

Industrial Production - Europe

Index (2010 Avg. Month = 100, Seasonally Adjusted)

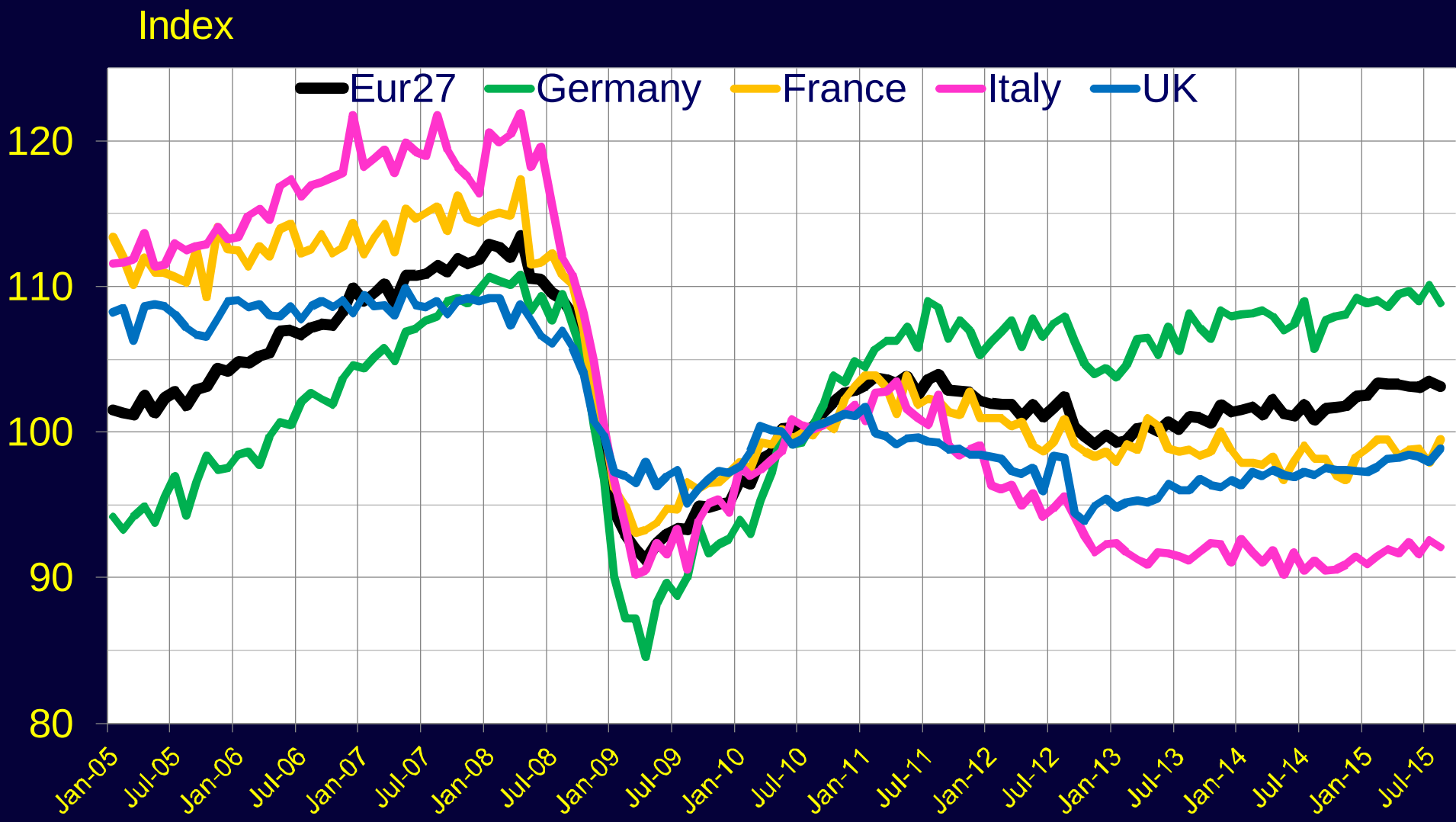
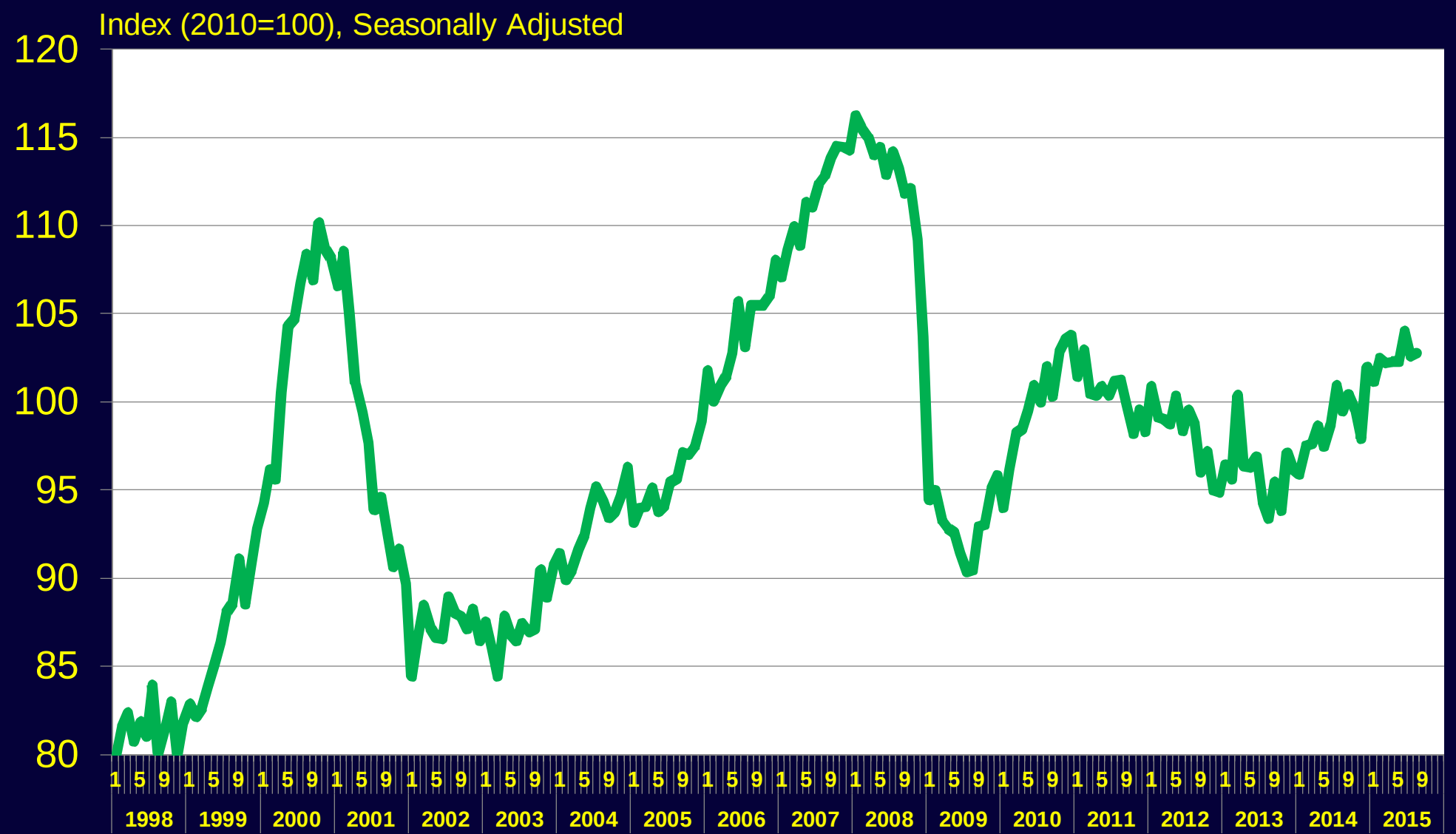


