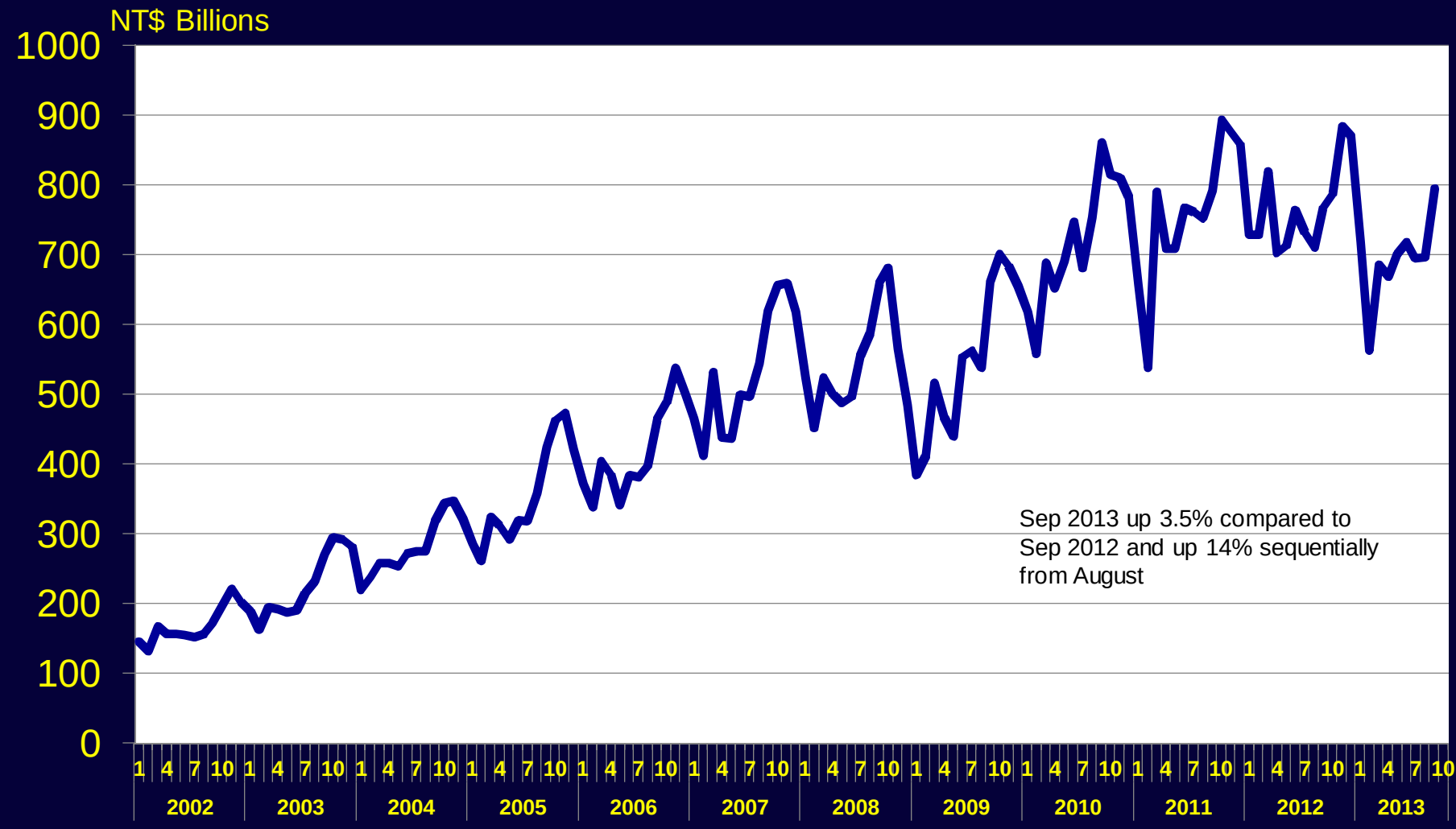
20131010
Chart 1

Taiwan/China Electronic Equipment Producers
Composite of 101 Manufacturers
Consolidated Revenue

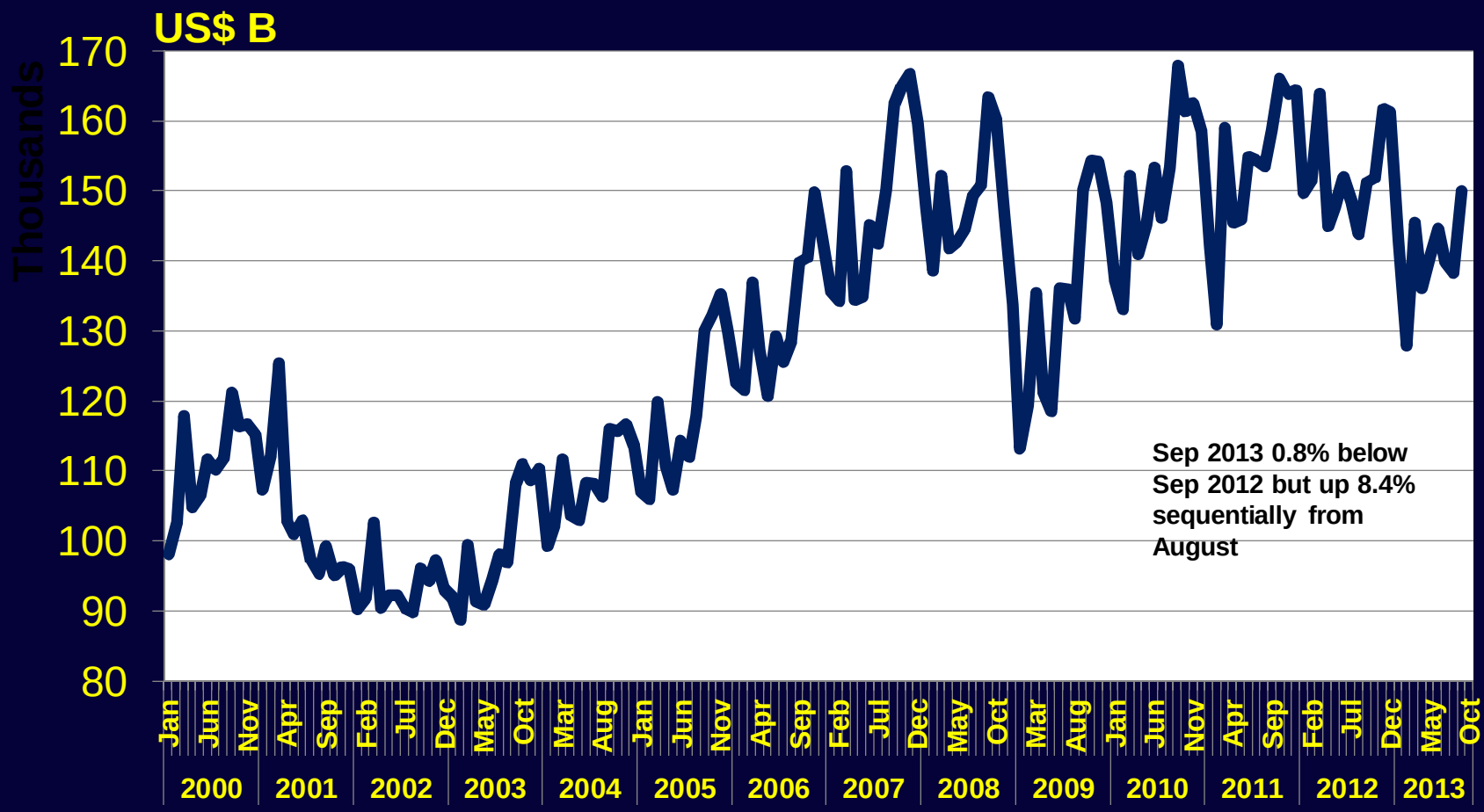


Taiwan listed companies, often with significant manufacturing in China

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Chart 2

World Electronic Equipment Monthly Shipments

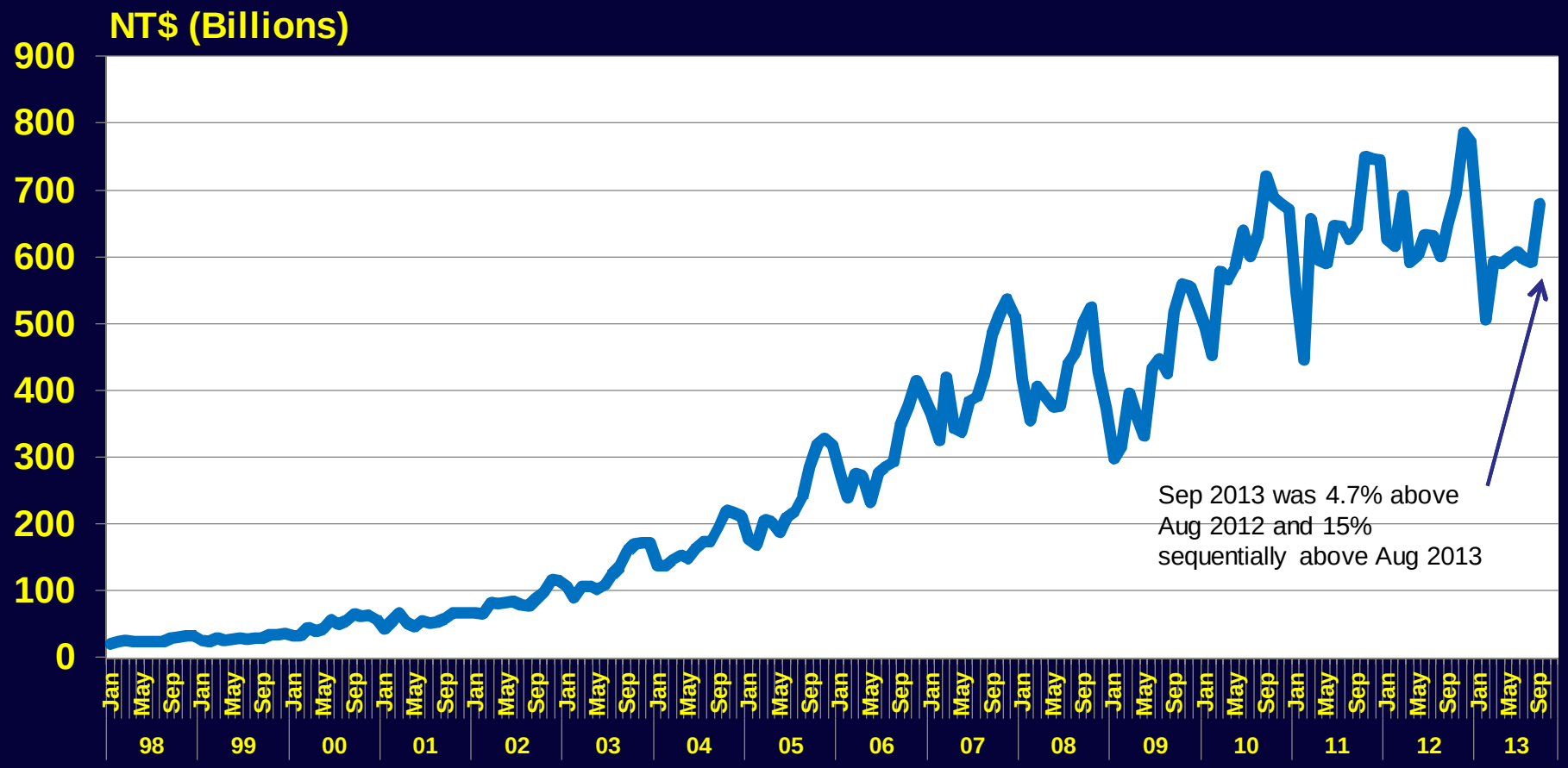
Converted @ Constant 2010 Exchange Rates



