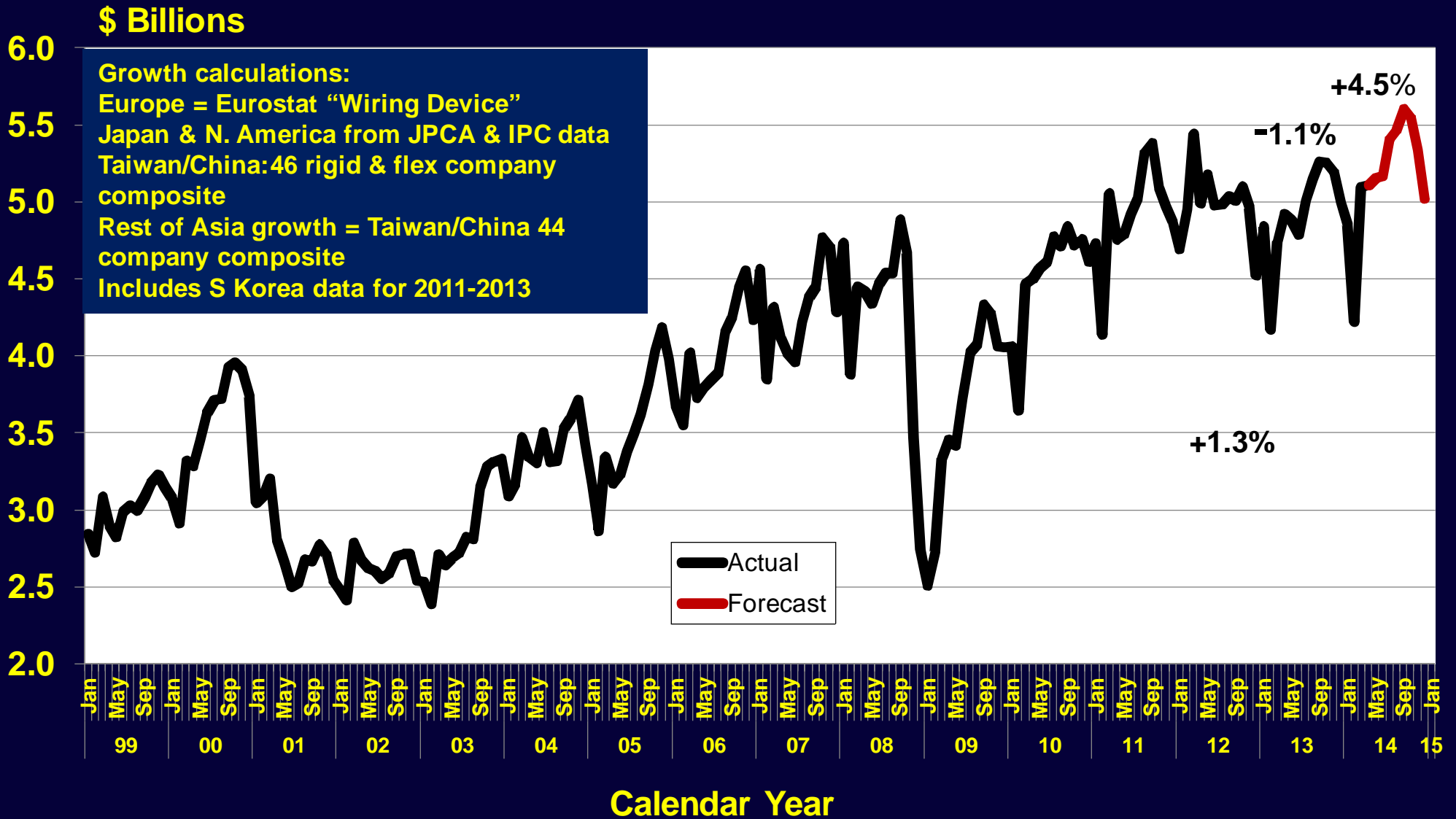
# Global Electronic Supply Chain Growth 1Q'14 vs. 1Q'13 (preliminary)



US\$ equivalent at fluctuating exchange; based upon industry composites including acquisitions

Chart 4

# World PCB Shipments (with forecast) Converted @ Fluctuating Exchange Rates



Source: Custer Consulting Group - 2010 base year expanded by monthly growth of N. American, European, Japanese & Taiwan/China monthly PCB shipments