Chart 2

European Computer, Electronic & Optical Products
Production



Europe- EU27

Manufacture of computer, electronic & optical products

12/12 & 3/12 Rate of Change

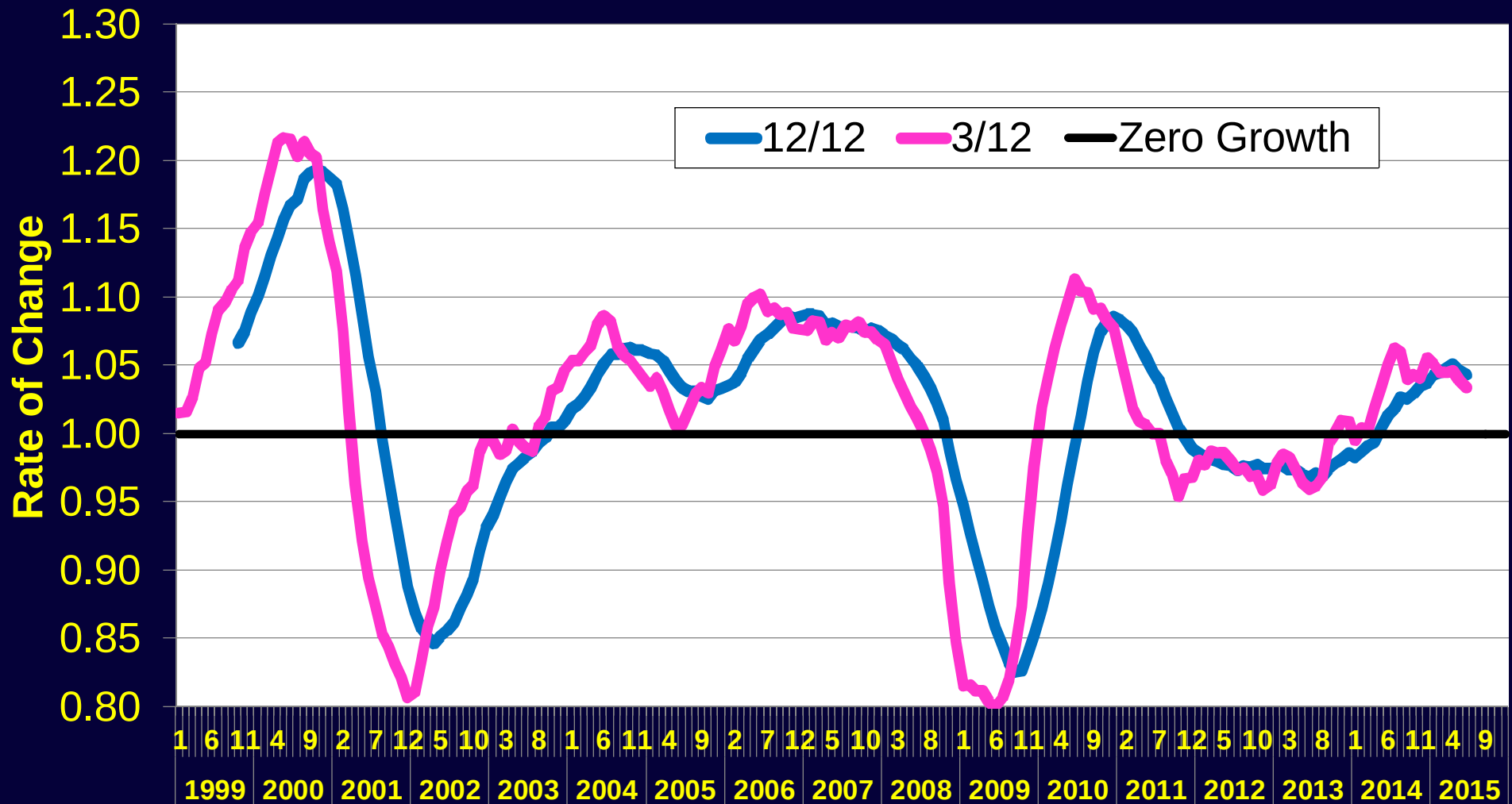


Chart 4

European Motor Vehicle Production