Source: Custer Consulting Group

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Chart 3

Taiwan ODM Companies
Composite Sales of 10 Large Manufacturers

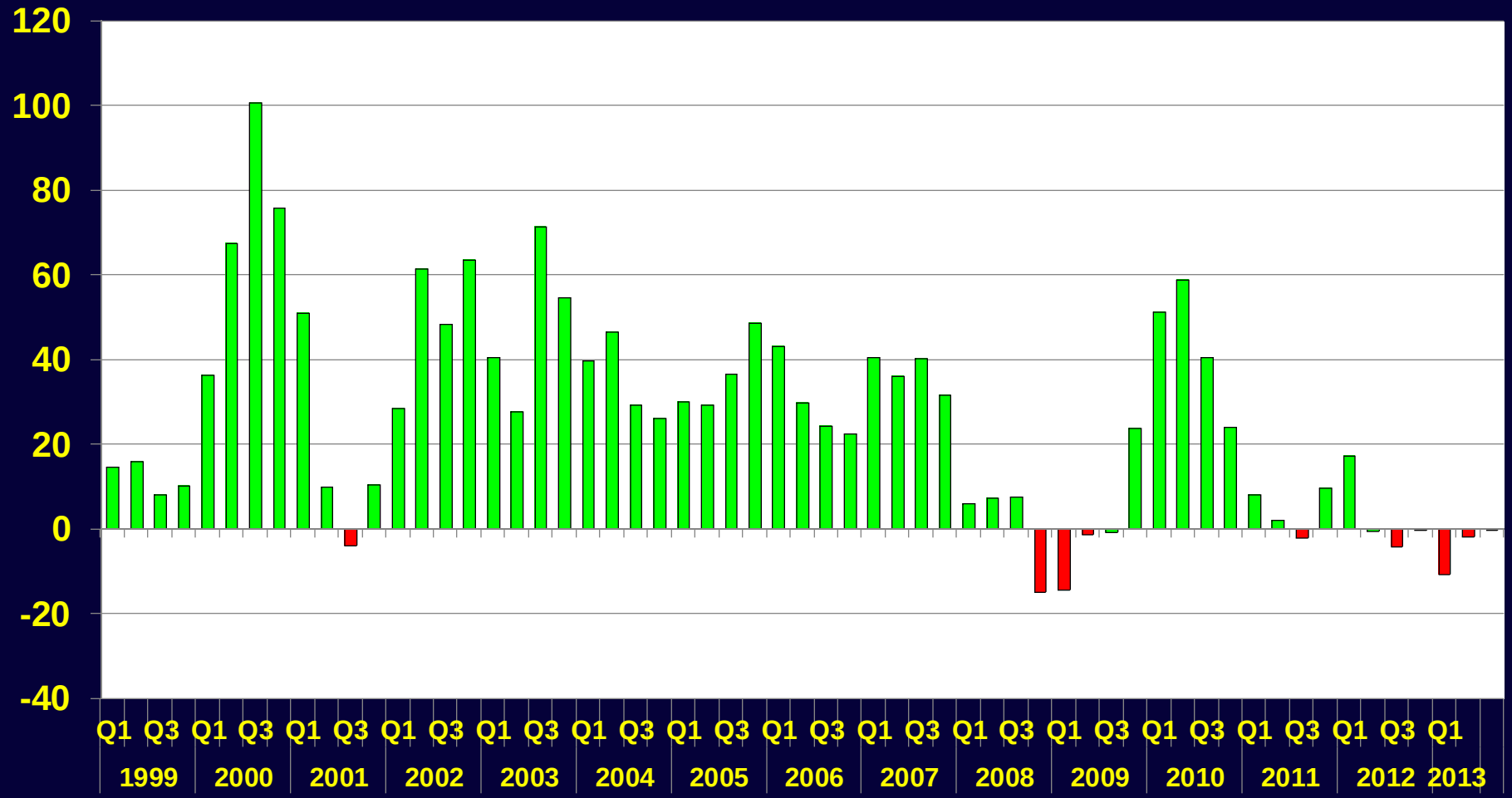


Company Financial Releases

Asustek Computer, Chei Mei, Compal Electronics, Foxconn, Chimei Innolux , Inventec, Inventec Appliance, Lite On Technology, Mitac International, Quanta Computer, Wistron, Chei Mei Display replacing Chei Mei & Innolux Display 3/10 & later

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Chart 4

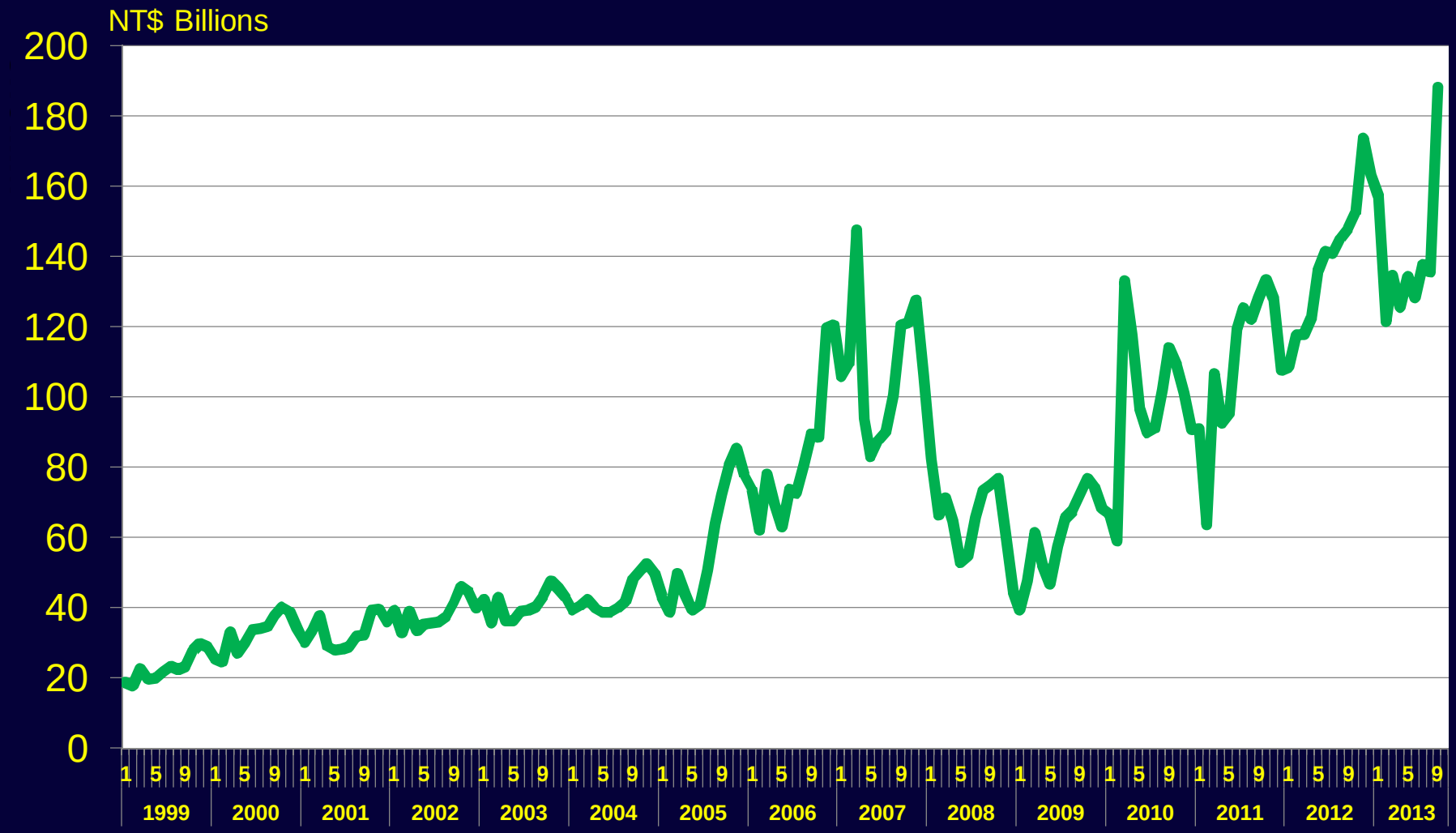
Large ODM Companies
Composite of 10 Public Manufacturers
Quarterly Revenue Growth