Chart 5

# Purchasing Managers' Indices May vs. April 2014 (preliminary)

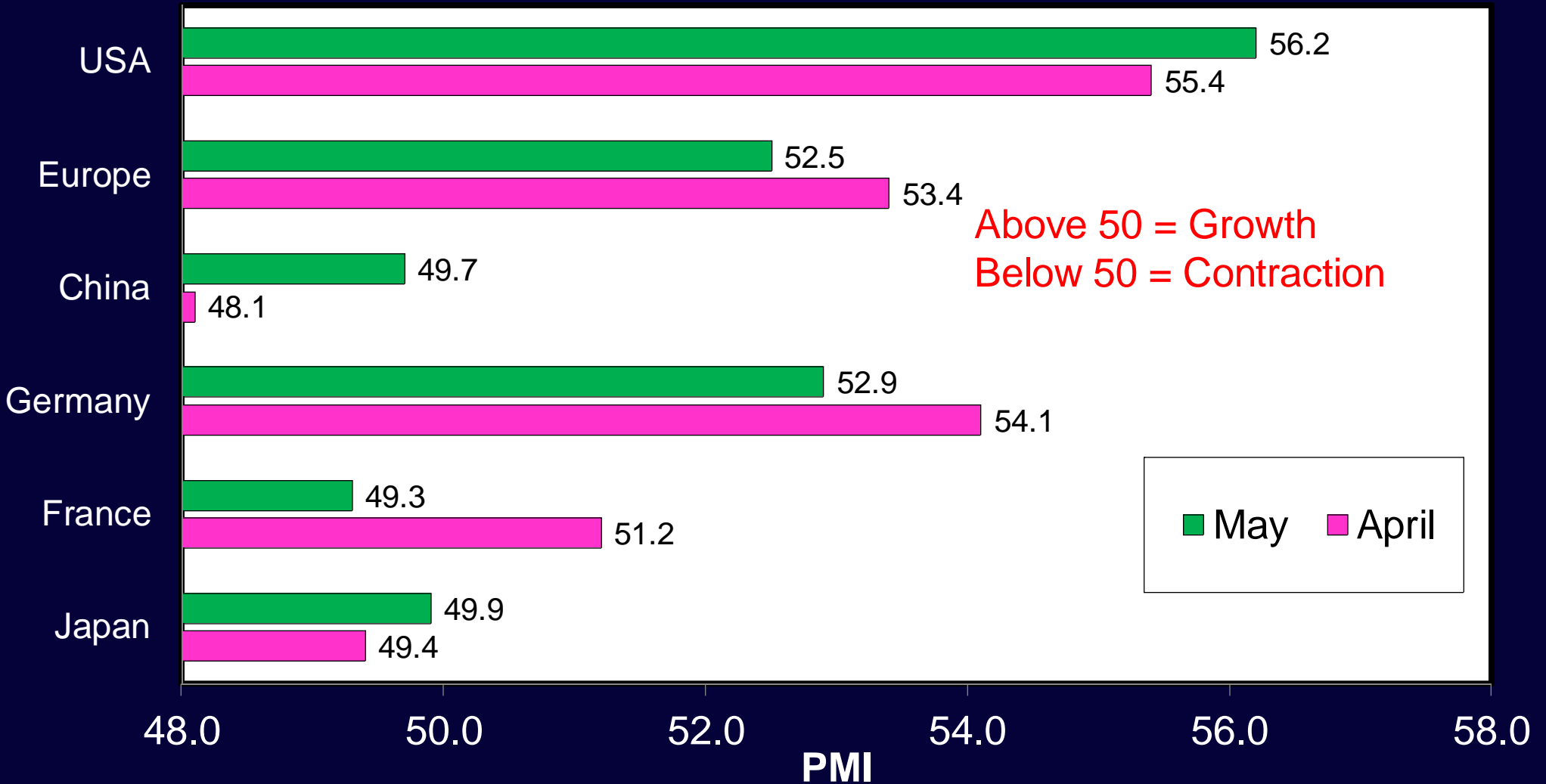


Chart 6

# Japan Electronic Equipment Production by Month 2000 to Present

Yen Billion

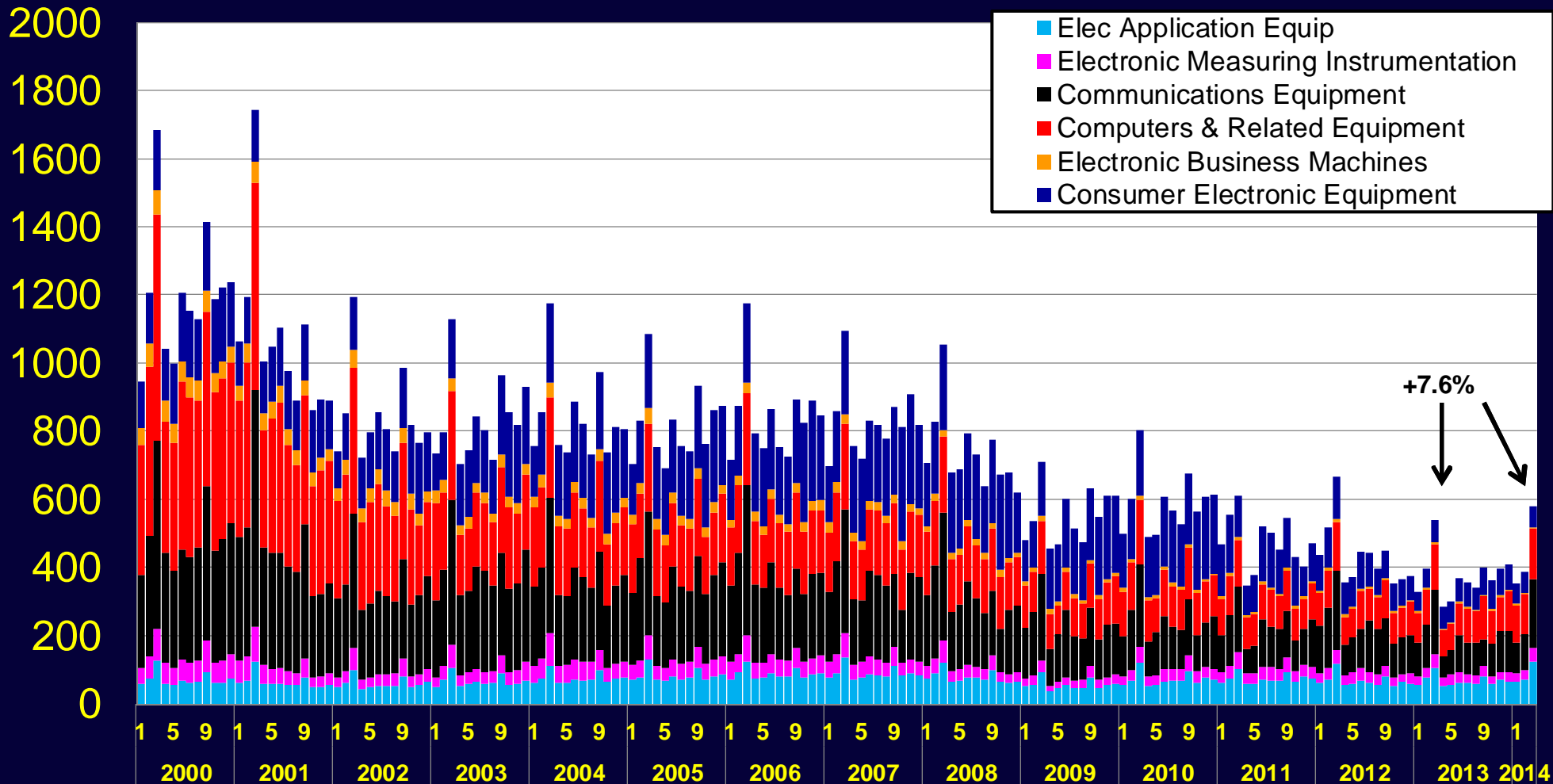