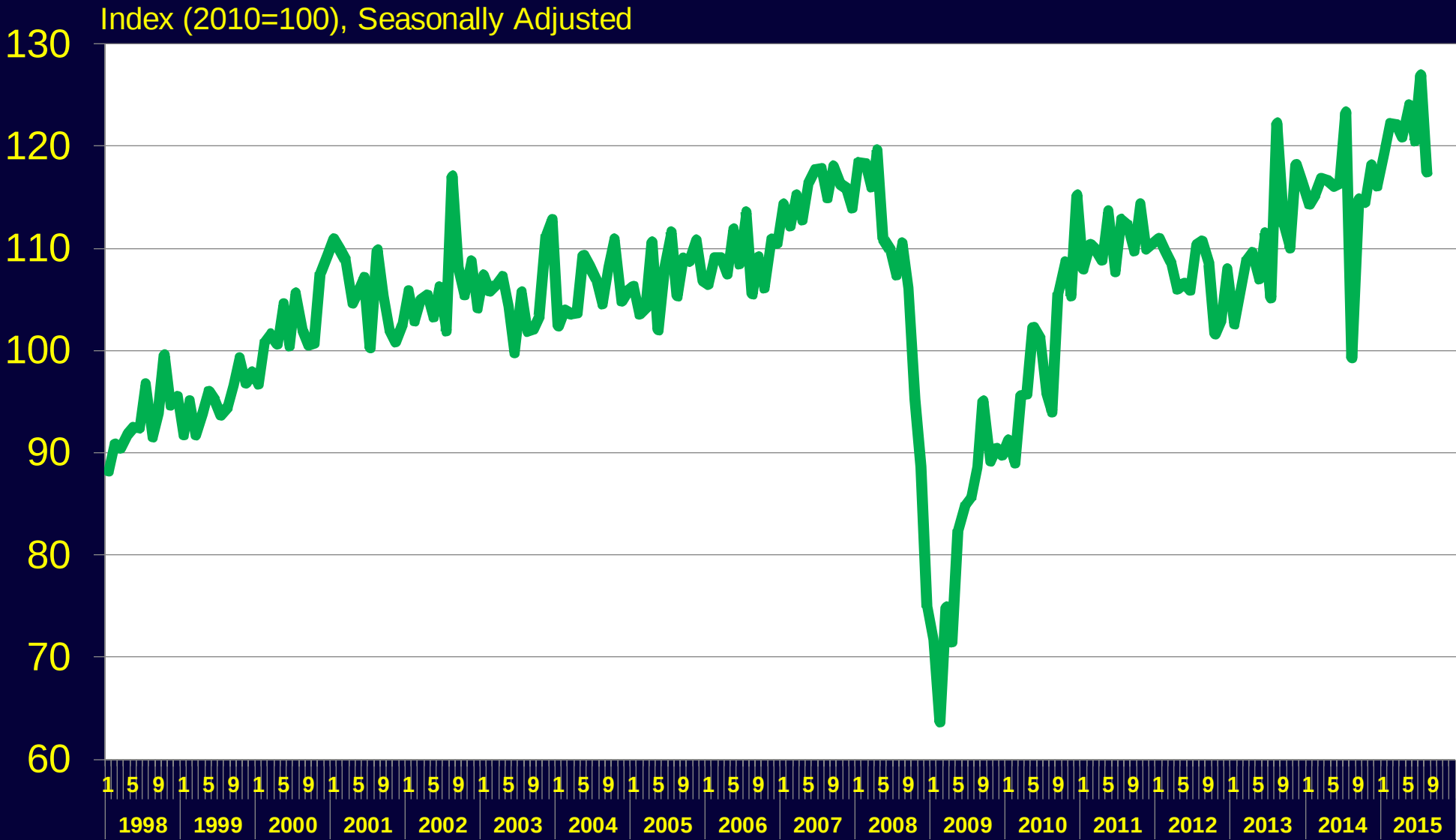


Chart 5

European Production - Aircraft, Spacecraft & Related Equipment

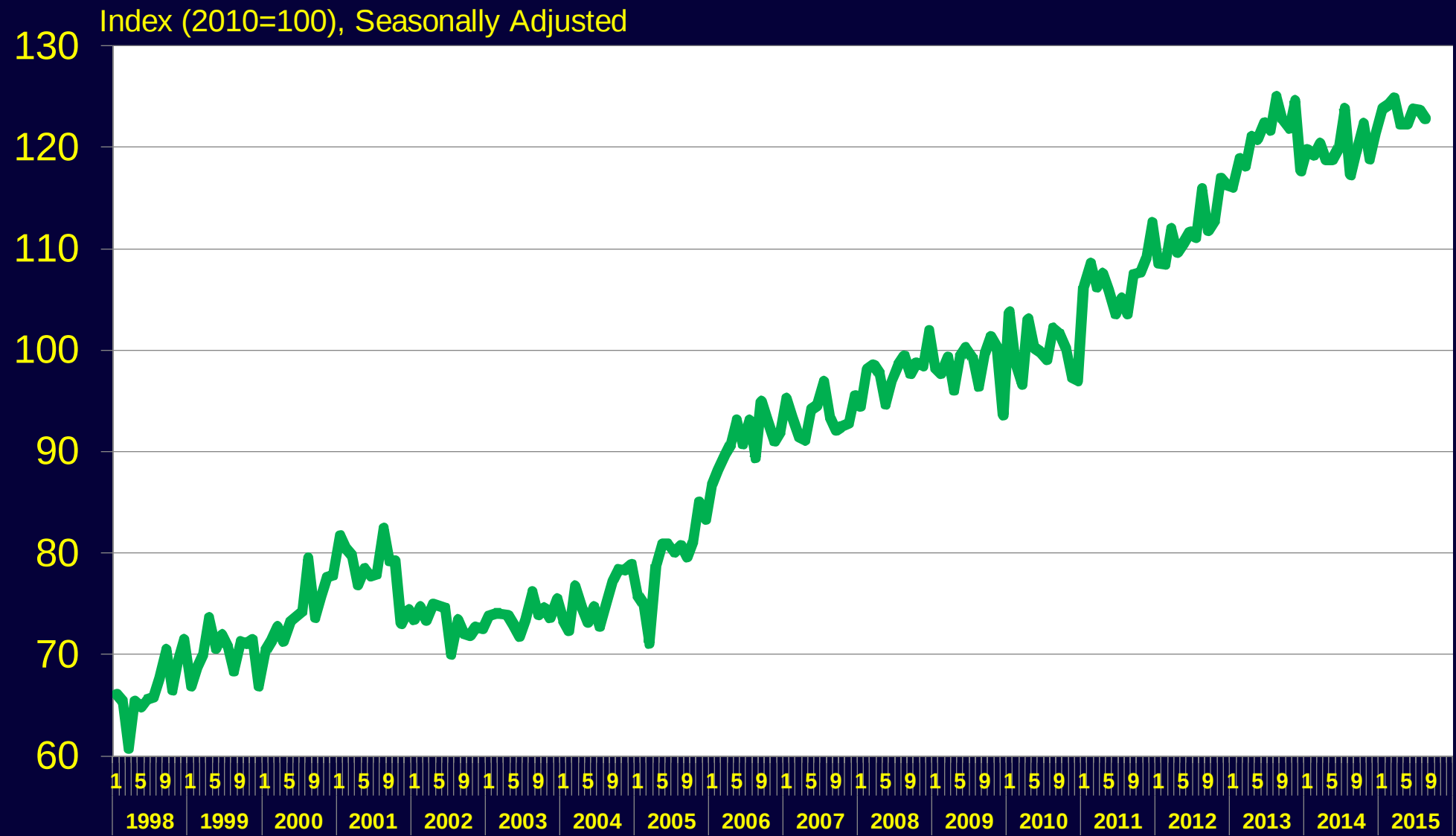


Chart 6

European Production - Instruments & Appliances for Measuring, Testing & Navigation

