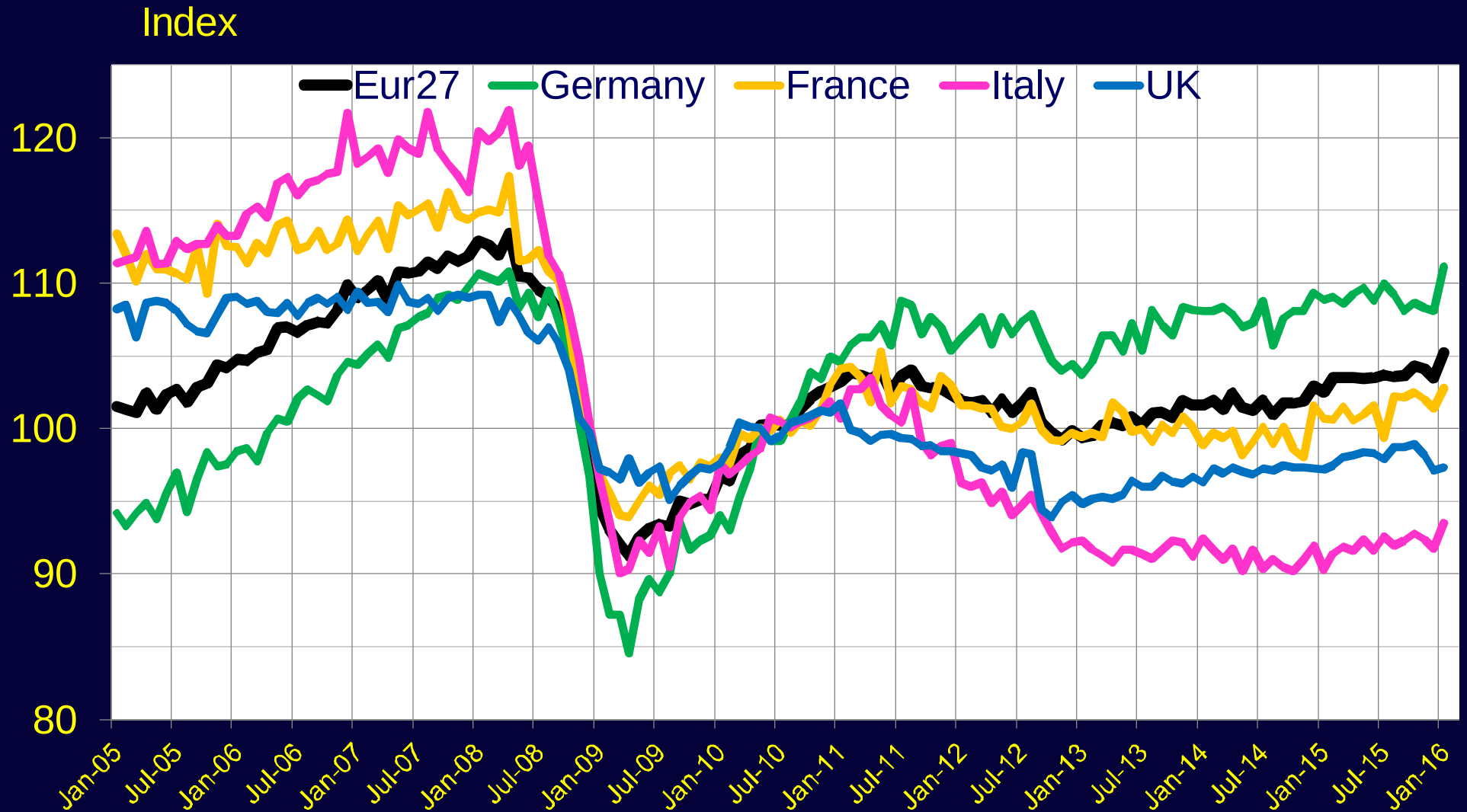


Industrial Production - Europe

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



European Computer, Electronic & Optical Products Production