Chart 7

# Japan Electronic Equipment Production by Month 2000 to Present

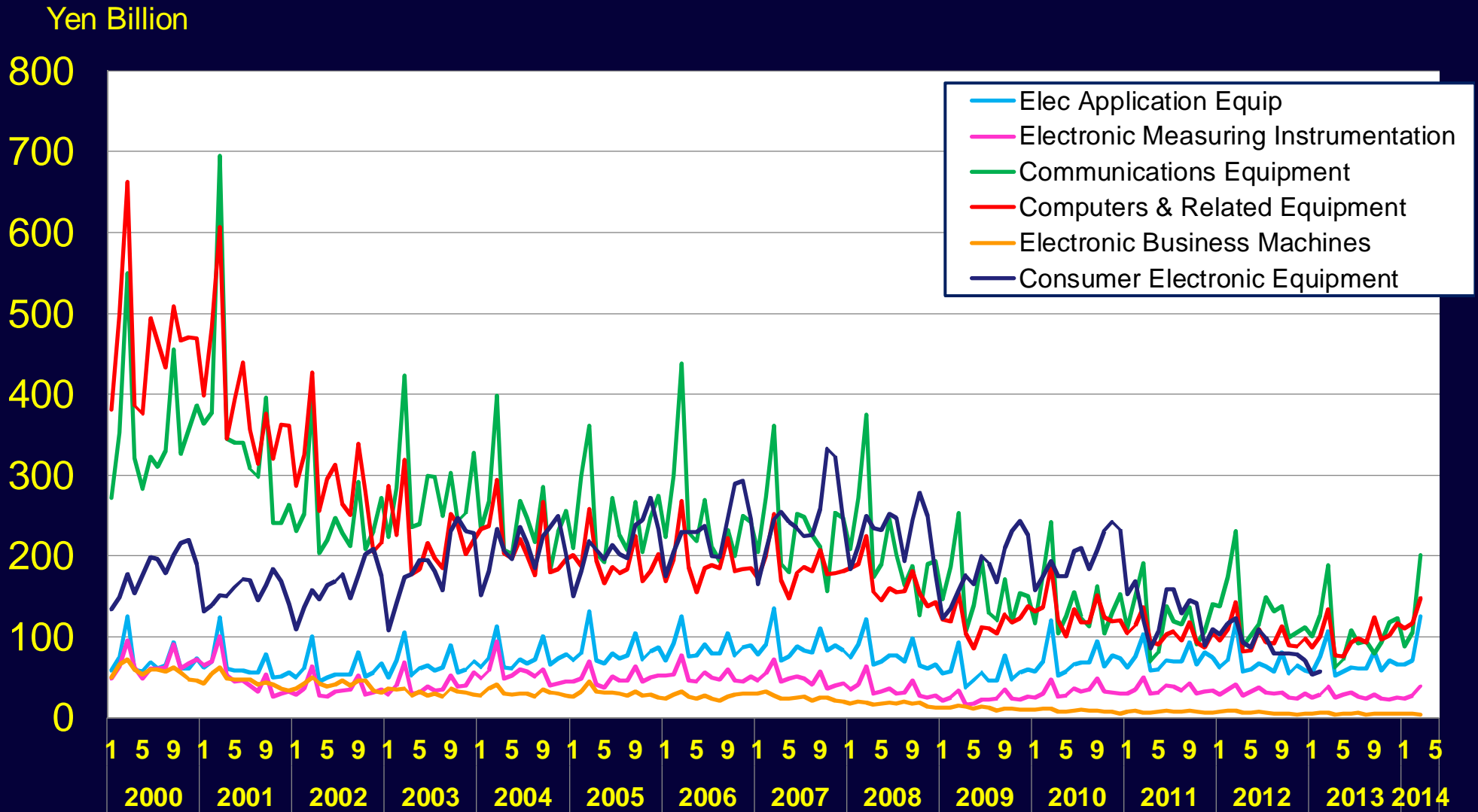
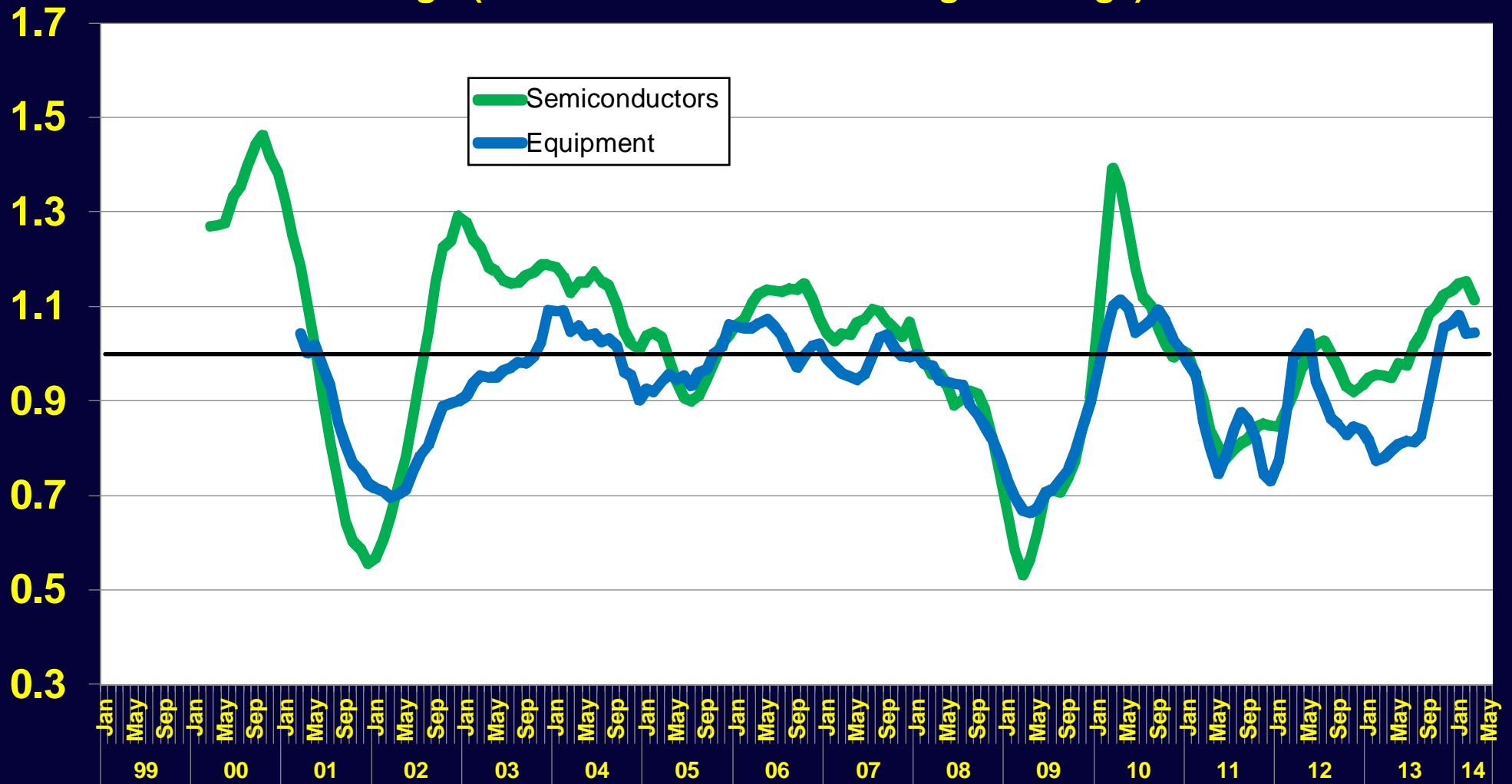


Chart 8

# Semiconductor Shipments to Japan vs. Japanese Electronic Equipment Production

3/12 Rate of Change (Yen converted at fluctuating exchange)



Total \$ Semiconductor Shipments from All Countries to Japan [www.sia-online.org/](http://www.sia-online.org/),  
JEITA [www.jeita.or.jp/](http://www.jeita.or.jp/)