Asustek Computer, Compal Electronics, Foxconn, Chimei Innolux, Inventec, Inventec Appliance, Lite On Technology, Mitac International, Quanta Computer, Wistron

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Chart 5

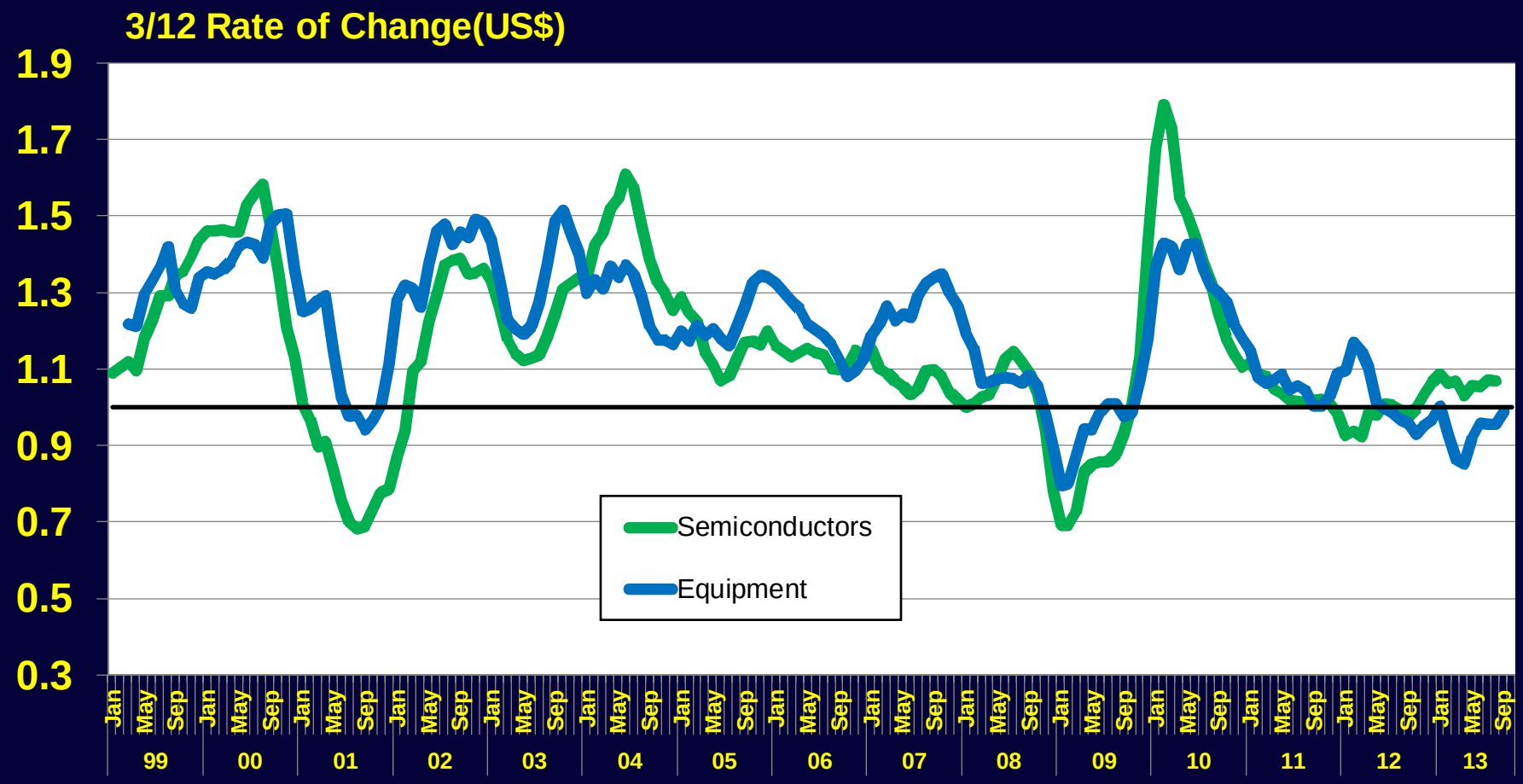
Taiwan/China Motherboard Vendor Sales
Composite of 22 Manufacturers



Taiwan listed companies, often with significant manufacturing in China

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Chart 6

Semiconductor Shipments to SE Asia vs. Taiwan/China Electronic Equipment Production



Total $ Semiconductor Shipments from All Countries to SE Asia www.sia-online.org/
101 Taiwan listed companies, often with significant manufacturing in China

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Chart 7

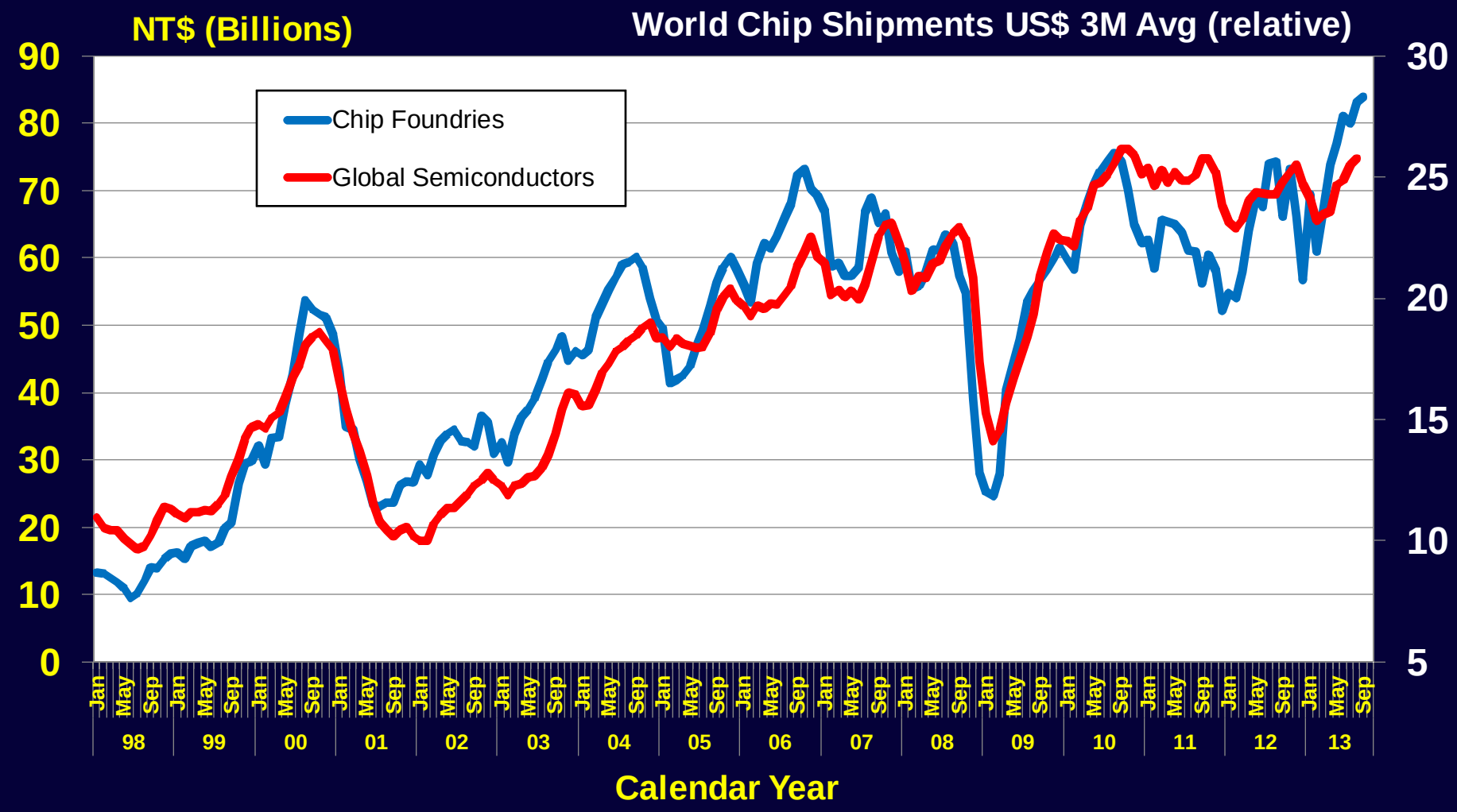
Taiwan Wafer Foundries
Composite of 14 Manufacturers



VIA Technologies, Advance Microelectronics, Advance Wireless Semiconductor, Episil Technologies, Inotera Memories, Macronix Intl, Mosel Vitelic, Powerchip Semi, Precision Silicon, ProMOS Tech, TSMC, United Microelectronics, Vanguard International Semi, Winbond Electronics

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Chart 8

Taiwan Wafer Foundry Composite vs Global Semiconductor Revenues



14 Taiwan Company Financial Releases & SIA

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Chart 9

Taiwan Package & Test Companies
Composite of 20 Manufacturers



ASE, Ardentec, ChipMOS Tech, Chipbond Tech, E'dale Tech, Formosa, Advance Tech, Fupo Elec, Greatek Elec, International Semiconductor Tech, King Yuan Elec, Lingsen Precision, Orient Semiconductor, Powertech Tech, Signality System, Sigurg Microelectronics, SPIL, Thalin Semiconductor, Vate Tech, Walton Advanced Tech