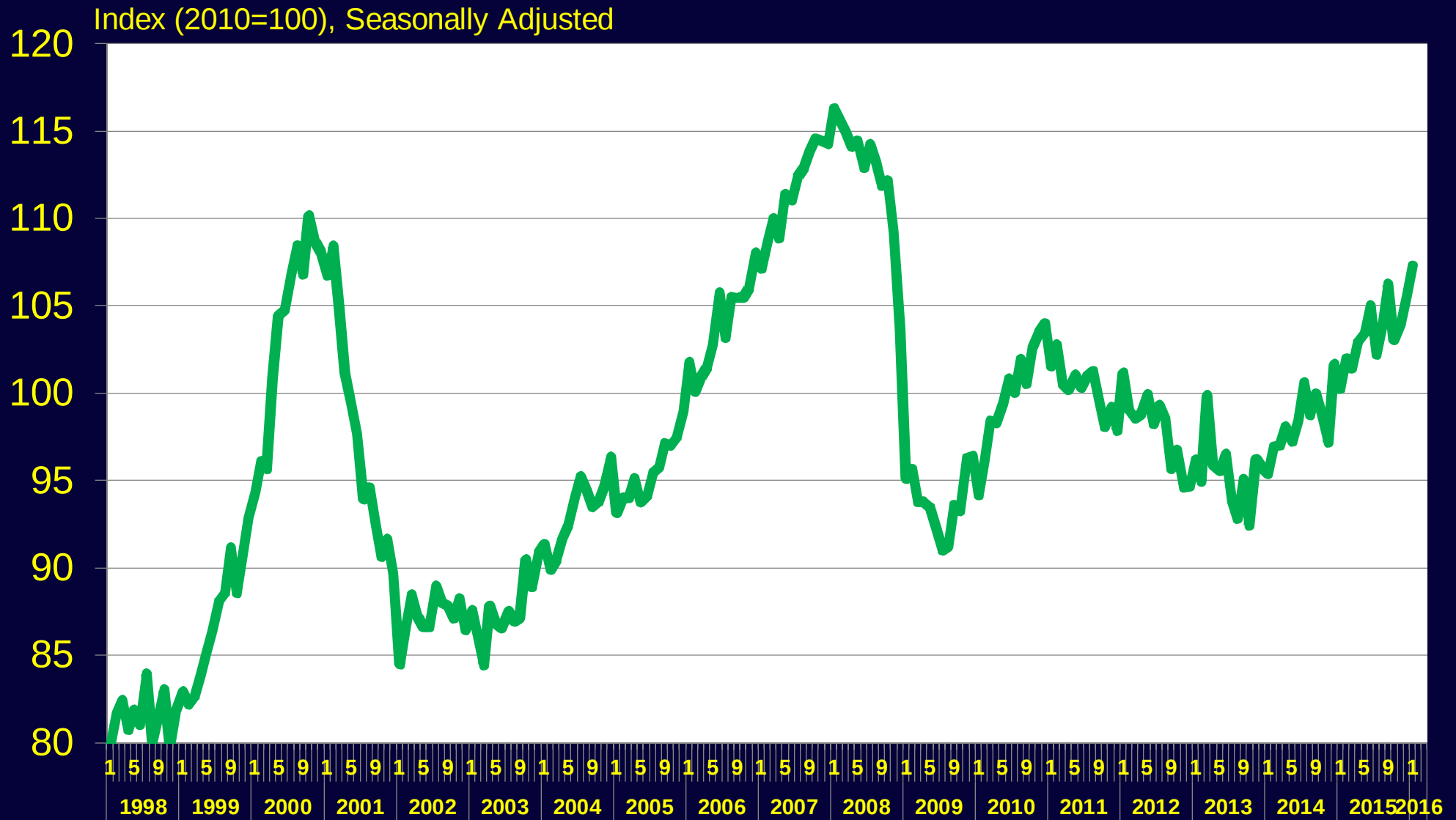


Chart 3

European Motor Vehicle Production

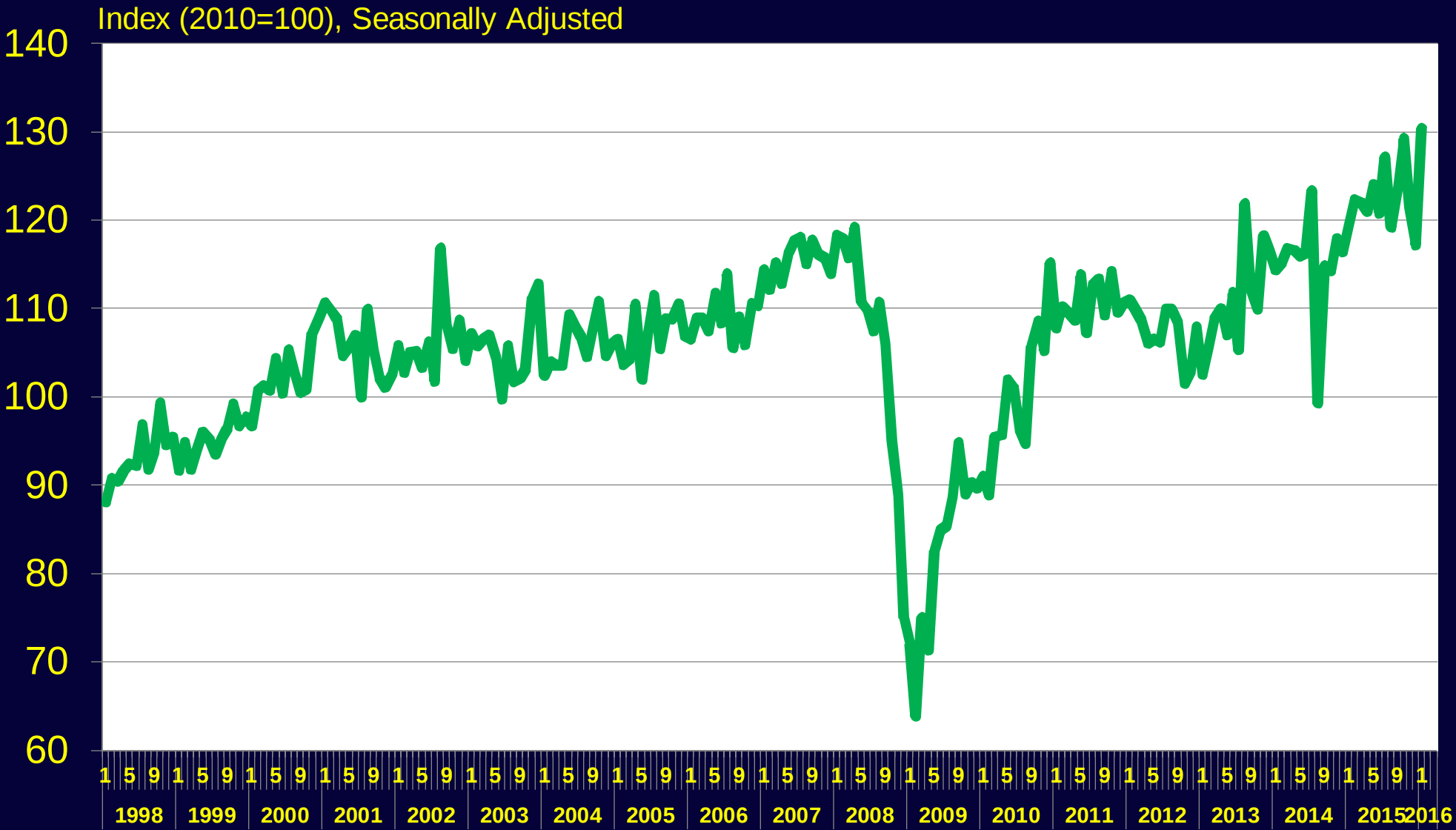


Chart 4 **European Production - Aircraft, Spacecraft & Related Equipment**

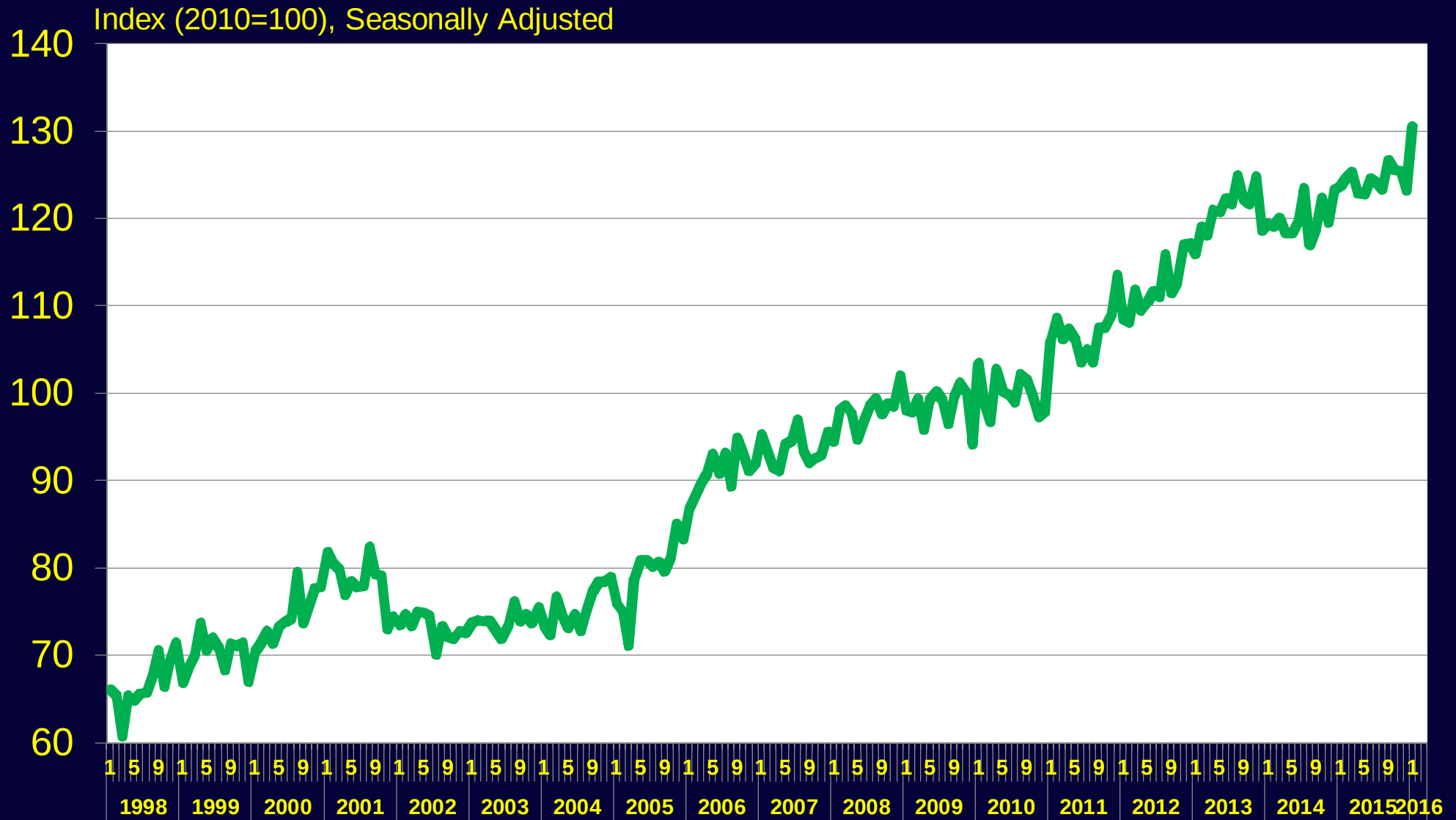