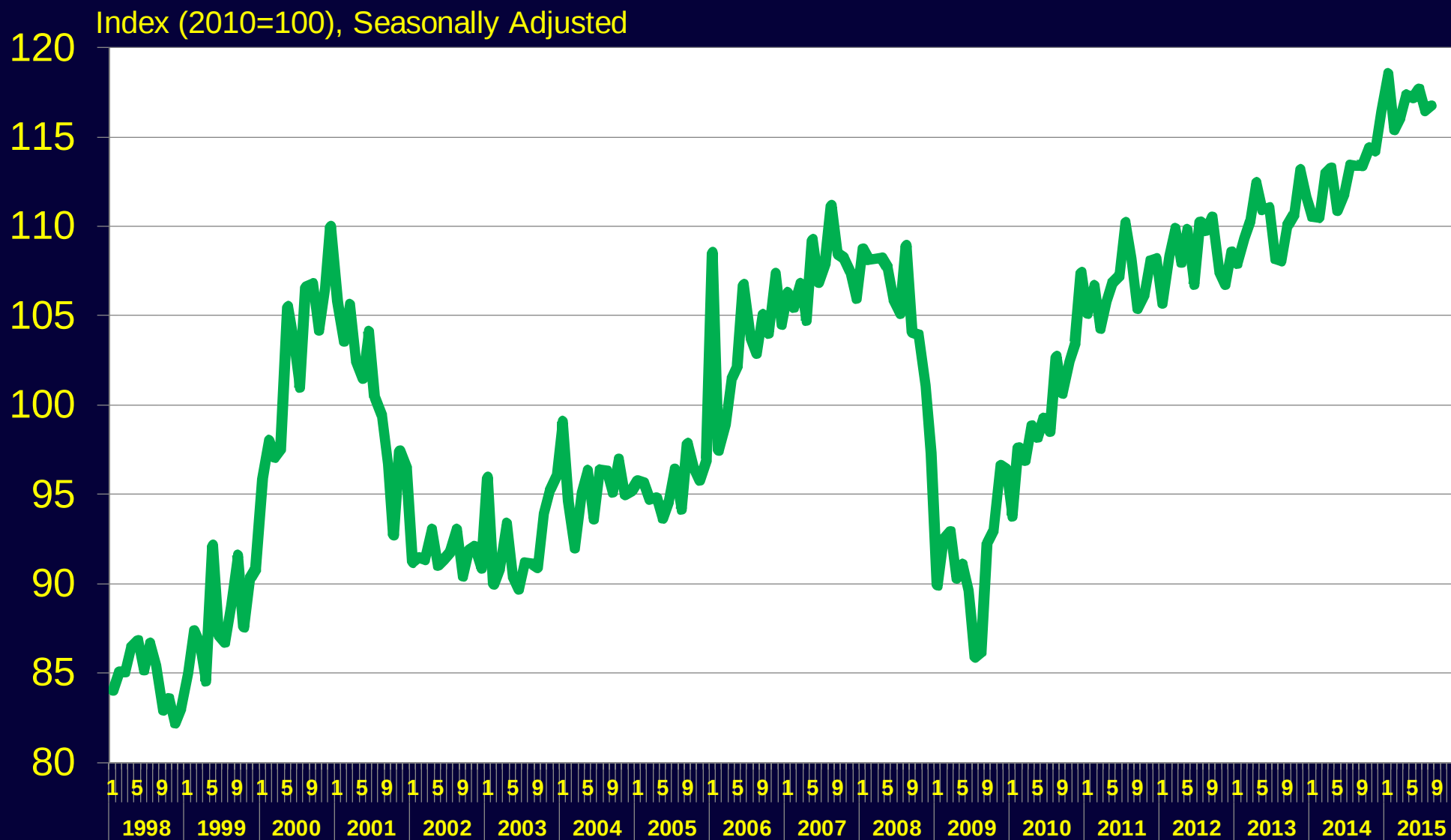


Chart 7

European Production - Irradiation, Electromedical & Electrotherapeutic Equipment

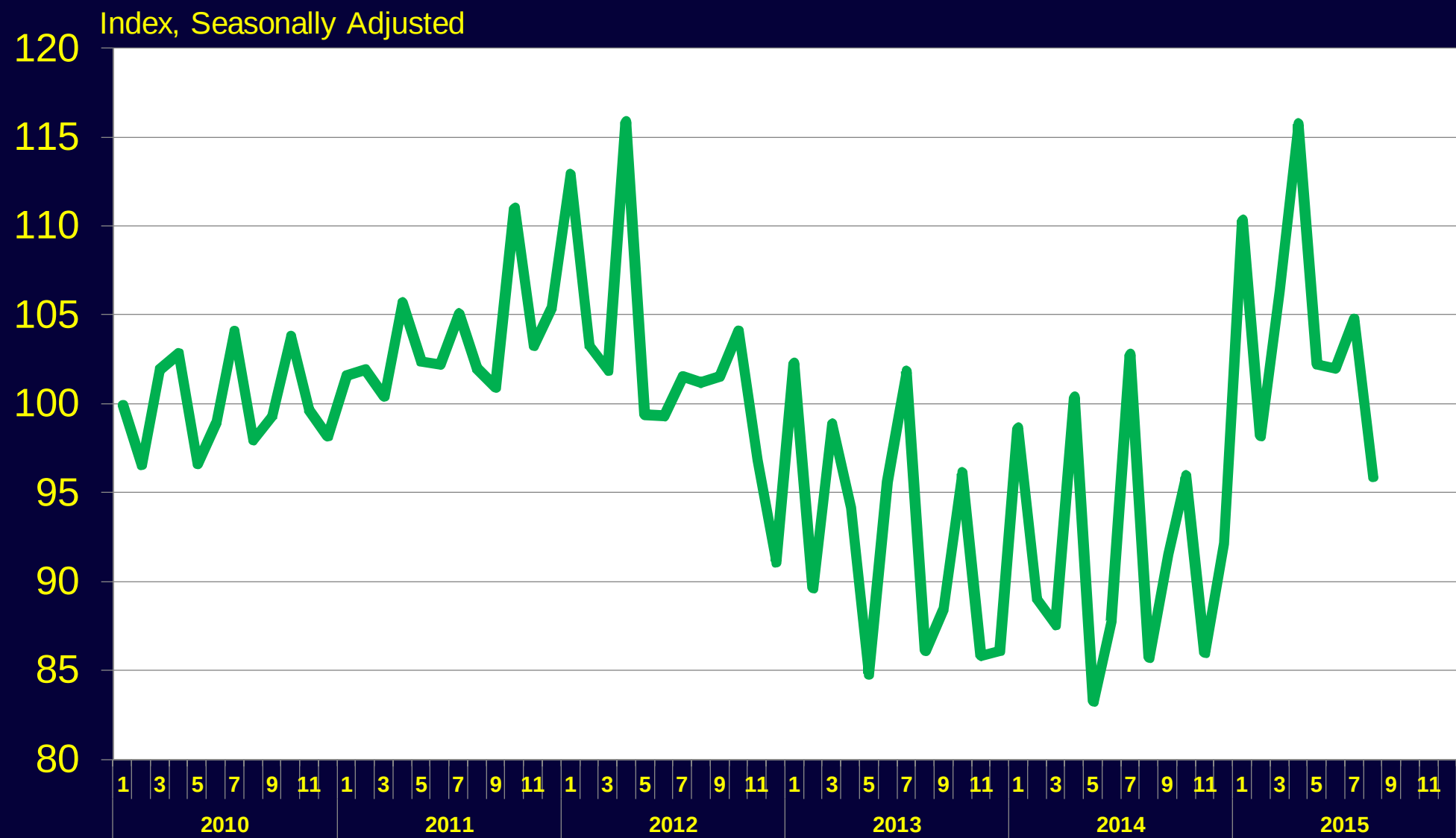
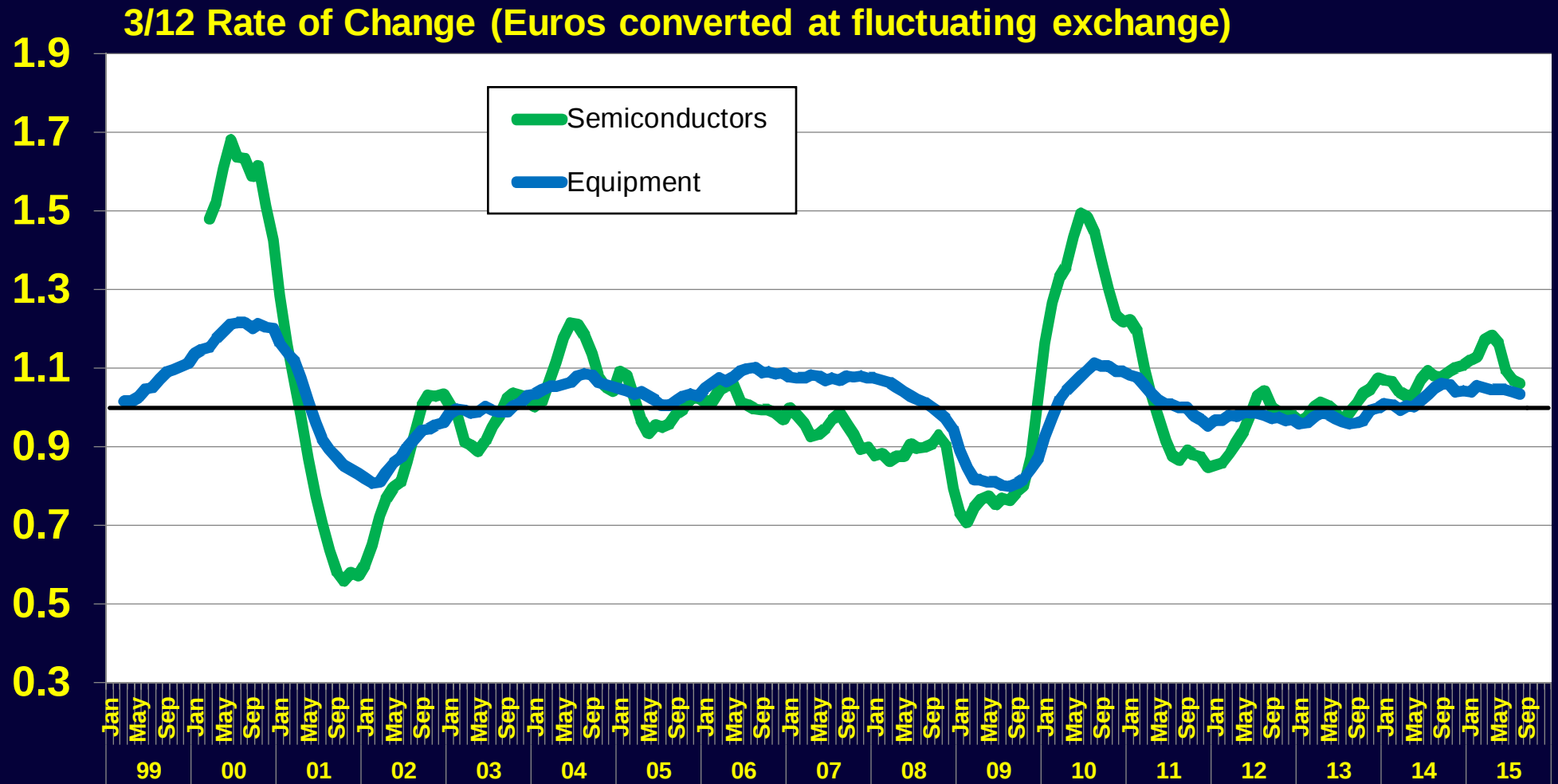


Chart 8

Semiconductor Shipments to Europe vs. European Electronic Equipment Production



Total \$ Semiconductor Shipments from All Countries to Europe www.sia-online.org/,
Eurostat class C26, EU27, European Computer, Electronic & Optical products Production