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Chart 10

Taiwan Memory Companies
Composite of 8 Manufacturers

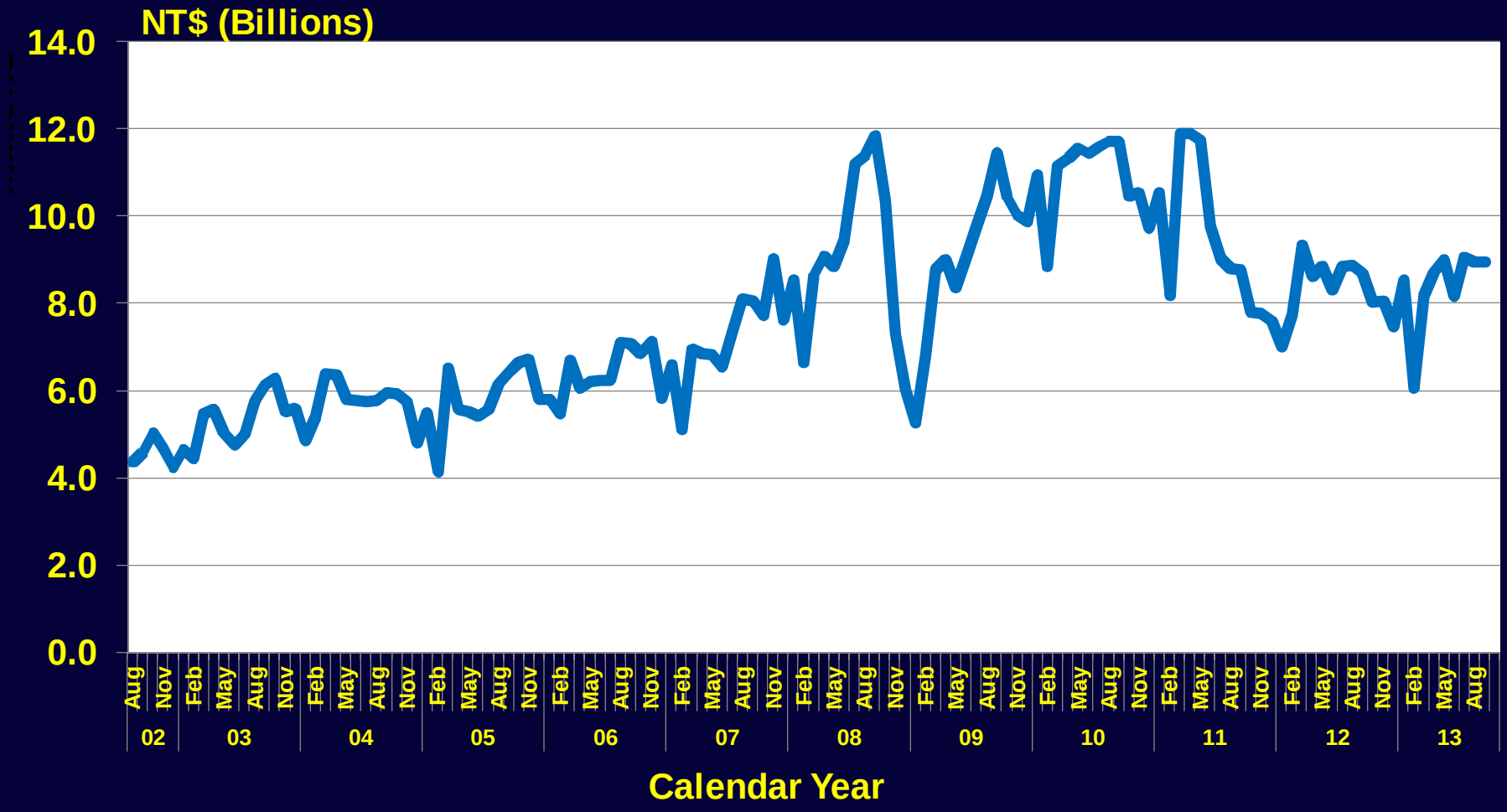


Silicon Integrated Systems, Inotera Memories, Macronix Intl, Mosel Vitelic, NanYa Tech, Powerchip Semiconductor, ProMOS, Winbond Elec

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Chart 11

Taiwan Passive Component Companies
Composite of 25 Manufacturers

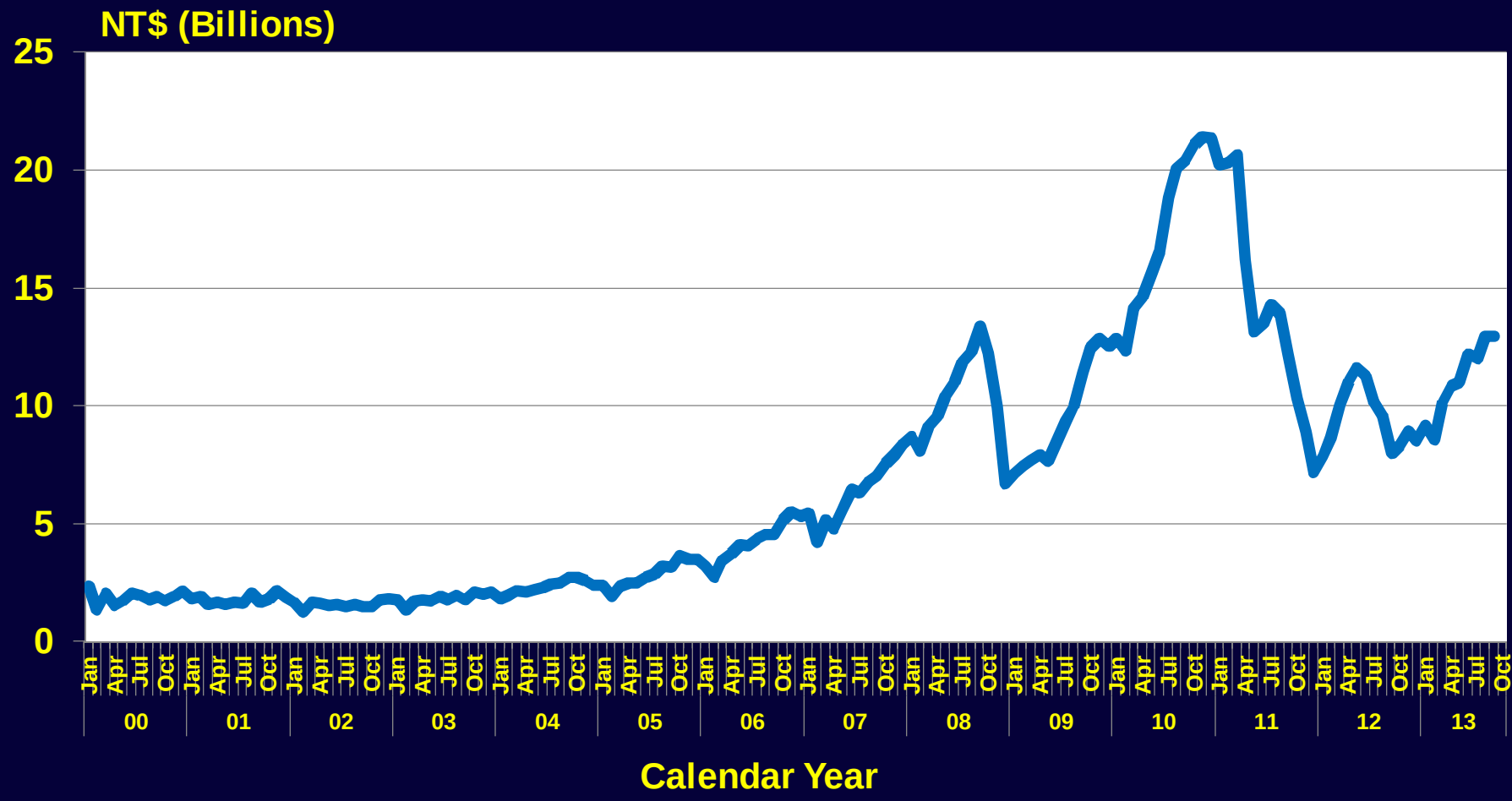


Chilsin Electronics, Cyntec, (FCE) Feei Cheng Enterprise, Holy Stone Enterprise, 3H (Honey Hope Honesty Enterprise), HJC (Hua Jung Components), Inpaq, Jaan Chem Technological, Kaimei Electronic, King Core Electronics, Laser Tek, Leatec Fine Ceramics, Lelon Electronics, Linton Technology, PTTC (Polytronics Technology Corp), PDC (Prosperity Dielectrics Co), Ralec Electronic, Ta-I Technology, Taiwan Alpha Electronic, Team Young Advanced Ceramics, Teapo Electronic, Thinking Electronic Industrial, WTC (Walsin Technology Corp), Yageo, YCTC (Yeh-Chiang Technology Corp)