Chart 5

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

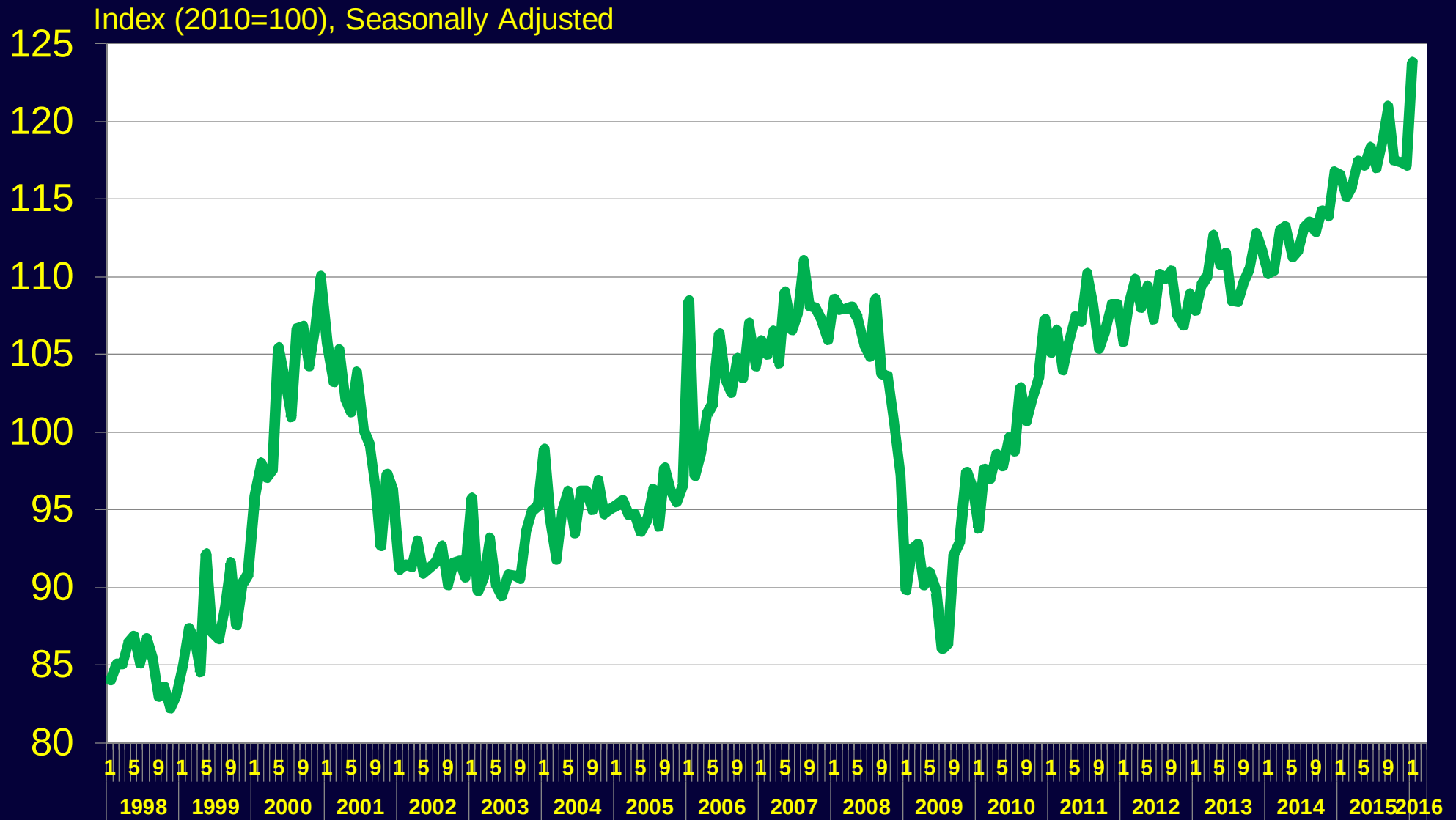


Chart 6 **European Production - Irradiation, Electromedical & Electrotherapeutic Equipment**