Chart 9

European Loaded Electronic Board Production



European Electronic Components & Board Production

Index (2010=100); Seasonally Adjusted



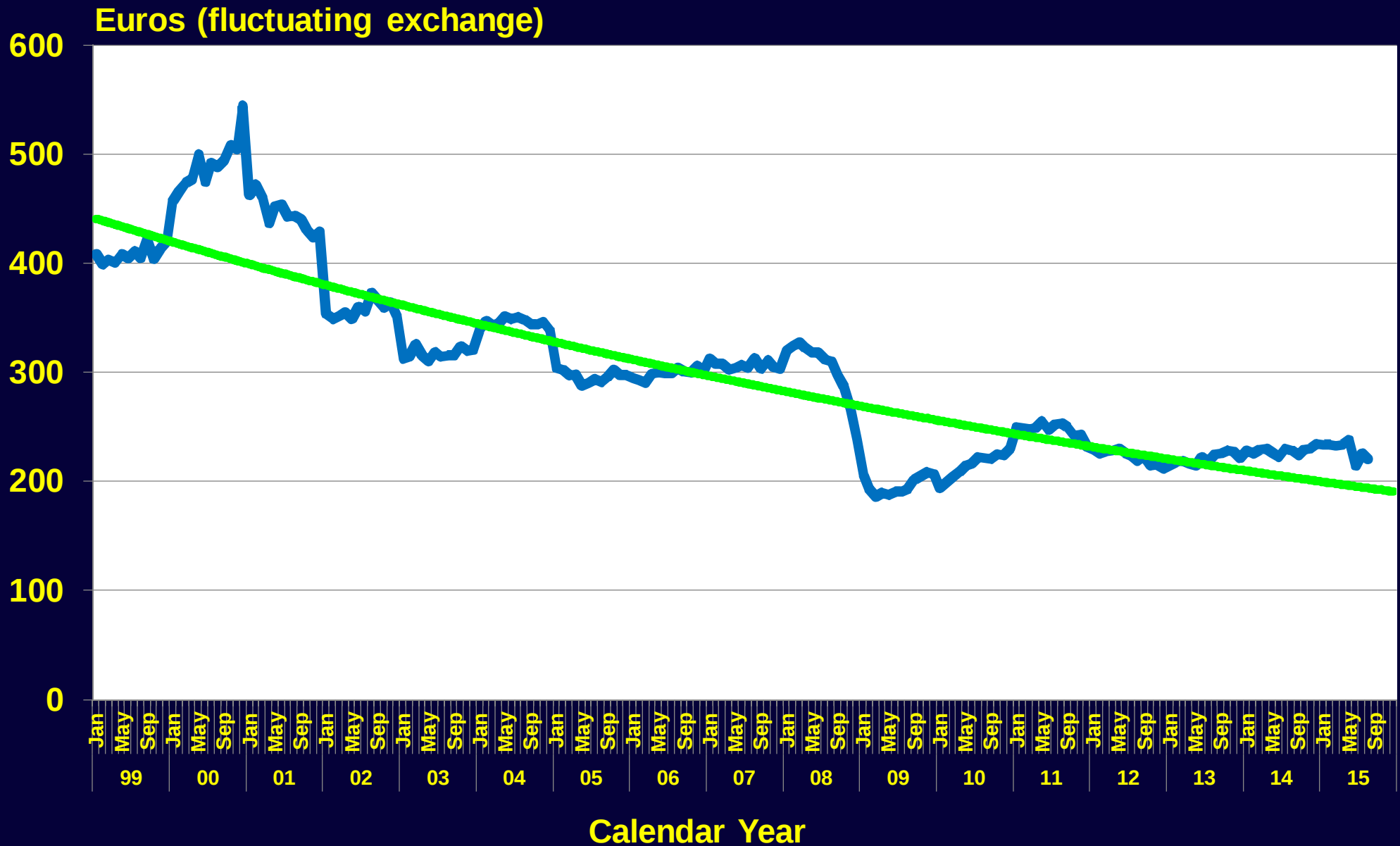
Chart 11

European Electronic Wiring Devices



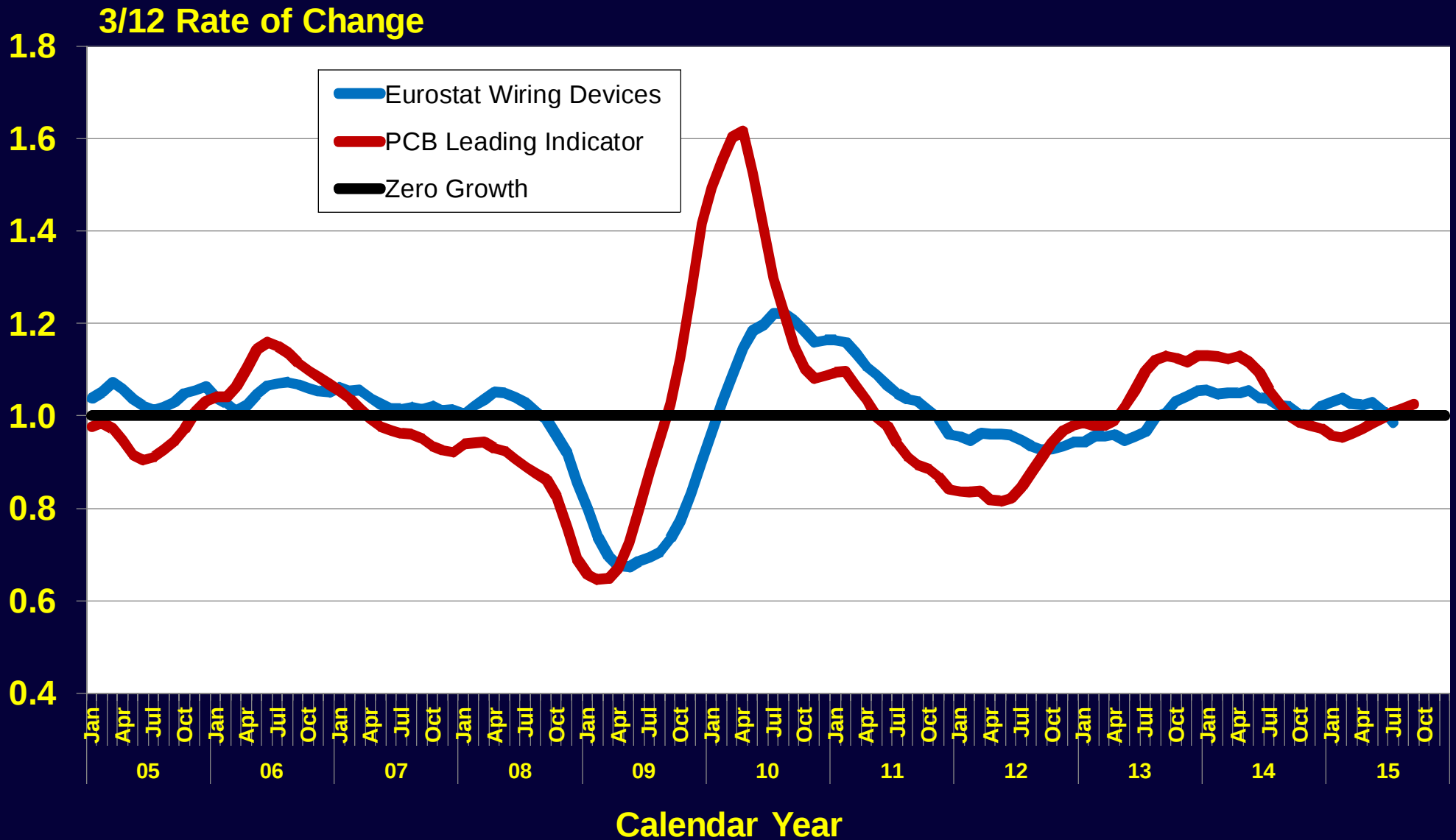
Chart 12

European PCB Monthly Shipments



Source: Custer Consulting Group estimate based upon industry data

Europe PMI Leading Indicator vs. Europe Wiring Devices



Present Growth Rates (%)