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Chart 12

Taiwan Solar/Photovoltaic Panel Companies
Composite of 17 Manufacturers



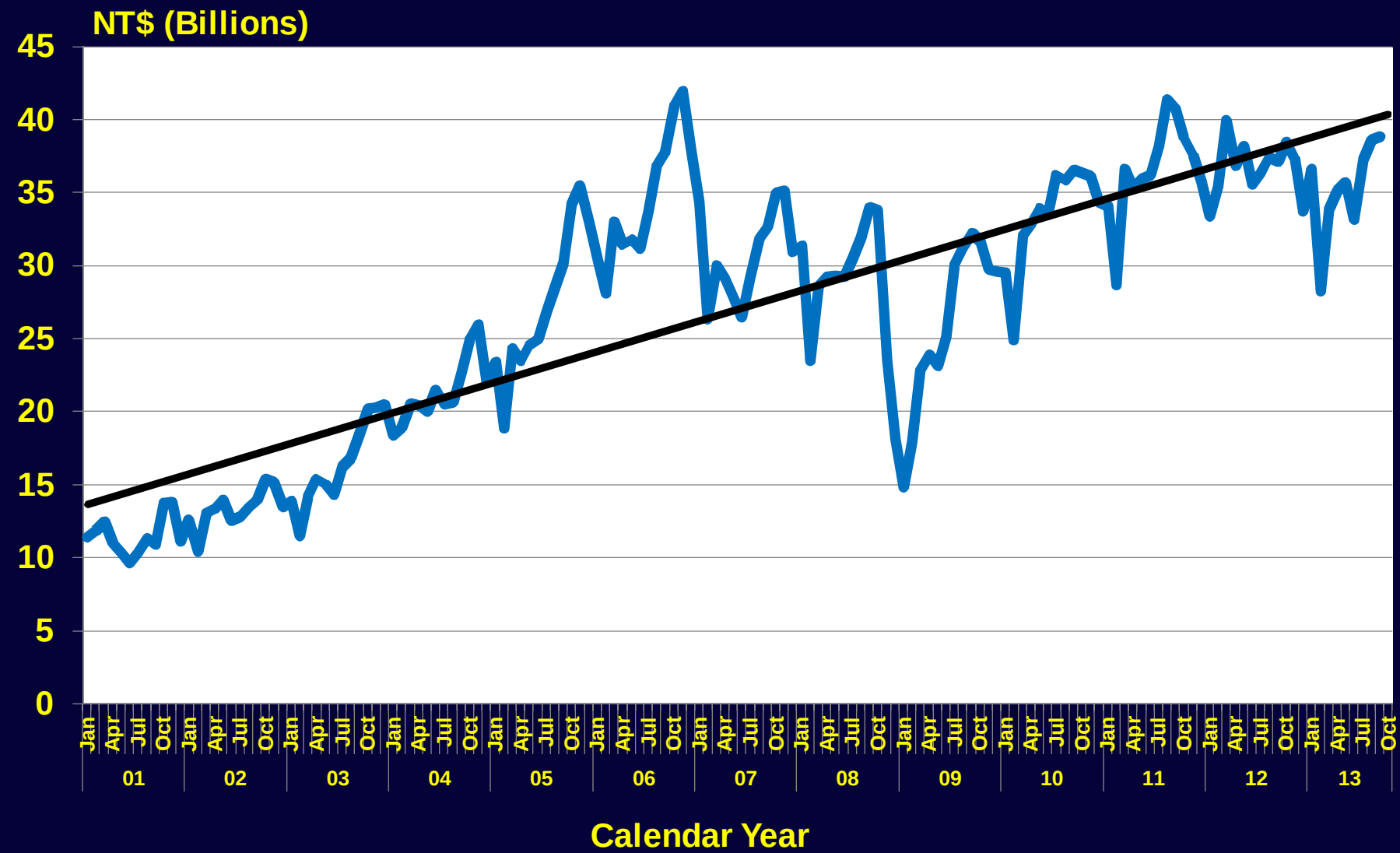
Big Sun Energy Technology, Daxon, DelSolar, e_TON Solar Tec, Eversol, Gintech, Green Energy Technology (GET), Ligitek, Motech, Neo Solar Power, Phoenixtec Power Co (PPC), Precision Silicon, Sino-American Silicon Products, Sonartech, Sysgration, Tyntek, Wafer Works