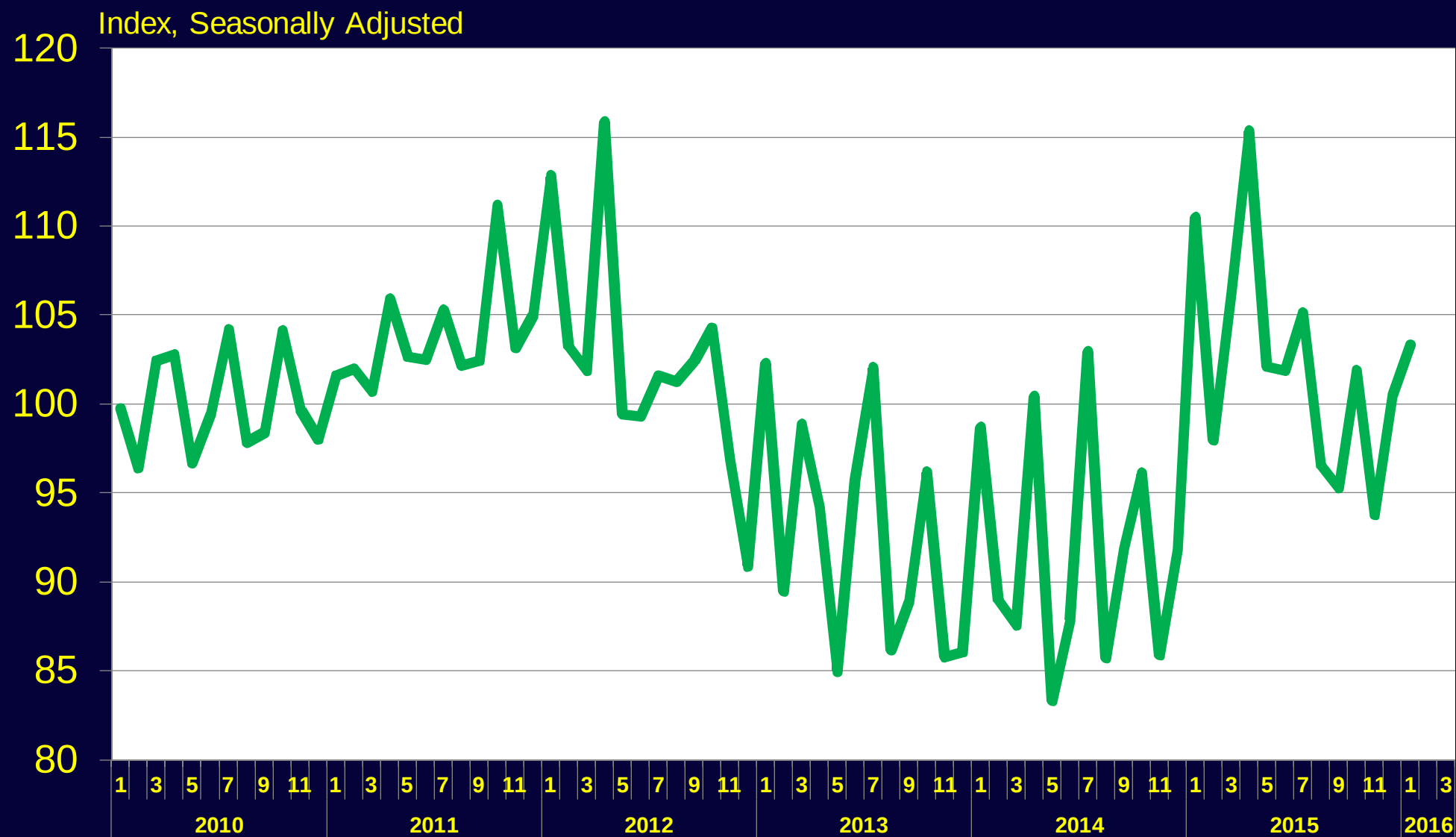


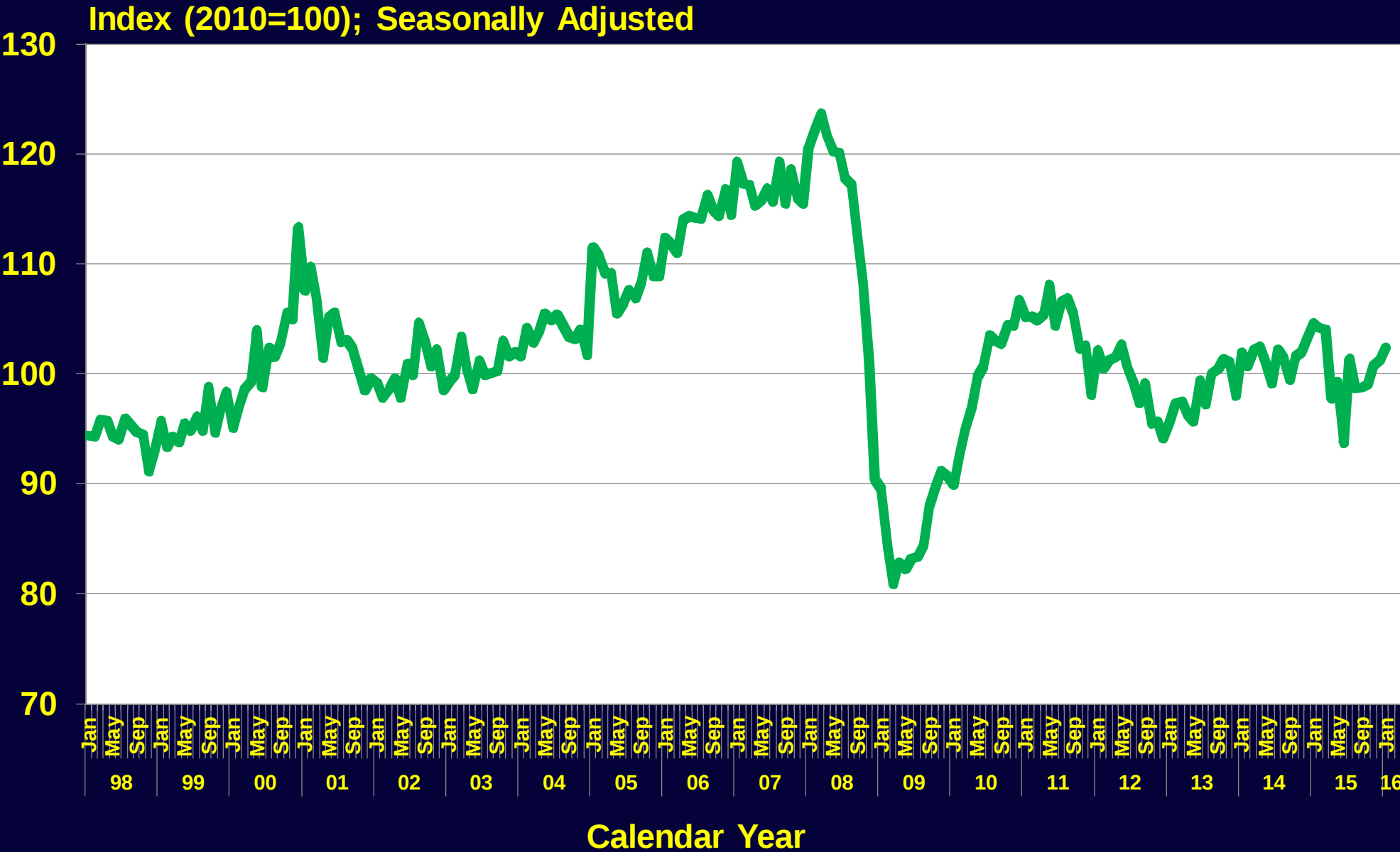
Chart 7

European Loaded Electronic Board Production