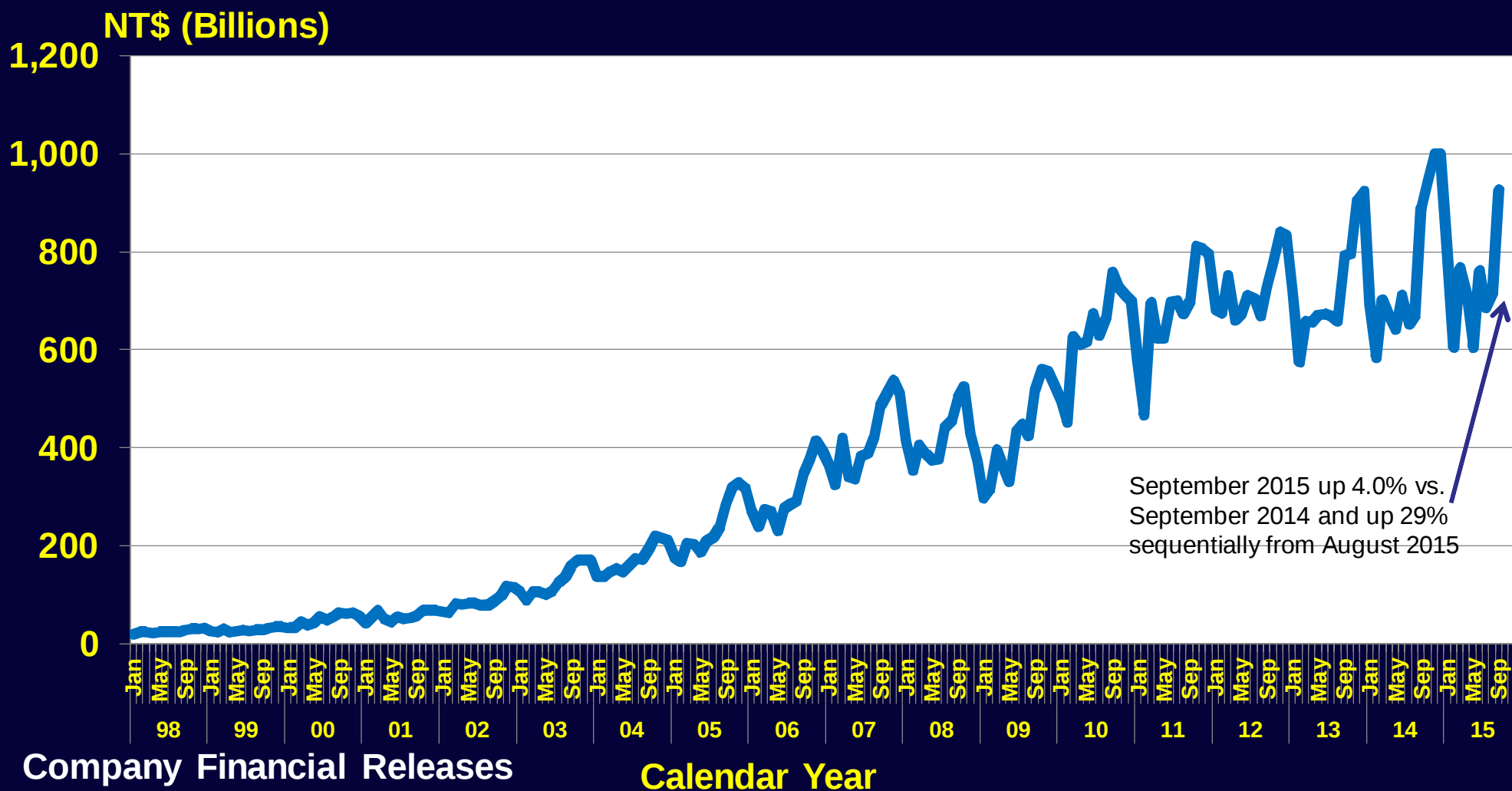
European Electronics Industry

	Latest Month	Annual Growth Rate	3-Month Growth Rate
ELECTRONIC EQUIPMENT SHIPMENTS (Index CY 2010 =100)			
Computer, Electronic & Optical Products	8/15	104.3	103.4
Components & Boards	8/15	103.6	98.3
Wiring Devices	8/15	101.0	97.1
Loaded Electronic Boards	8/15	102.3	101.0
Office Equipment	8/15	80.3	80.3
Consumer Electronics	8/15	90.3	87.3
Electric Domestic Appliances	8/15	98.7	102.3
Electronic Instruments	8/15	103.8	103.6
Medical Electronics	8/15	110.0	109.5
Motor Vehicles	8/15	104.5	107.6
Air & Space Aircraft	8/15	101.7	102.6
Semiconductor Shipments (Eur) to Europe	8/15	111.4	106.2
Industrial Production	8/15	104.3	103.4