Chart 9

# Japan "Purchasing Managers" Index

Diffusion Index, >50 = Growth

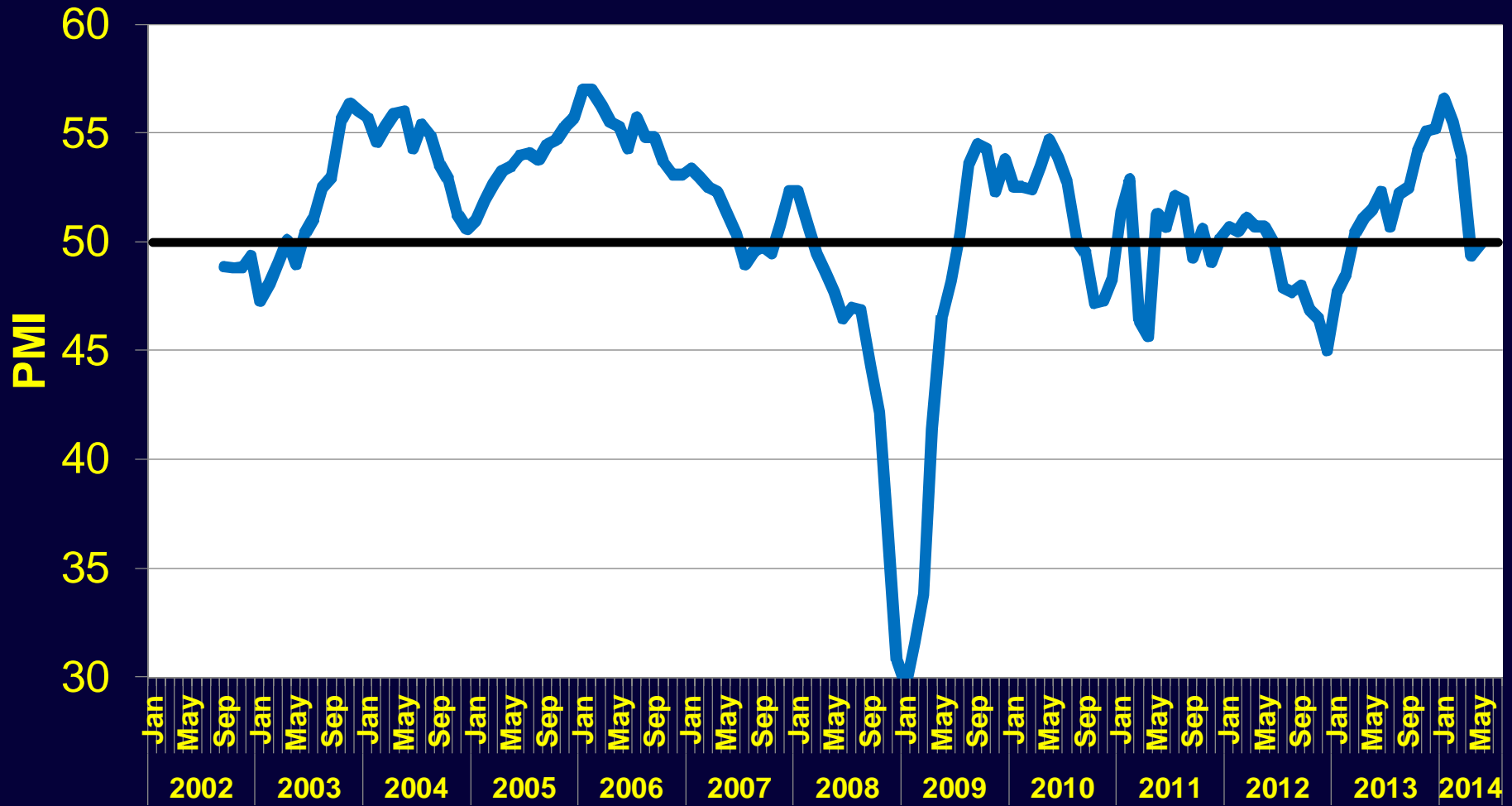


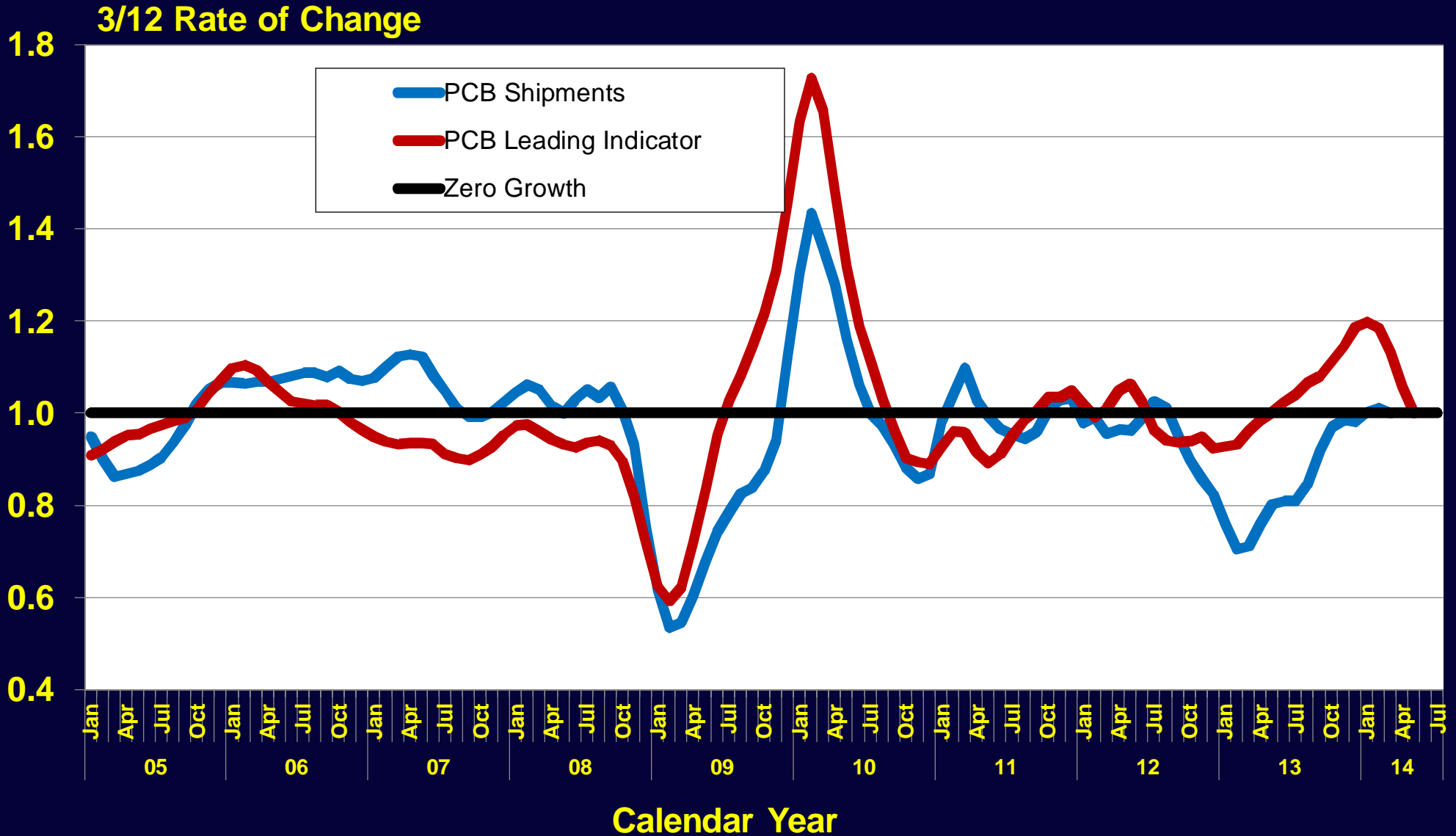