Chart 8

European Electronic Wiring Devices

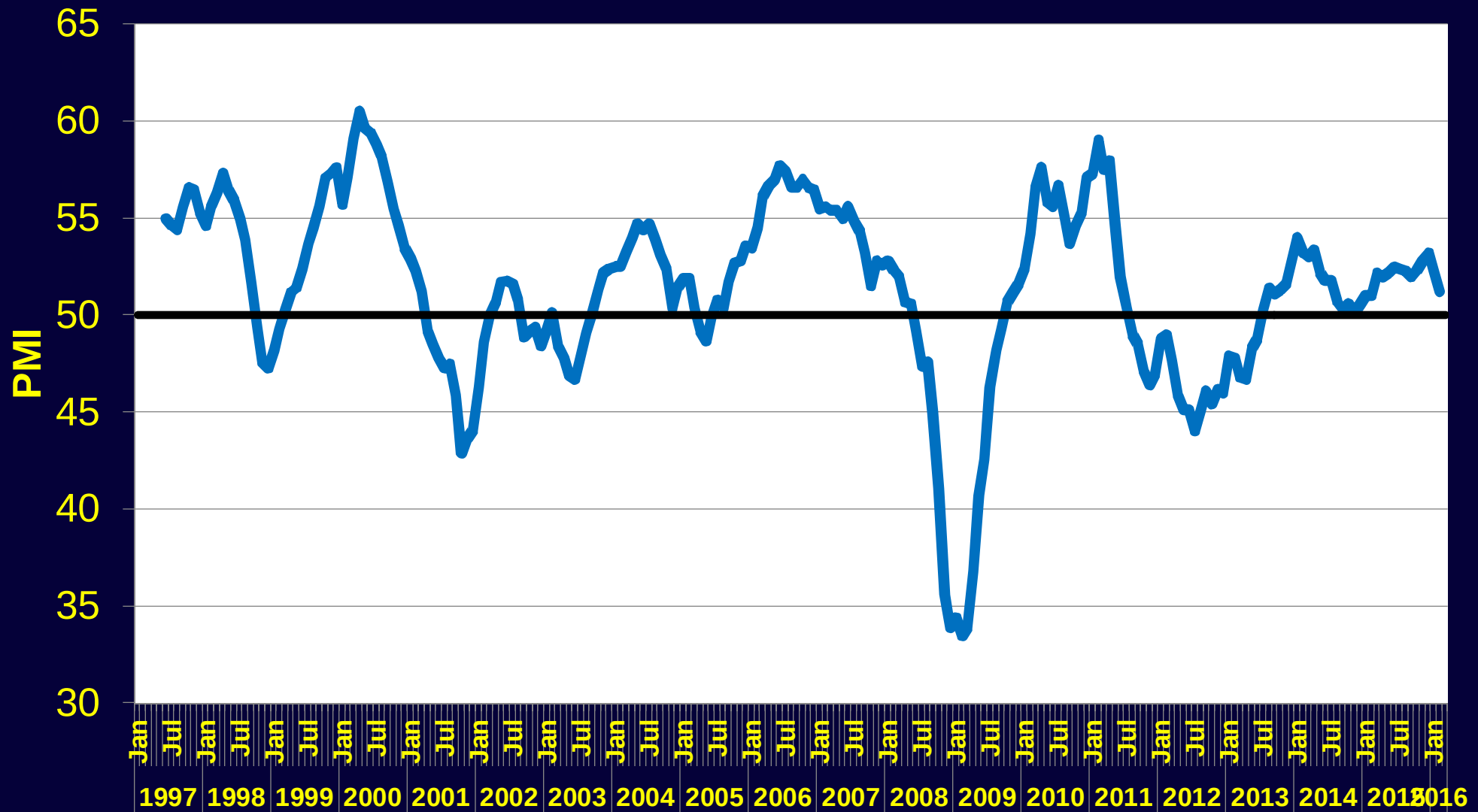


Present Growth Rates (%)