Chart 15

Taiwan ODM Companies

Composite Sales of 11 Large Manufacturers



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

Foxconn Electronics (Hon Hai), Taiwan

Revenue, Net Income & Inventory

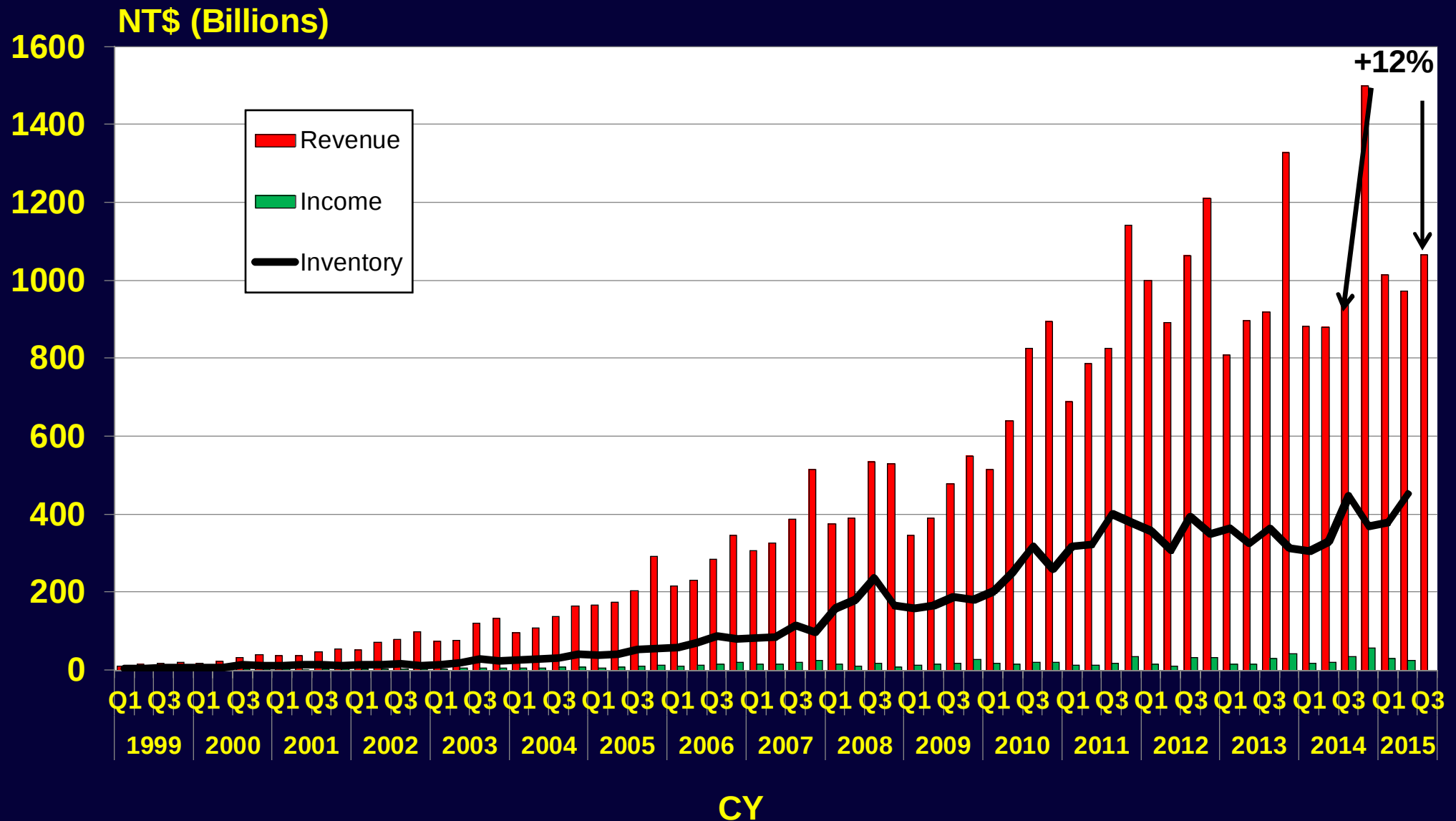


Chart 17

Pegatron, Taiwan

Revenue

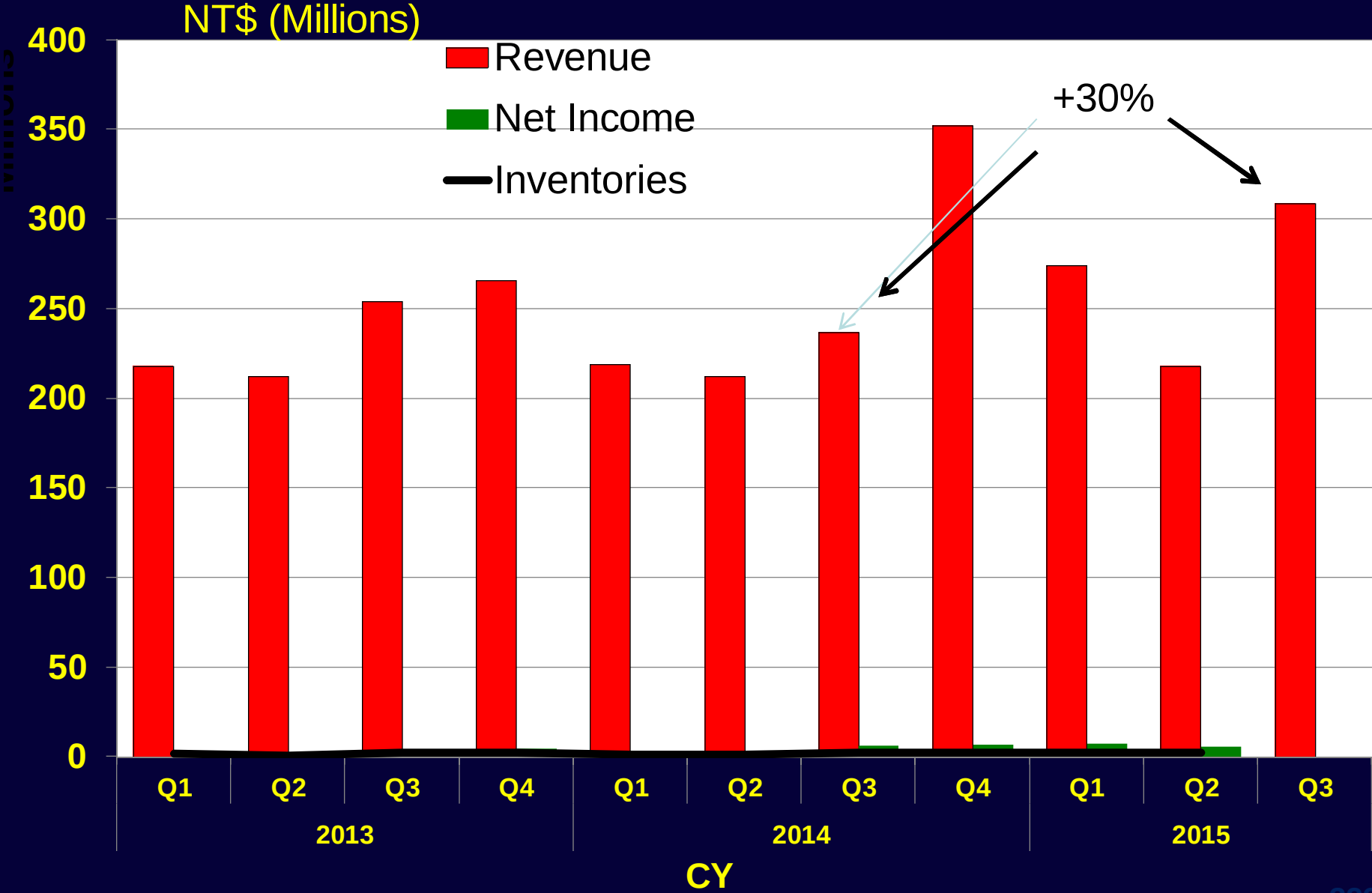
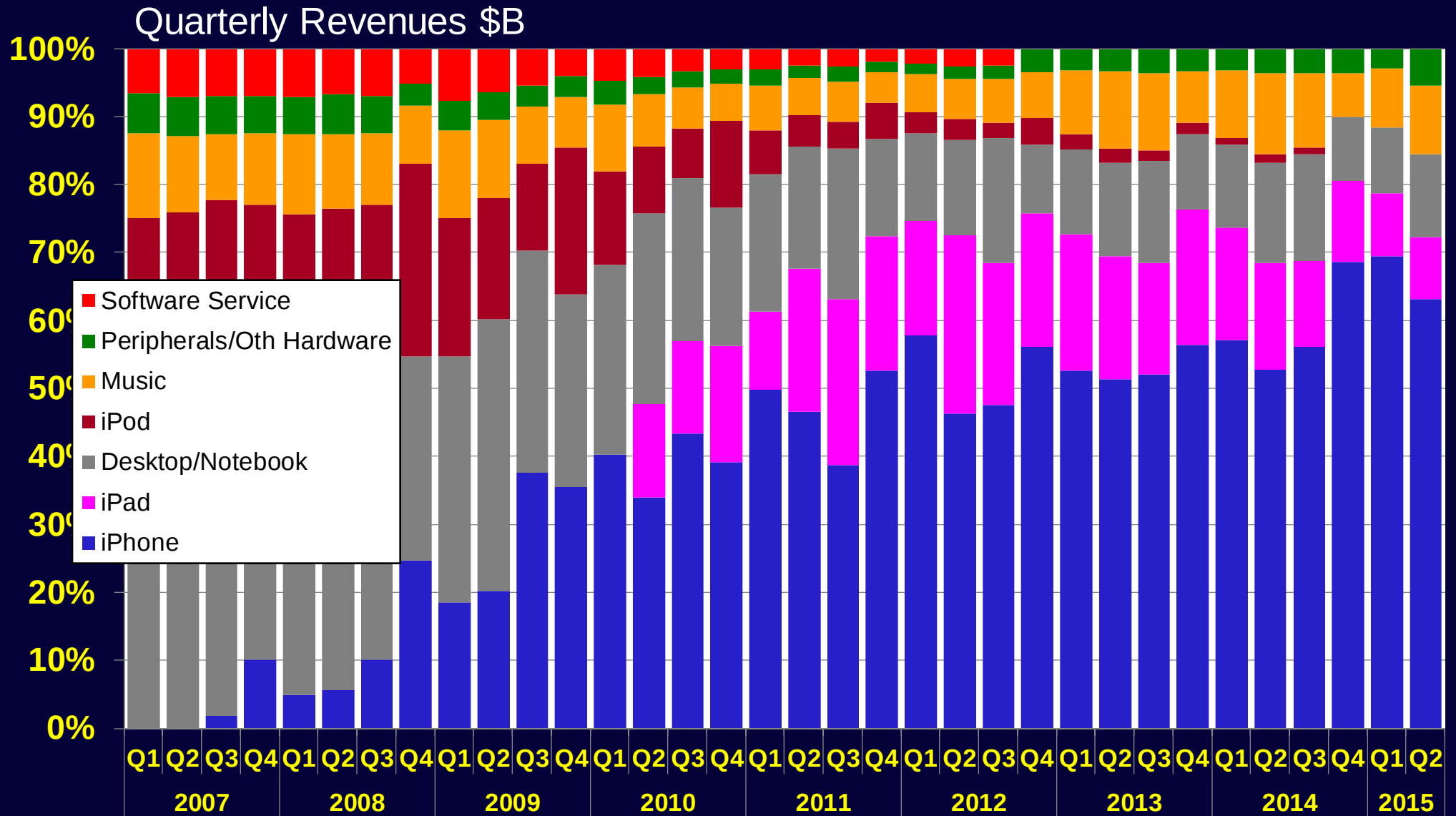