Chart 10

# Japan PCB Shipments



Chart 11

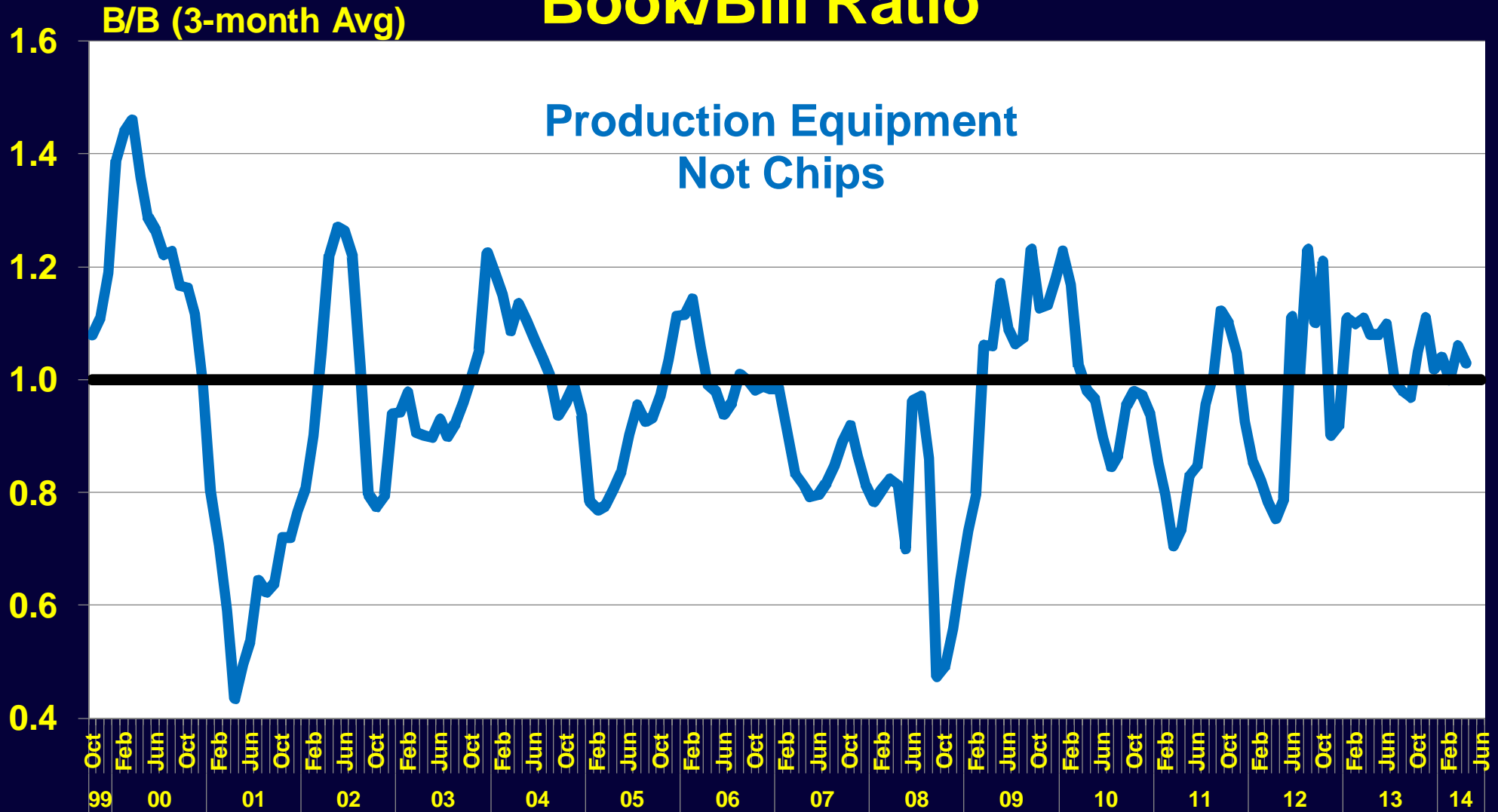
# Japan PMI PCB Leading Indicator vs. Japan PCB Shipments