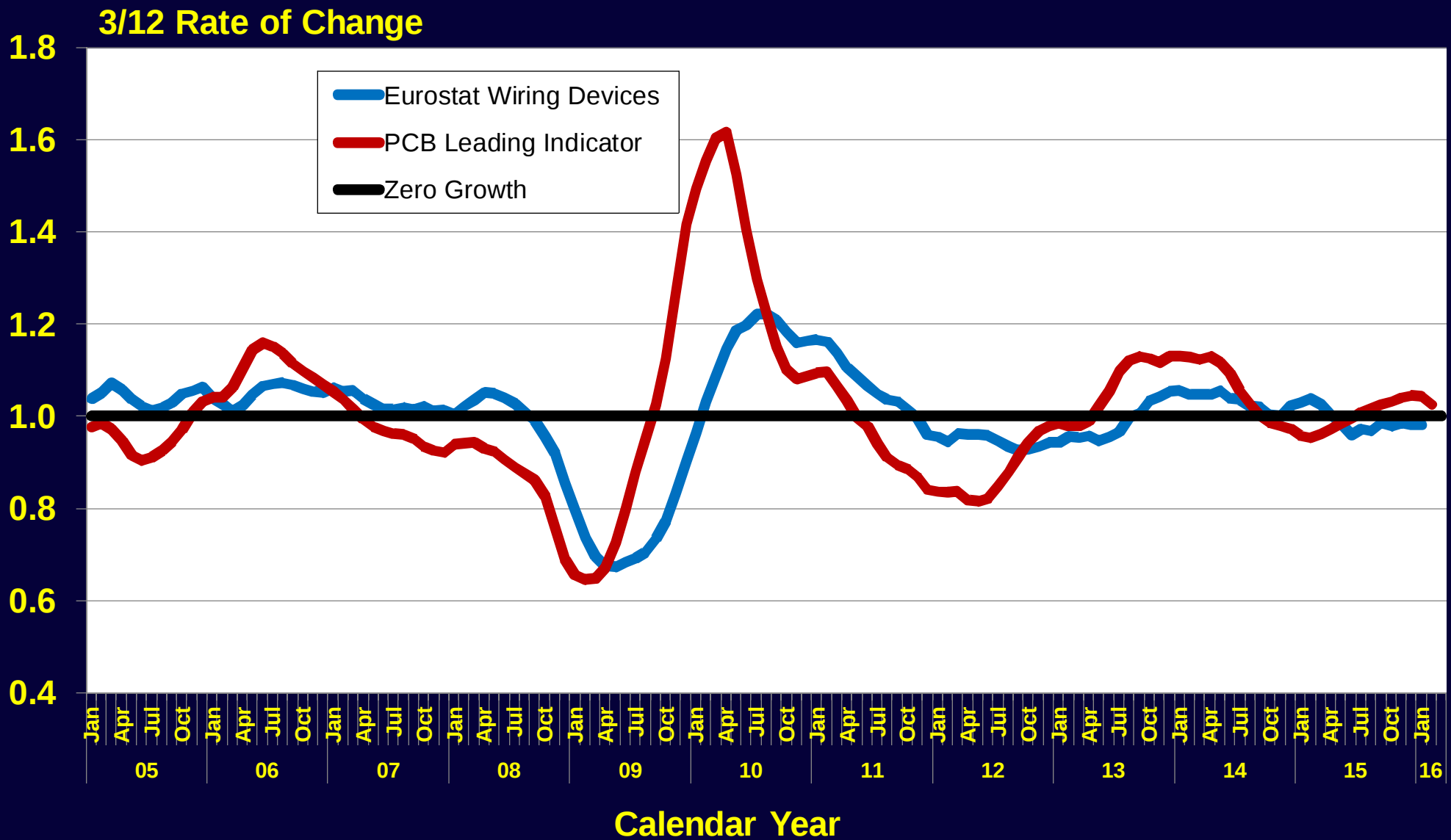
European Electronics Industry

	Latest Month	Annual Growth Rate	3-Month Growth Rate
ELECTRONIC EQUIPMENT SHIPMENTS (Index CY 2010 =100)			
Computer, Electronic & Optical Products	1/16	105.2	105.9
Components & Boards	1/16	102.8	108.0
Components	1/16	104.0	112.4
Wiring Devices	1/16	98.4	98.2
Loaded Electronic Boards	1/16	99.6	97.9
Office Equipment	1/16	83.9	95.7
Consumer Electronics	1/16	94.3	92.1
Electric Domestic Appliances	1/16	101.4	102.3
Electronic Instruments	1/16	104.1	103.2
Medical Electronics	1/16	109.6	103.3
Motor Vehicles	1/16	106.6	104.3
Air & Space Aircraft	1/16	103.9	103.4
Semiconductor Shipments (Eur) to Europe	1/16	108.2	103.5
Industrial Production	1/16	101.9	101.8

Diffusion Index, >50 = Growth



Europe PMI Leading Indicator vs. Europe Wiring Devices

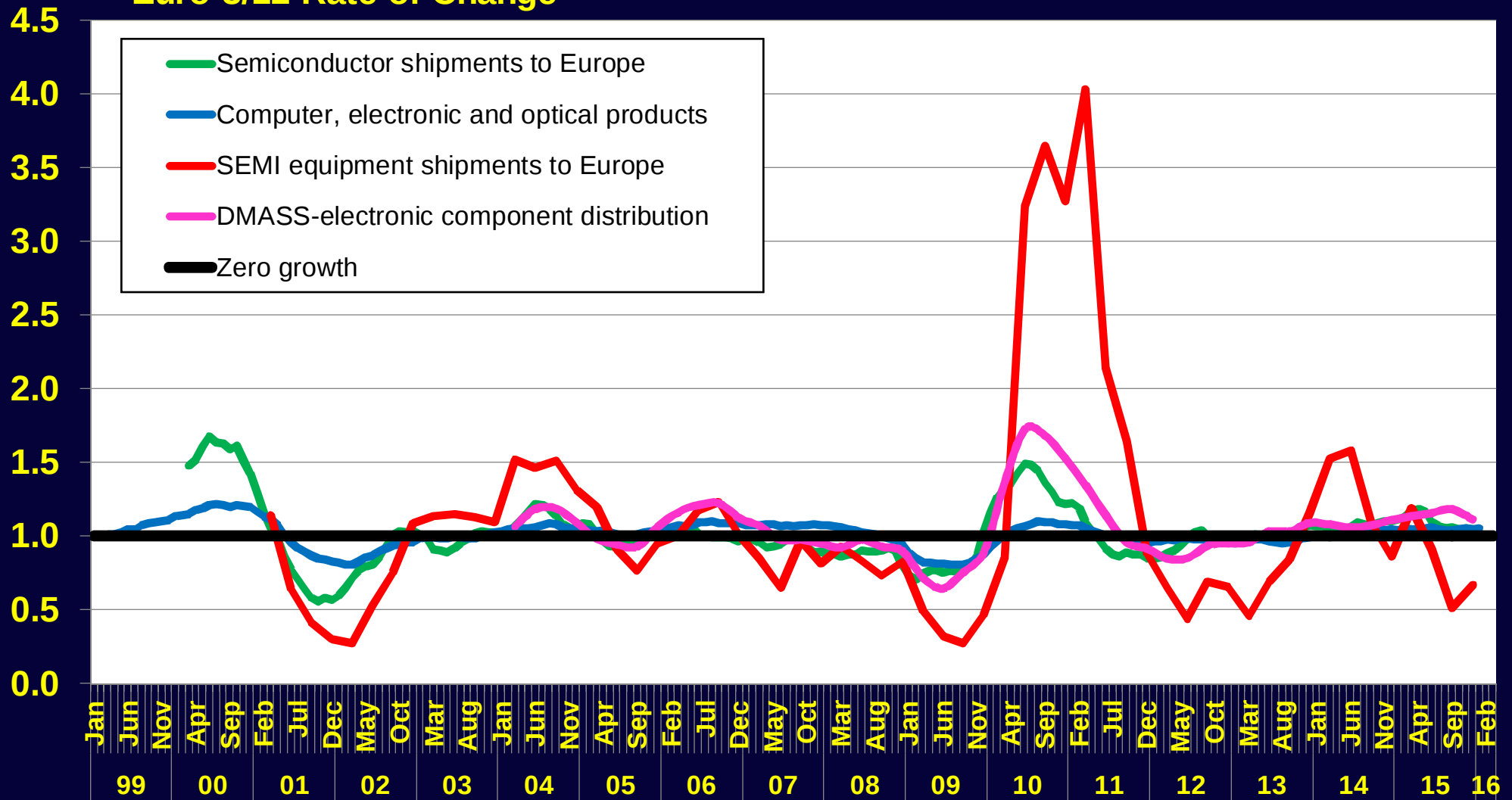


Source: Custer Consulting Group

Chart 12

European Computer, Electronic and Optical Products, Semiconductors, & SEMI Equipment Shipments