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Chart 13

Taiwan Rigid & Flex PCB Shipments

Broad Composite of 46 Taiwan-listed Manufacturers

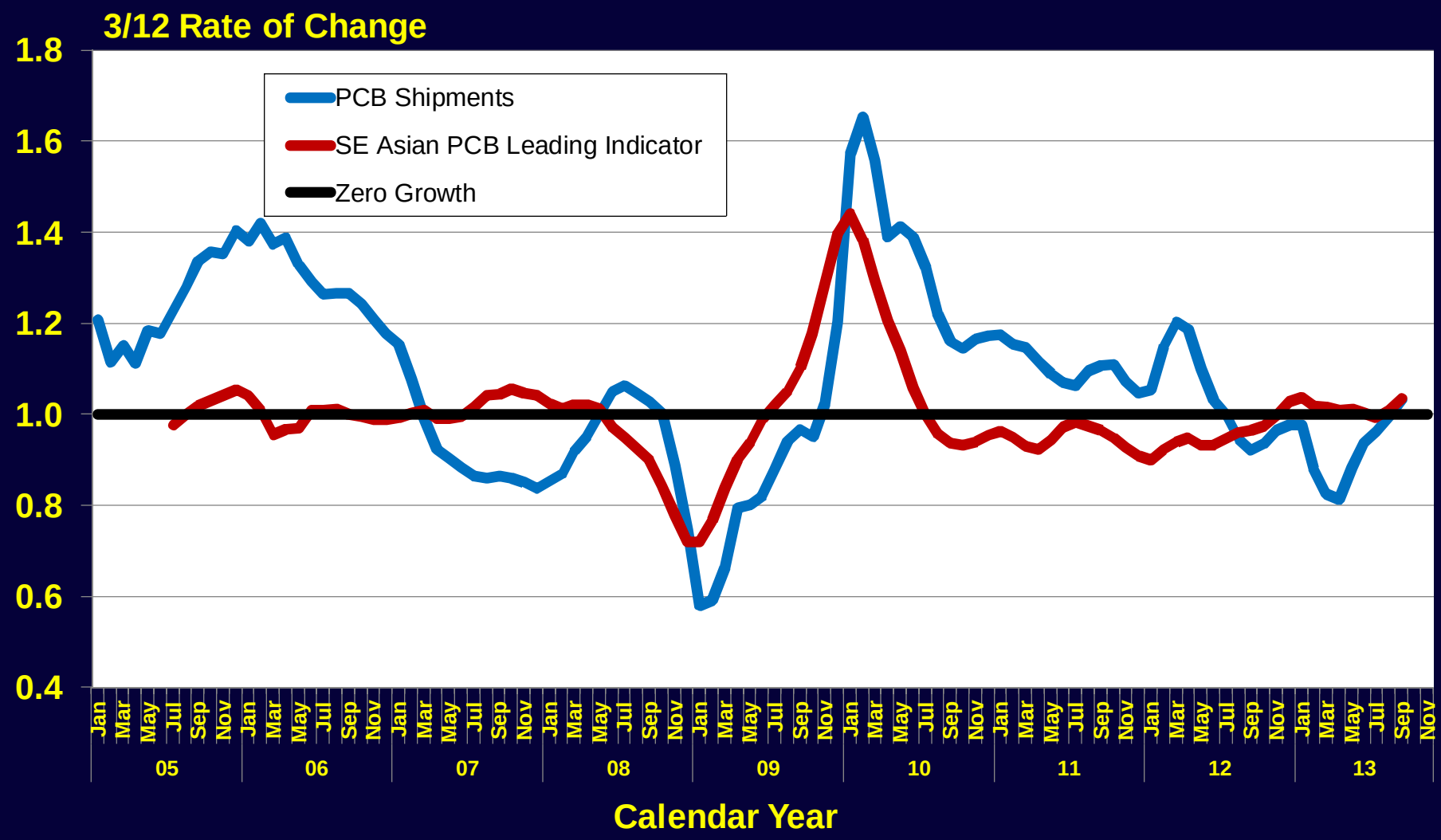


Company Financial Releases

20131004

Chart 14

SE Asia CCG PCB Leading Indicator vs. SE Asia PCB Shipments

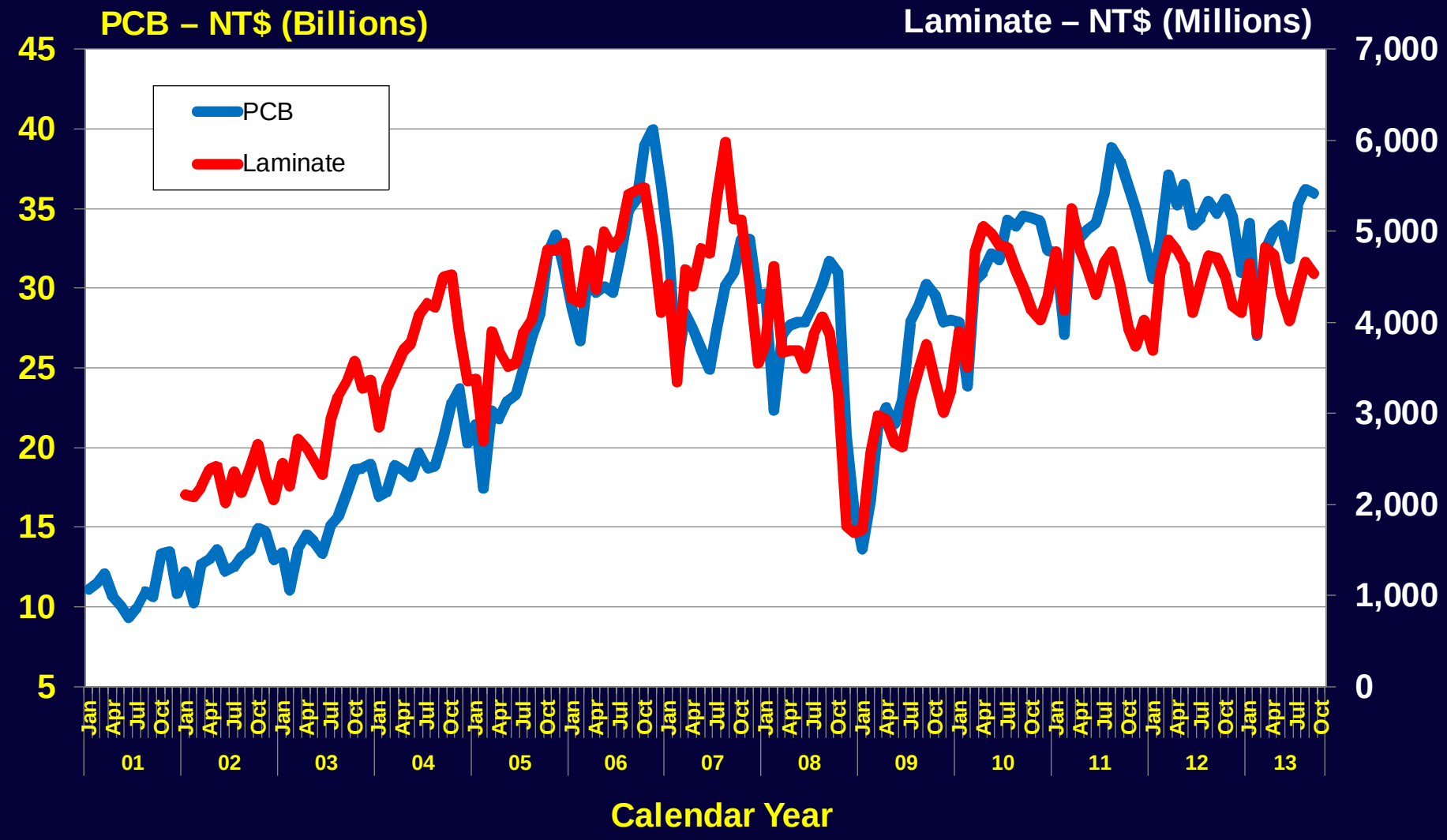


Source: Custer Consulting Group

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Chart 15

Taiwan Shipments
42 Rigid PCB & 8 Laminate Manufacturers



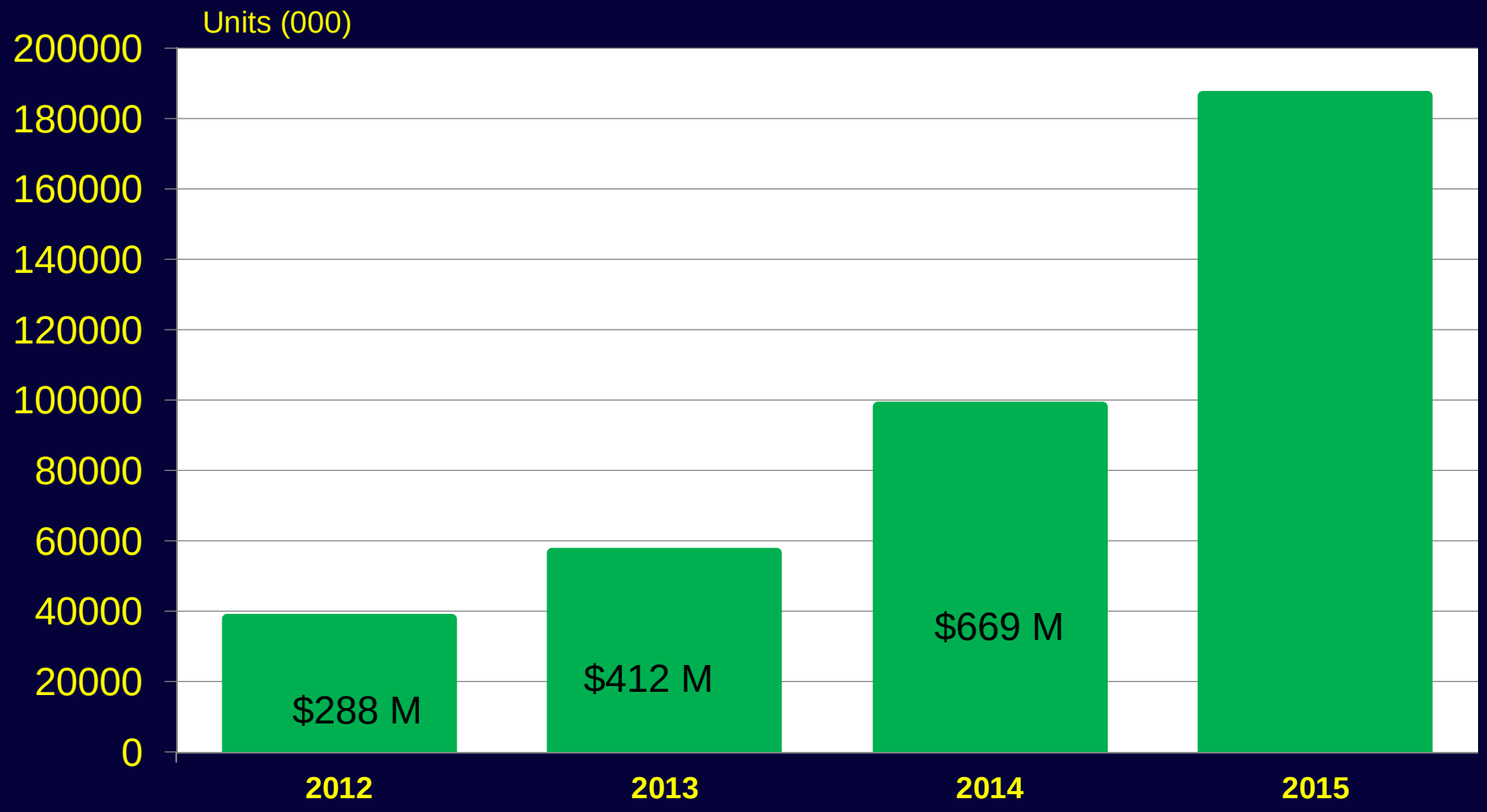
Company Financial Releases

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Chart 16

Worldwide 3D Printer Shipments

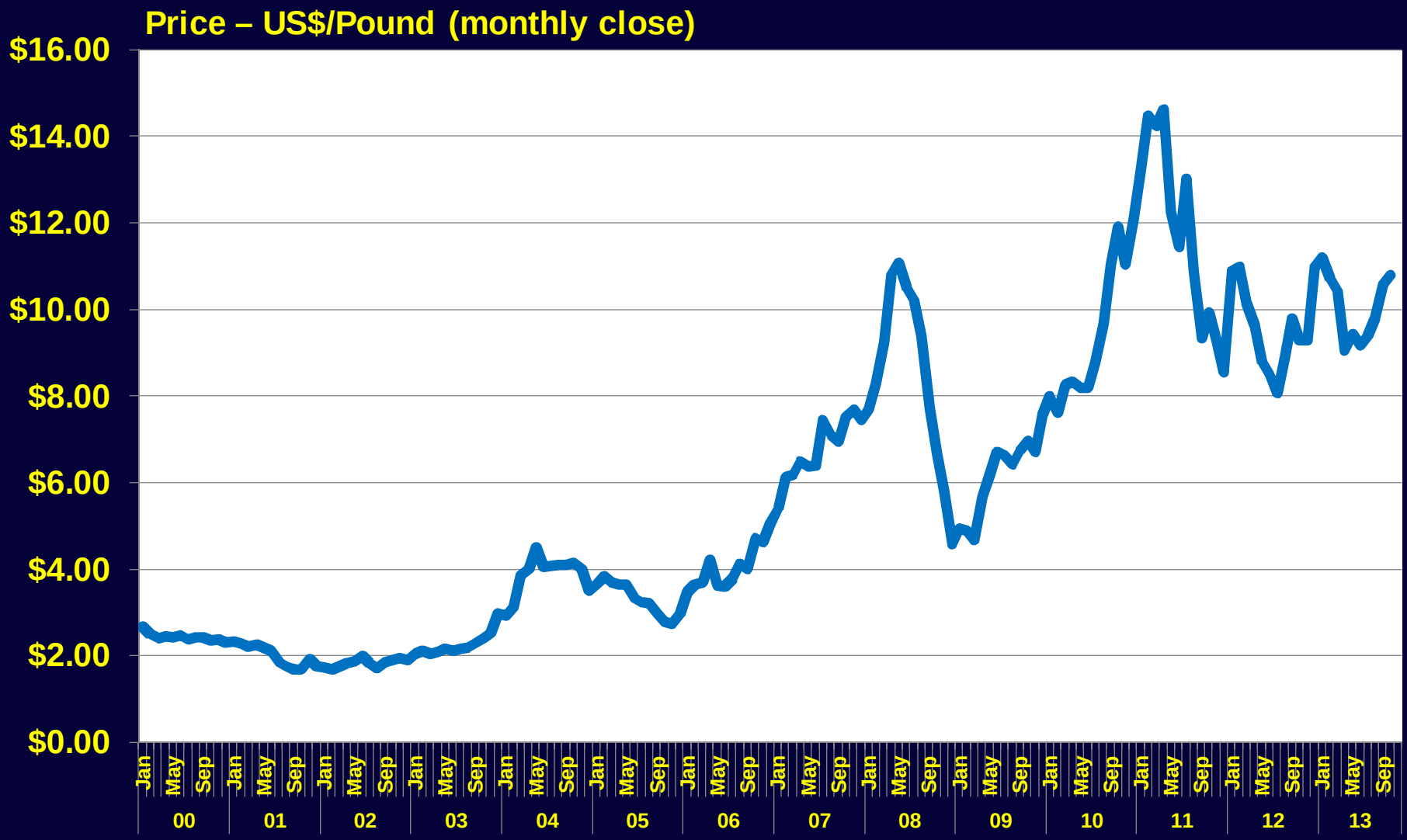
(priced < $100,000)