Source: Custer Consulting Group

Chart 12

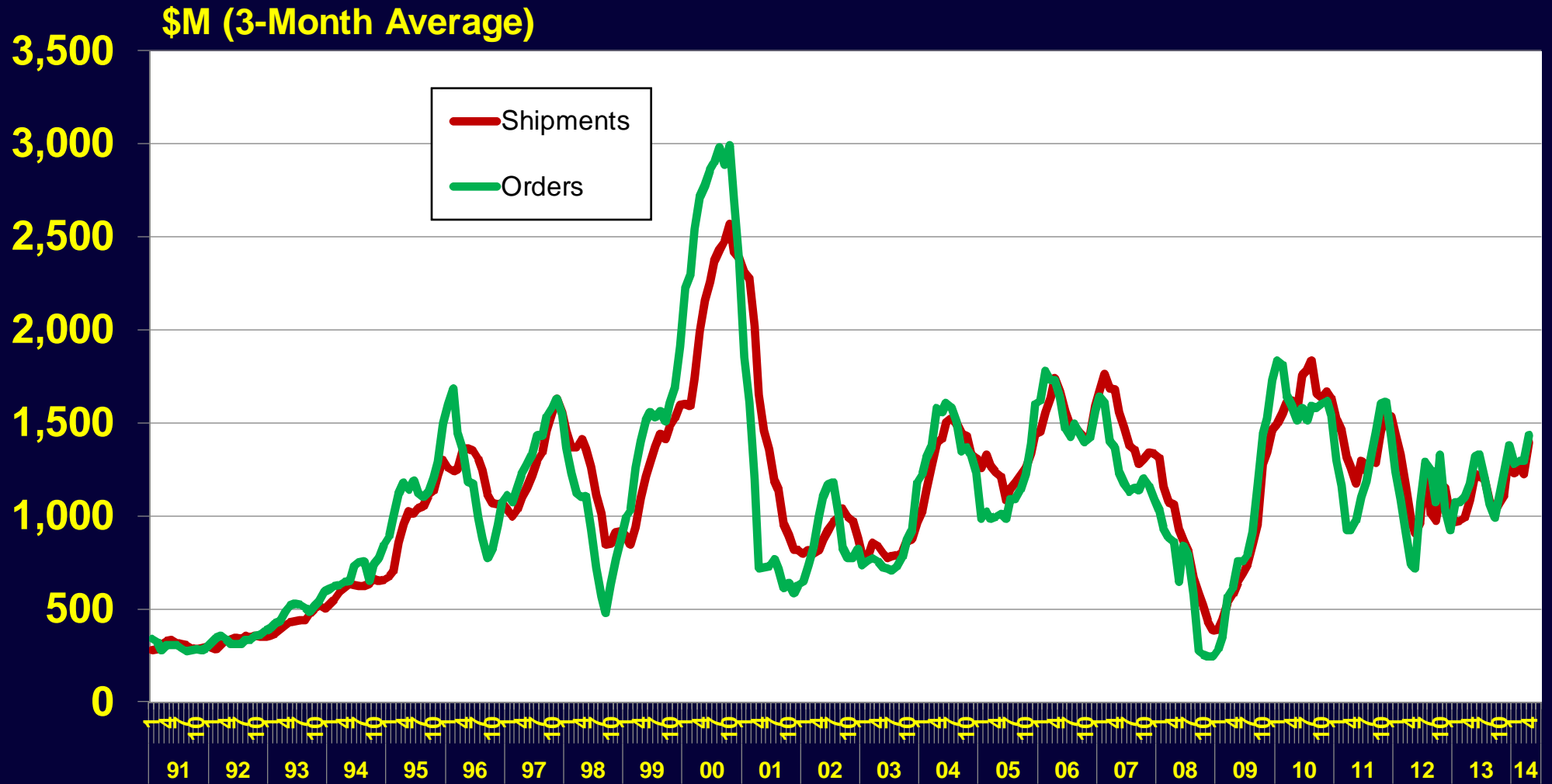
# N American Semiconductor Equipment Industry Book/Bill Ratio



**SOURCE Semiconductor Equipment and Materials International**  
<http://www.semi.org>

Chart 13

# N American Semiconductor Equipment Industry Shipments & Orders



SOURCE Semiconductor Equipment and Materials International  
<http://www.semi.org>