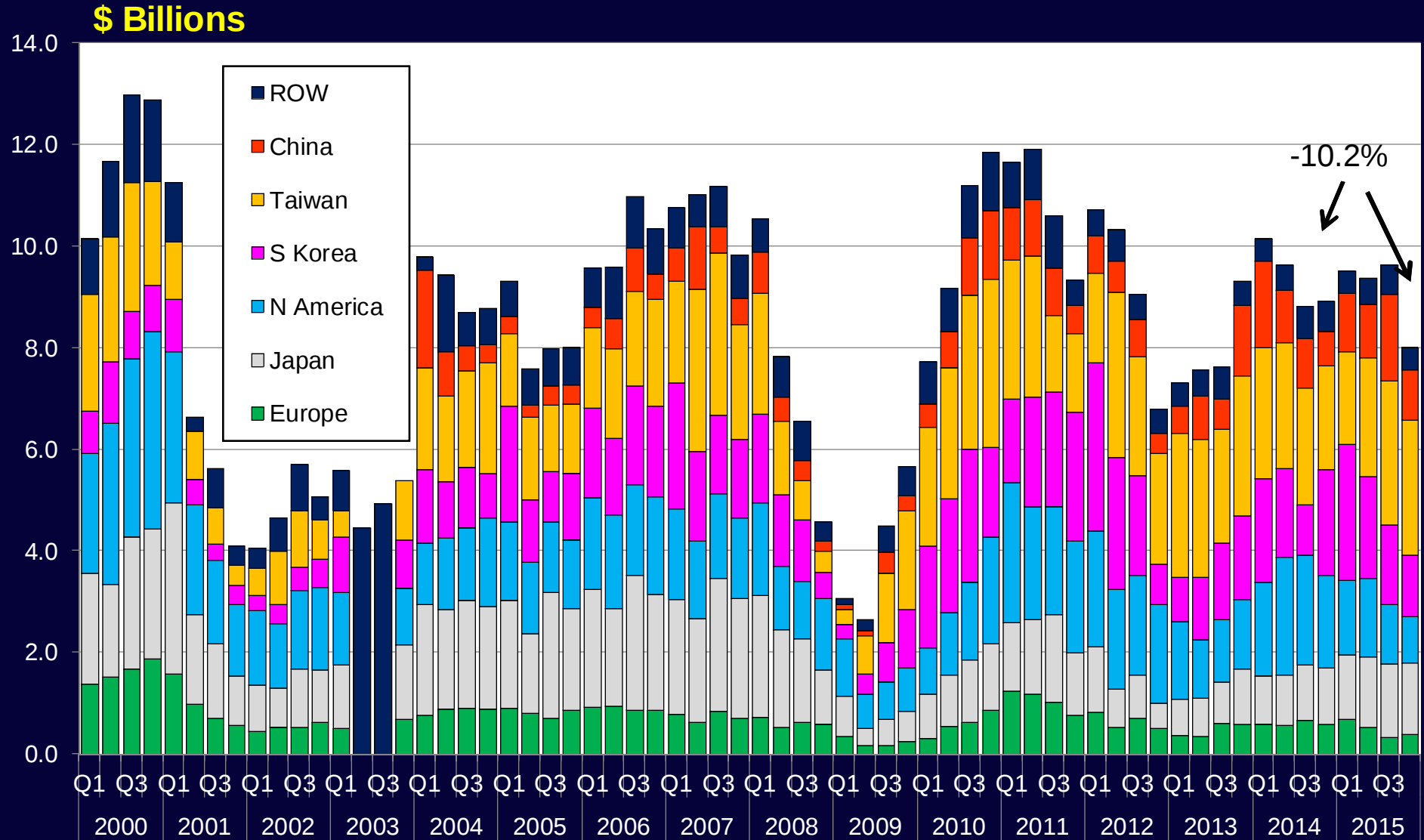
Euro 3/12 Rate of Change



Total \$ Semiconductor Shipments from All Countries to Europe www.sia-online.org/,
Eurostat class C26 & SEMI, CCG Extrapolation of SEMI growth