Gartner 10/13

20131005
Chart 17

Tin

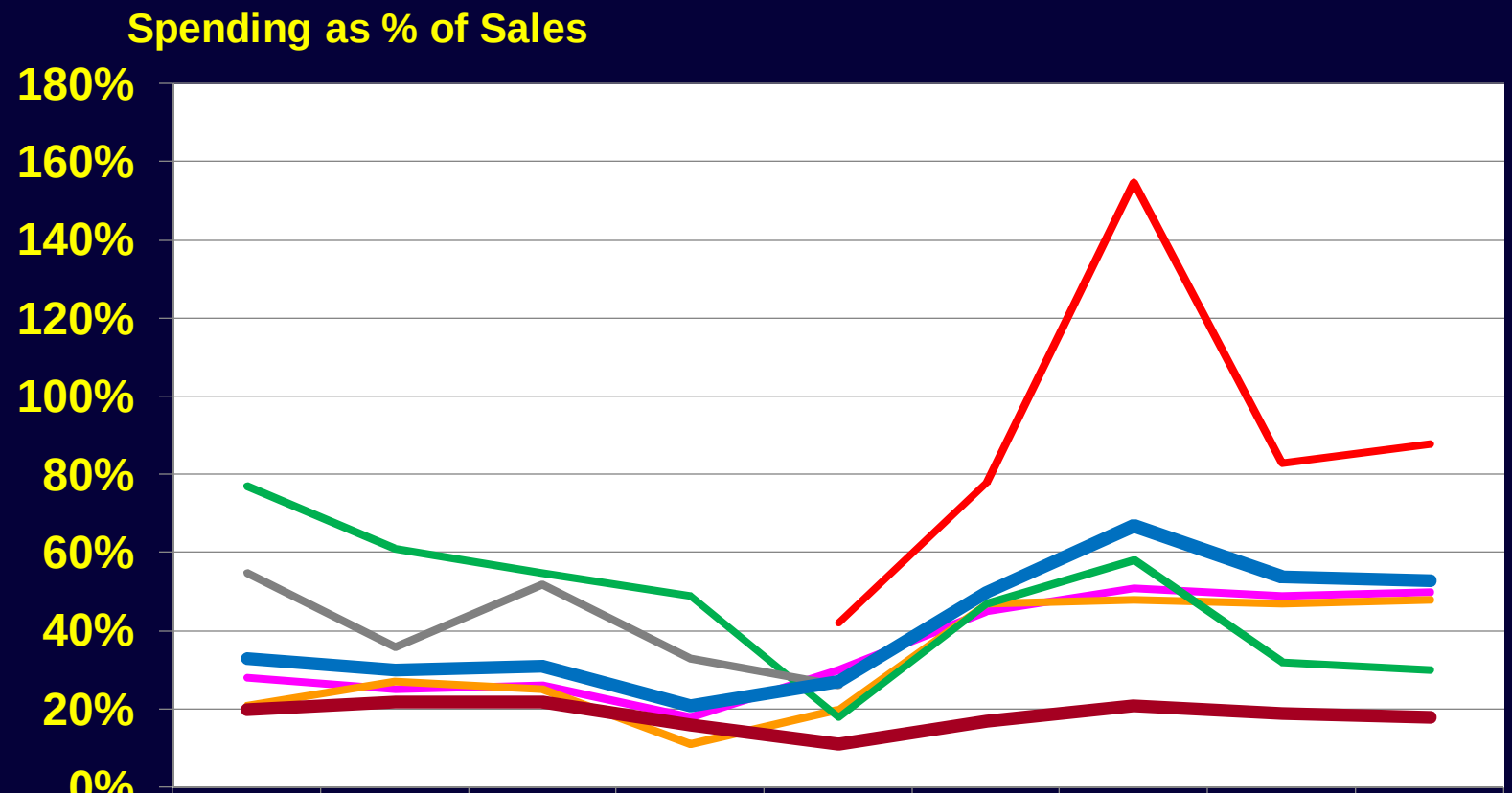


www.metalprices.com/pubcharts/Public/Tin_Price_Charts.asp?WeightSelect=LB&SizeSelect=M&ccs=1011&cid=0

20131013

Chart 18

Pure-Play Foundies' Capital Spending



	2005	2006	2007	2008	2009	2010	2011	2012	2013
TSMC	28%	25%	26%	18%	30%	45%	51%	49%	50%
UMC	21%	27%	25%	11%	20%	47%	48%	47%	48%
GlobalFoundries					42%	78%	155%	83%	88%
SMIC	77%	61%	55%	49%	18%	47%	58%	32%	30%
Chartered	55%	36%	52%	33%	26%				
Big 4 Total	33%	30%	31%	21%	27%	50%	67%	54%	53%
Semiconductor Ind Avg	20%	22%	22%	16%	11%	17%	21%	19%	18%