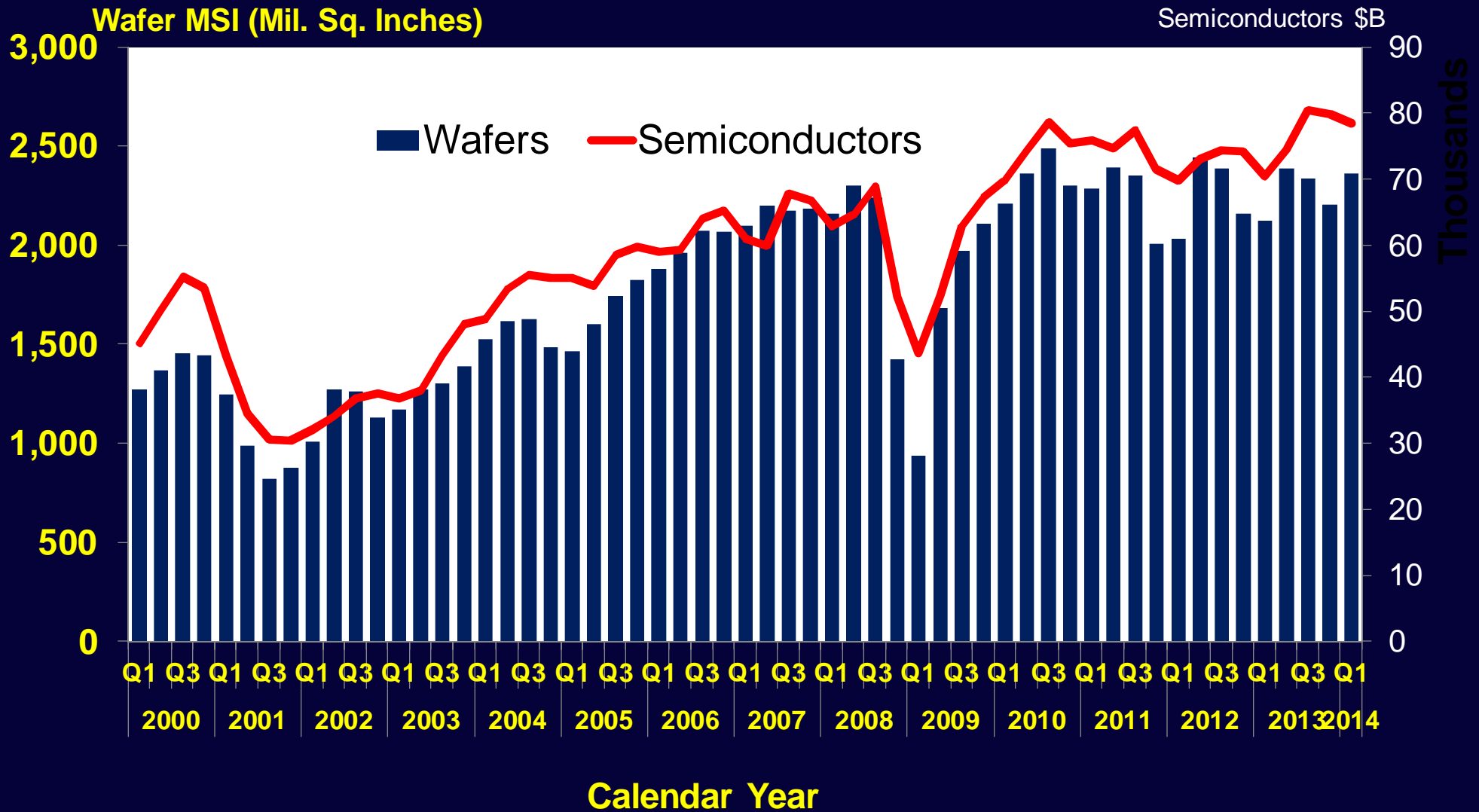
# Top O-S-D Semiconductor Suppliers

## Optoelectronics, Sensor/Actuators & Discretes (\$M)

	2012	2013	13/12 %
Sony	3,783	3,598	-5%
Nichia	2,352	2,295	-2%
ST	2,137	2,167	1%
Toshiba	2,162	2,090	-3%
Infineon	1,850	1,858	0%
Samsung	1,794	1,858	4%
Renesas	1,827	1,570	-14%
Mitsubishi	1,690	1,513	-10%
Omnivision	1,211	1,483	22%
Sharp	1,505	1,418	-6%
<b>Top 10</b>	<b>20,311</b>	<b>19,850</b>	<b>-2%</b>
<b>Top 11-30</b>	<b>18,105</b>	<b>18,522</b>	<b>2%</b>
<b>Others</b>	<b>19,762</b>	<b>20,186</b>	<b>2%</b>
<b>WW Total</b>	<b>58,178</b>	<b>58,558</b>	<b>1%</b>

Chart 15

# Global Silicon Wafer vs. Semiconductor Shipments (excluding solar applications for wafers)



# 1Q'14 Semiconductor Sales Leaders (US\$ millions, including Foundries)

<u>Rank</u>	<u>Maker</u>	<u>1Q'14</u>	<u>1Q'14/1Q'13</u>
1	Intel	11,666	1%
2	Samsung Electronics	8,797	11%
3	TSMC	4,852	9%
4	Qualcomm	4,253	8%
5	Micron+Elpida	4,175	27%
6	SK Hynix	3,507	36%
7	Toshiba	2,793	-5%
8	Texas Instruments	2,792	3%
9	Broadcom	1,984	1%
10	Renesas	1,865	-1%
11	STMicroelectronics	1,801	-10%
12	MediaTek+Mstar	1,608	48%
13	Infineon	1,440	19%
14	AMD	1,397	28%
15	Avago+LSI	1,305	15%
16	NXP	1,246	15%
17	Nvidia	1,072	14%
18	Freescale	1,071	15%
19	GlobalFoundries	1,010	7%
20	UMC	1,006	12%
	<b>Total Top 20</b>	<b>59,630</b>	<b>9%</b>