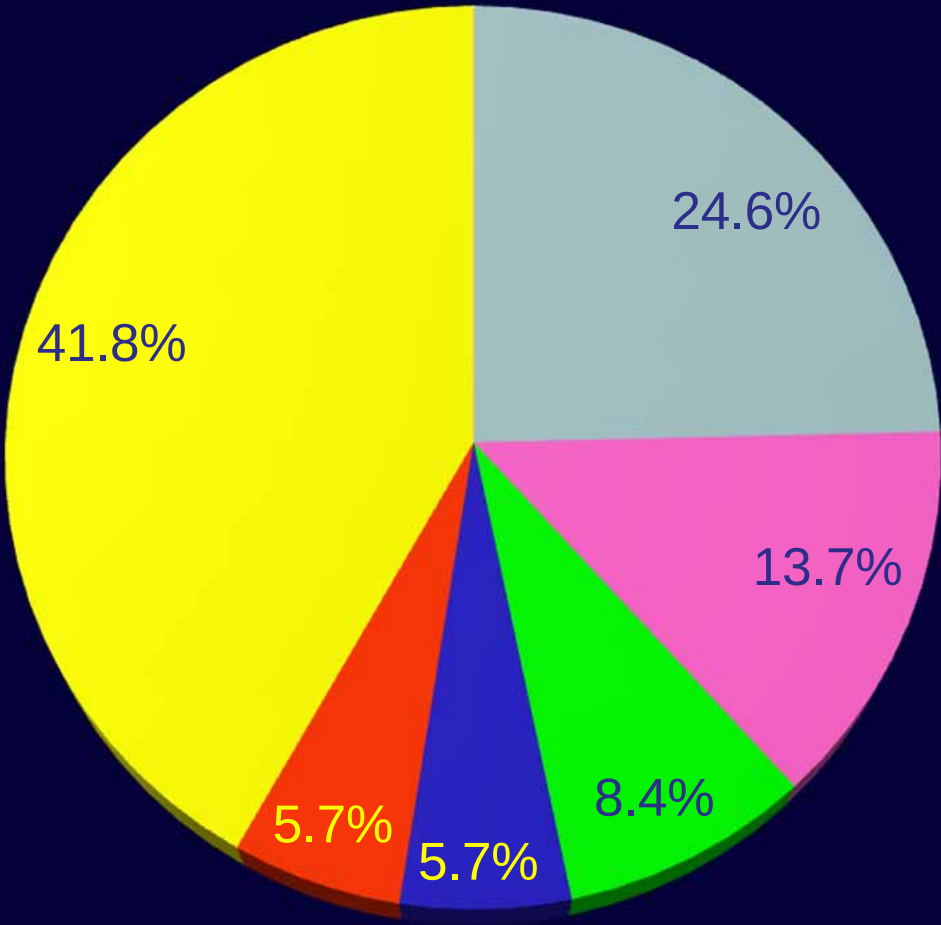
Chart 18

Apple Product Mix



World Smartphone Sales 3Q'15

Units

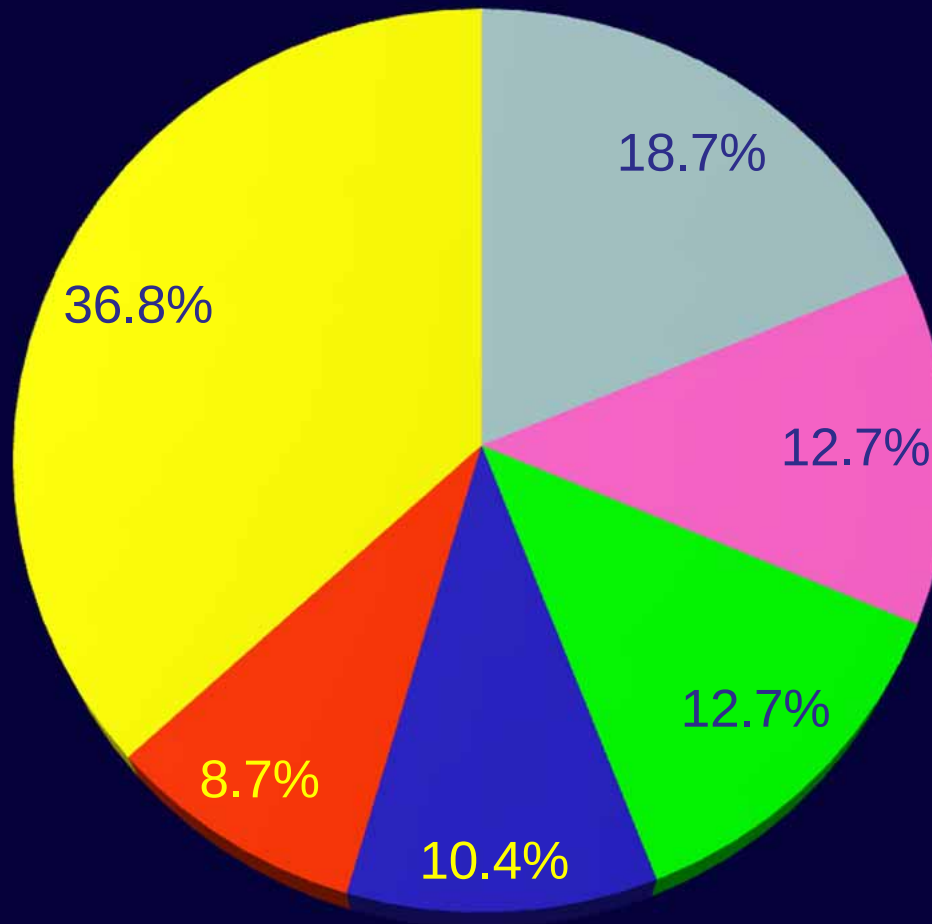


- Samsung
- Apple
- Huawei
- Xiaomi
- Lenovo
- Others

TOTAL: 332.7 Million Units

China Smartphone Sales 3Q'15

Units

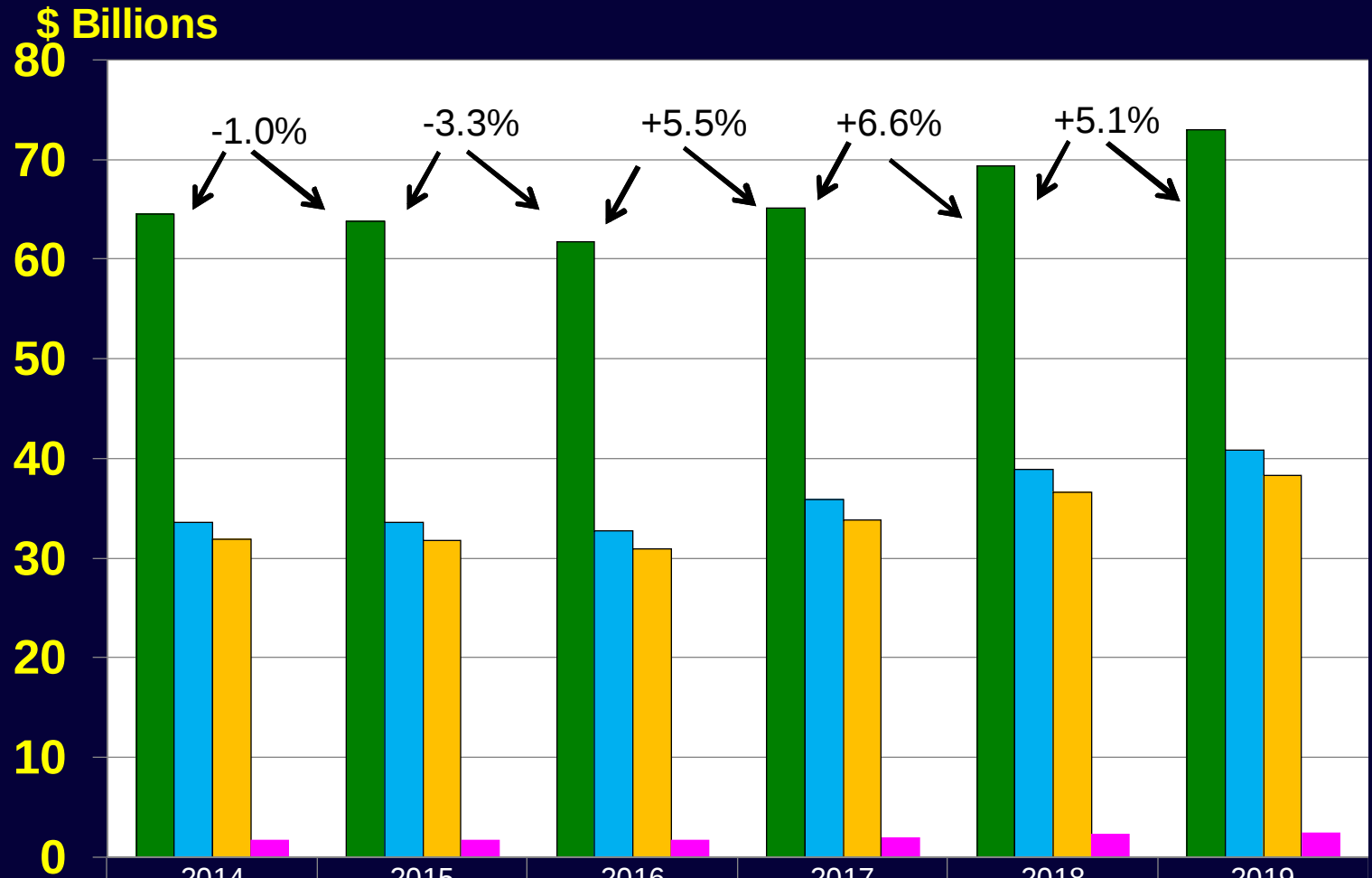


- Huawei
- Xiaomi
- Lenovo
- TCL
- OPPO
- Others

TOTAL: 149.5 Million Units

Chart 21

World Semiconductor Capital Spending & Equipment Spending Forecast 2014-2019



	2014	2015	2016	2017	2018	2019
■ Semiconductor Capital Spending	64,570	63,909	61,772	65,155	69,449	72,999
■ Wafer-Level Manufacturing Equipment	33,684	33,609	32,805	35,909	39,019	40,896
■ Wafer Fab Equipment	31,953	31,799	31,017	33,881	36,615	38,403
■ Wafer-Level Packaging & Assembly Equipment	1,731	1,810	1,788	2,028	2,403	2,493

Top Automotive Semiconductor Suppliers

US\$ (millions)

Chart 22

	2012	2013	2014	2015
Renesas	3355	3176	2902	2810
Infineon	2191	2310	2608	3130
STMicroelectronics	1890	2022	1806	1727
Freescale	1668	1835	2020	2180
NXP	1402	1576	1860	1980
TI	1318	1502	1696	1792
Bosch	1241	1415	1518	1620
Sensate	1020	1180	1390	1660
Denso	1182	1081	1190	1260
ON Semiconductor	752	758	980	1180
Rohm	701	682	871	906
Panasonic	650	690	760	900
Sanken	600	620	660	680
Analog Devices	290	320	360	420
Fuji Electric	330	390	360	390
Nvidia	60	100	180	290
Micronas	180	190	185	160
Melexis	280	303	365	453
Vishay	260	280	310	280
Toshiba	360	330	310	320
Toyota	190	140	170	150

U.S. Industrial Production

Index (2012=100)

IP