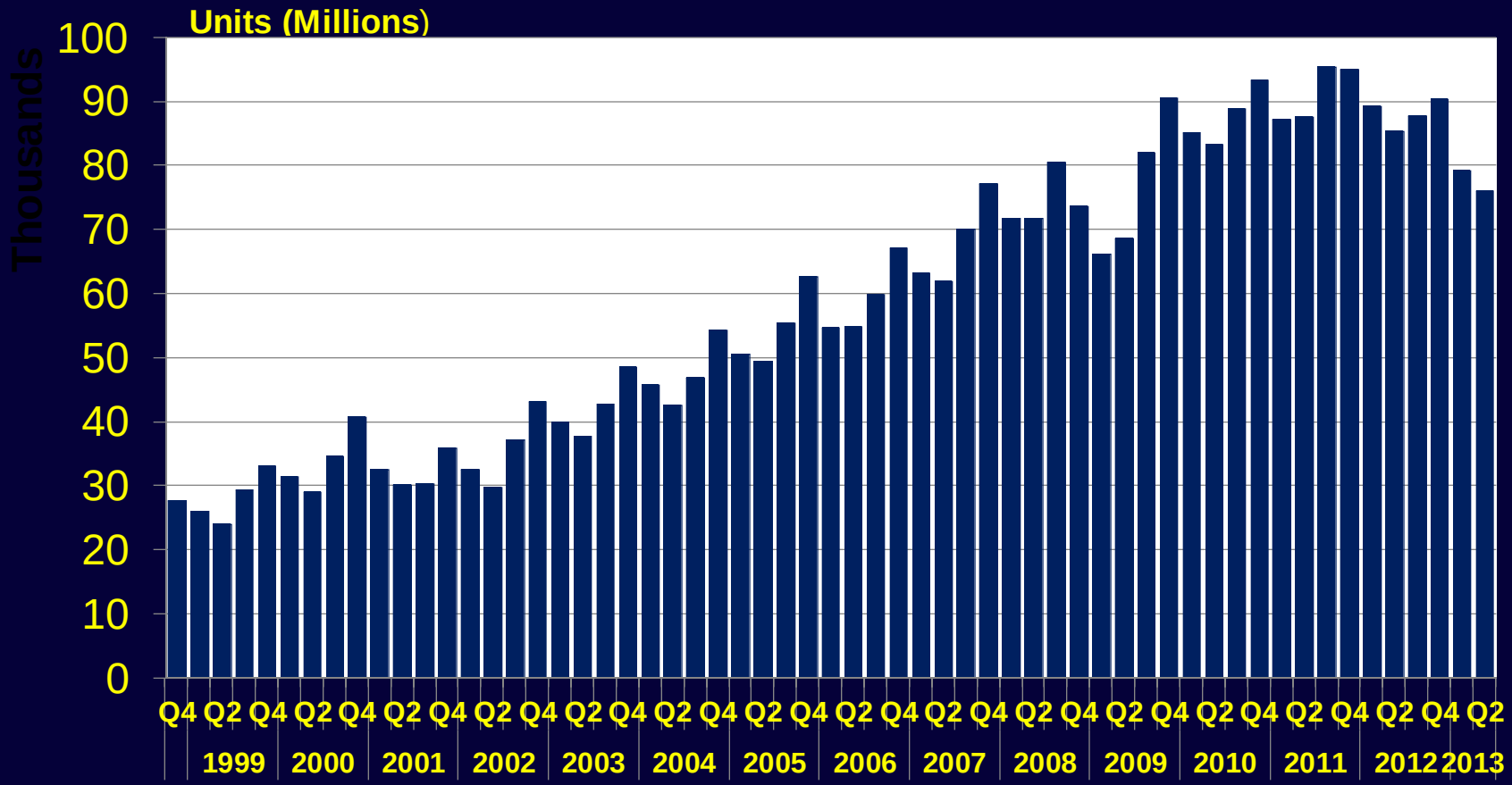
IC Insights 10/13

Chart 19

Personal Computer Unit Shipments

World

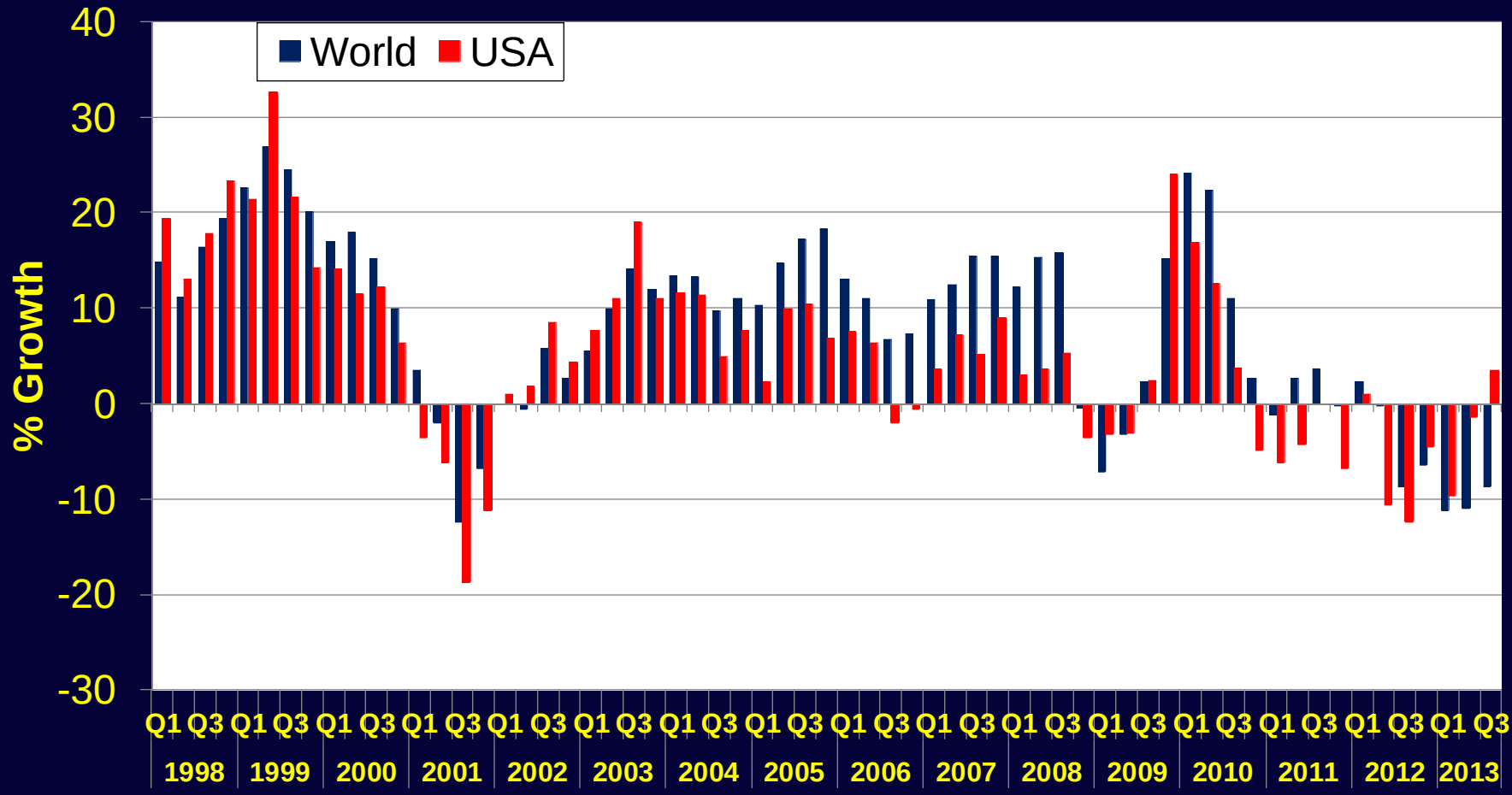
Units



Gartner Dataquest 10/13 & prior reports
Server & Media Tablets not included

20131010
Chart 20

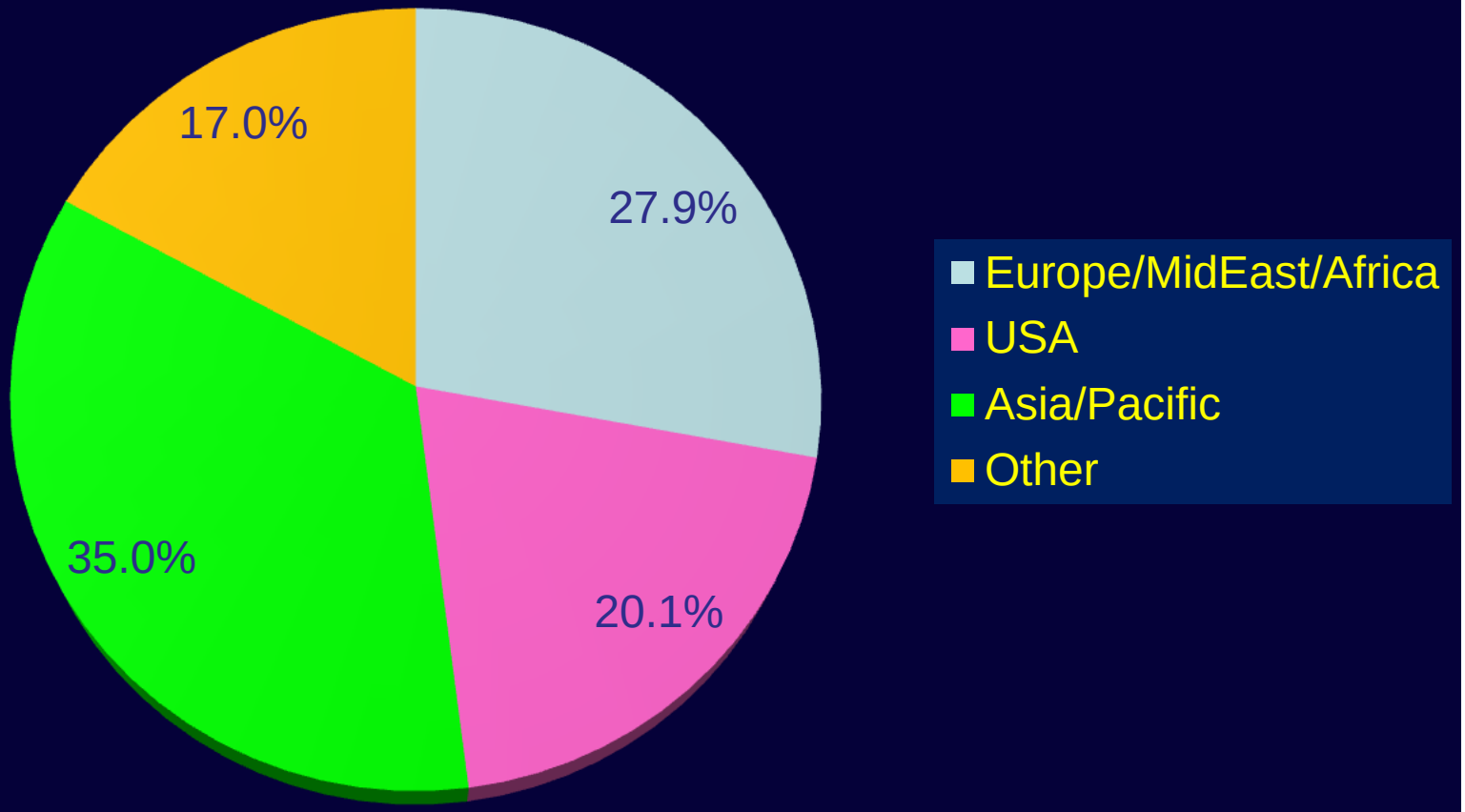
Personal Computer Market Growth
World & USA



Gartner Dataquest

20131011
Chart 21

World Personal Computer Market
3Q'13



TOTAL: 80.3 Million Units

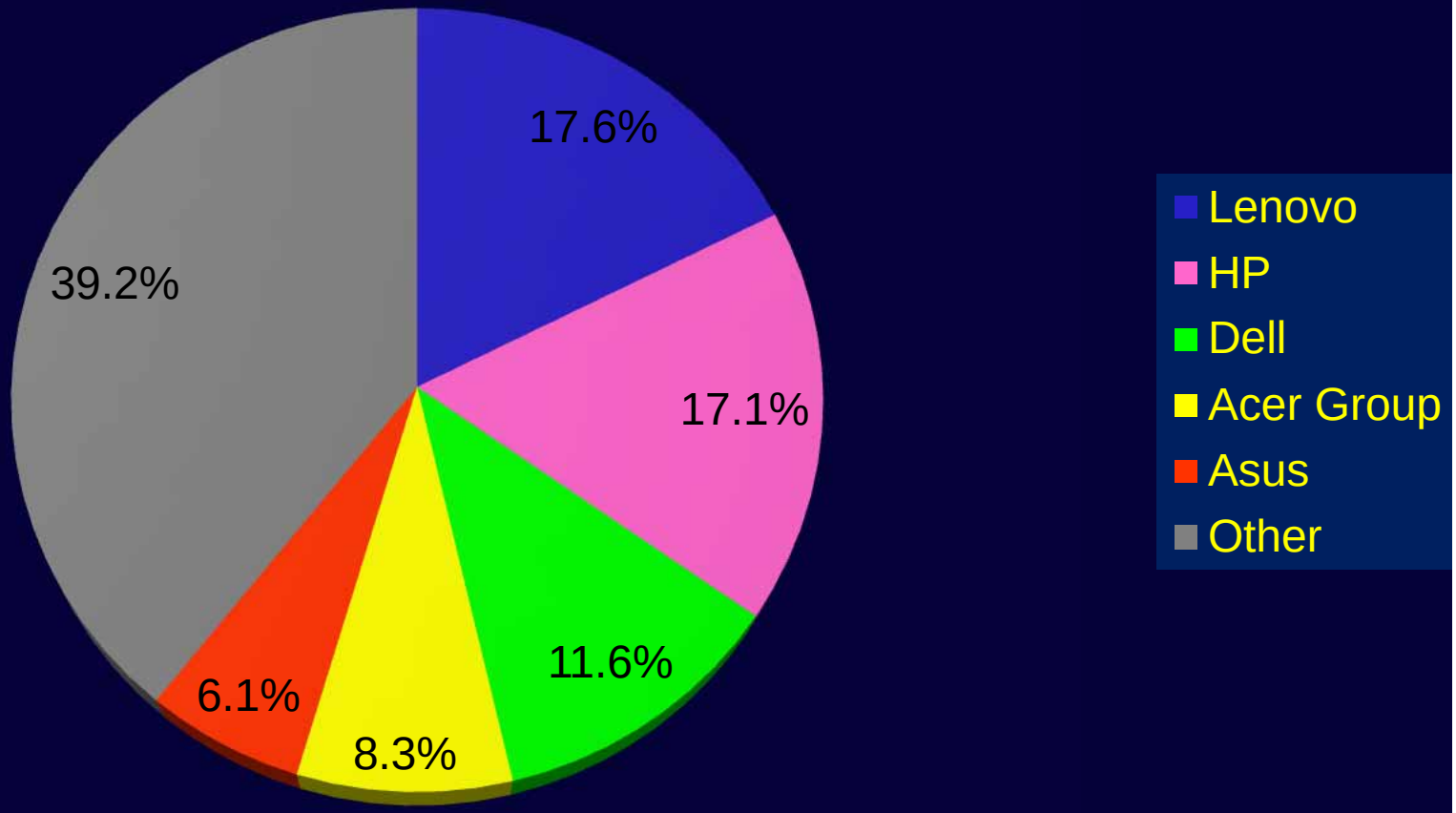
Includes desk-based PCs, mobile PCs, mini-notebooks but not Media Tablets

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Chart 22

20131011

World Personal Computer Market 3Q'13



TOTAL: 80.3 Million Units

Includes desk-based PCs, mobile PCs, mini-notebooks but not Media Tablets

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