Chart 13

Semiconductor Capital Equipment Shipments by Area



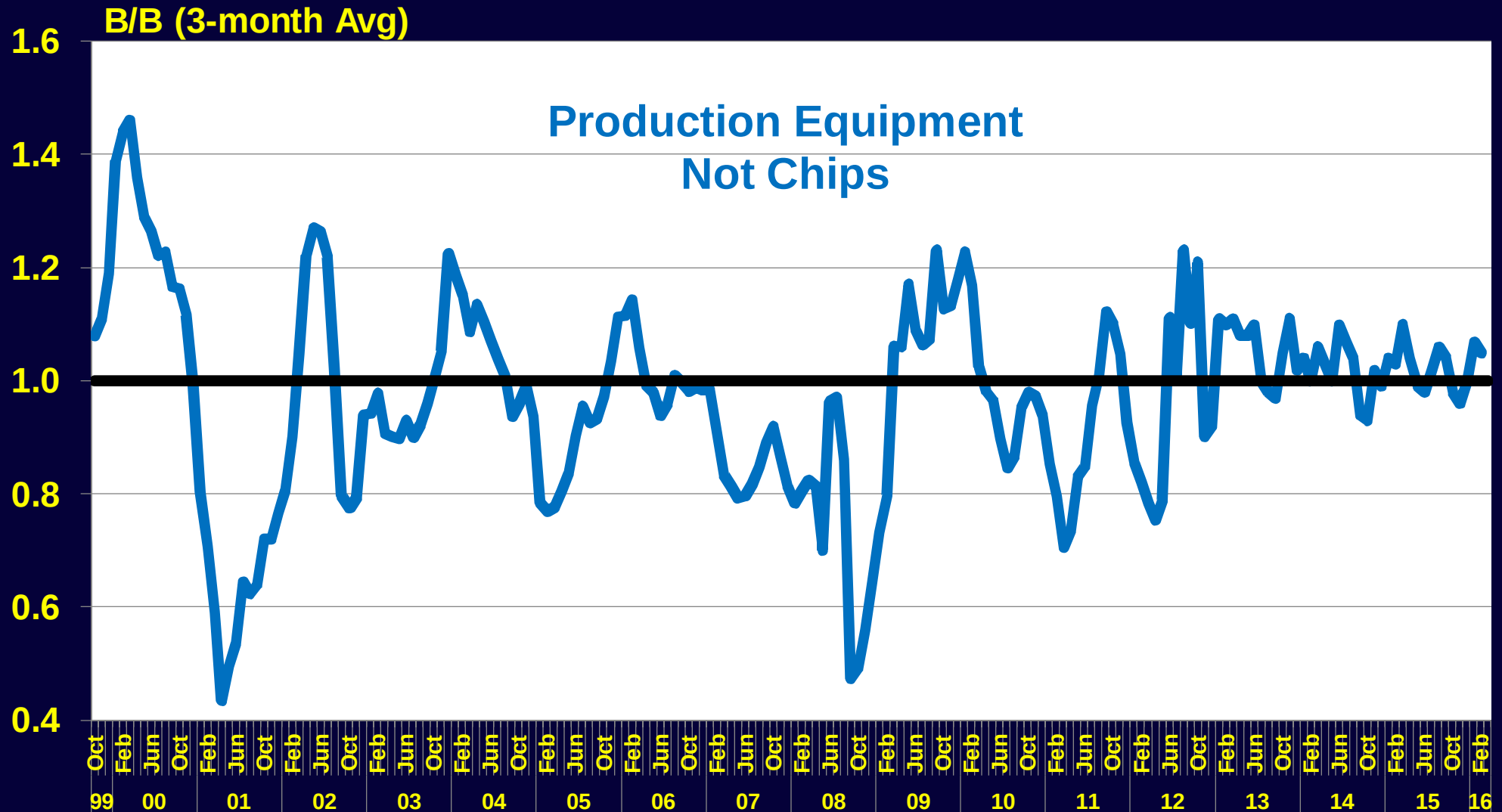
Global Semiconductor & Semiconductor Capital Equipment 3-Month Shipment Growth Rates on \$ Basis



Sources: SIA; Semiconductor Equipment Association of Japan, www.semi.org, Custer Consulting Group SEMI equipment sector composite growth

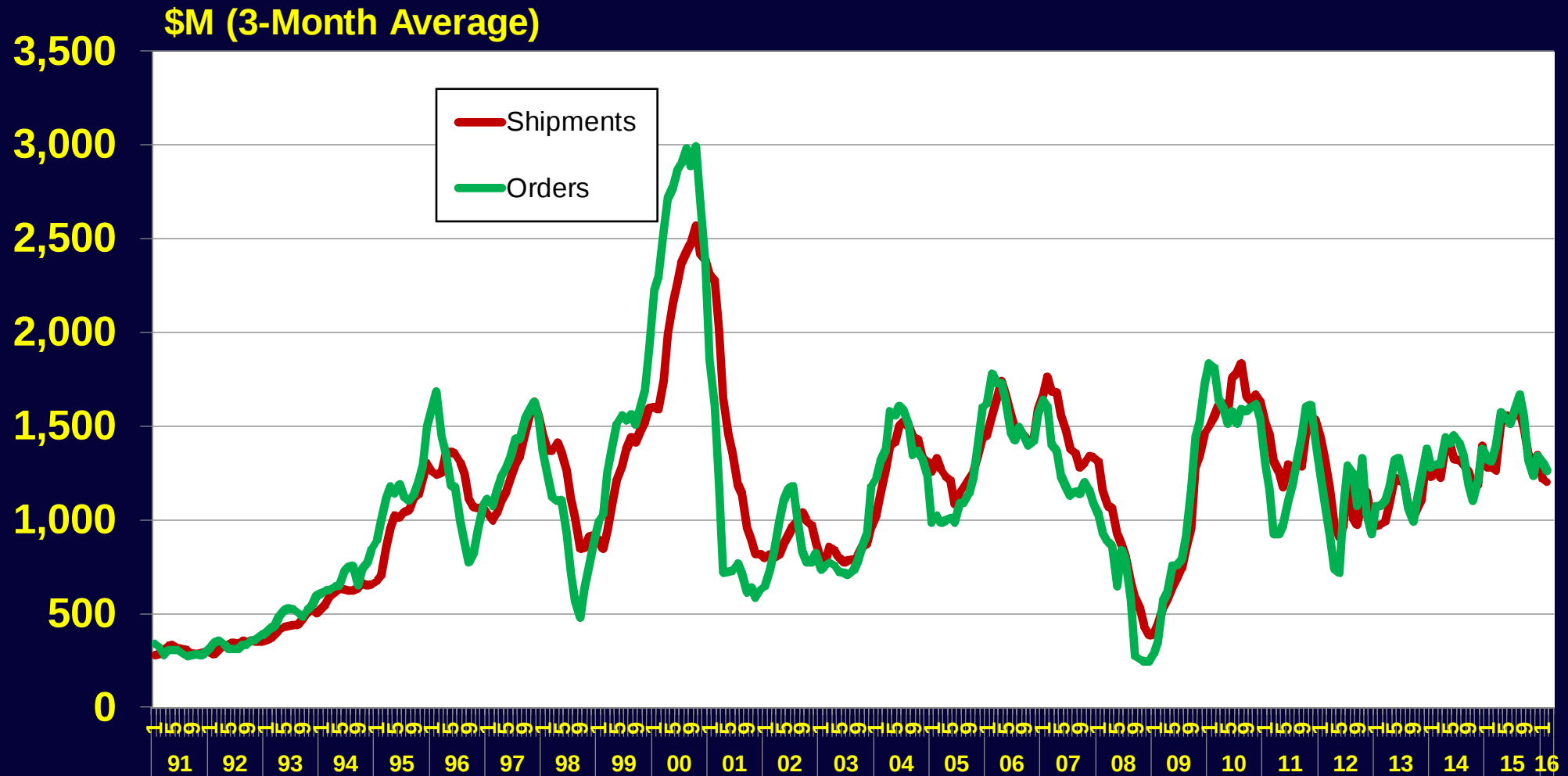
Chart 15

N American Semiconductor Equipment Industry Book/Bill Ratio



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

N American Semiconductor Equipment Industry Shipments & Orders



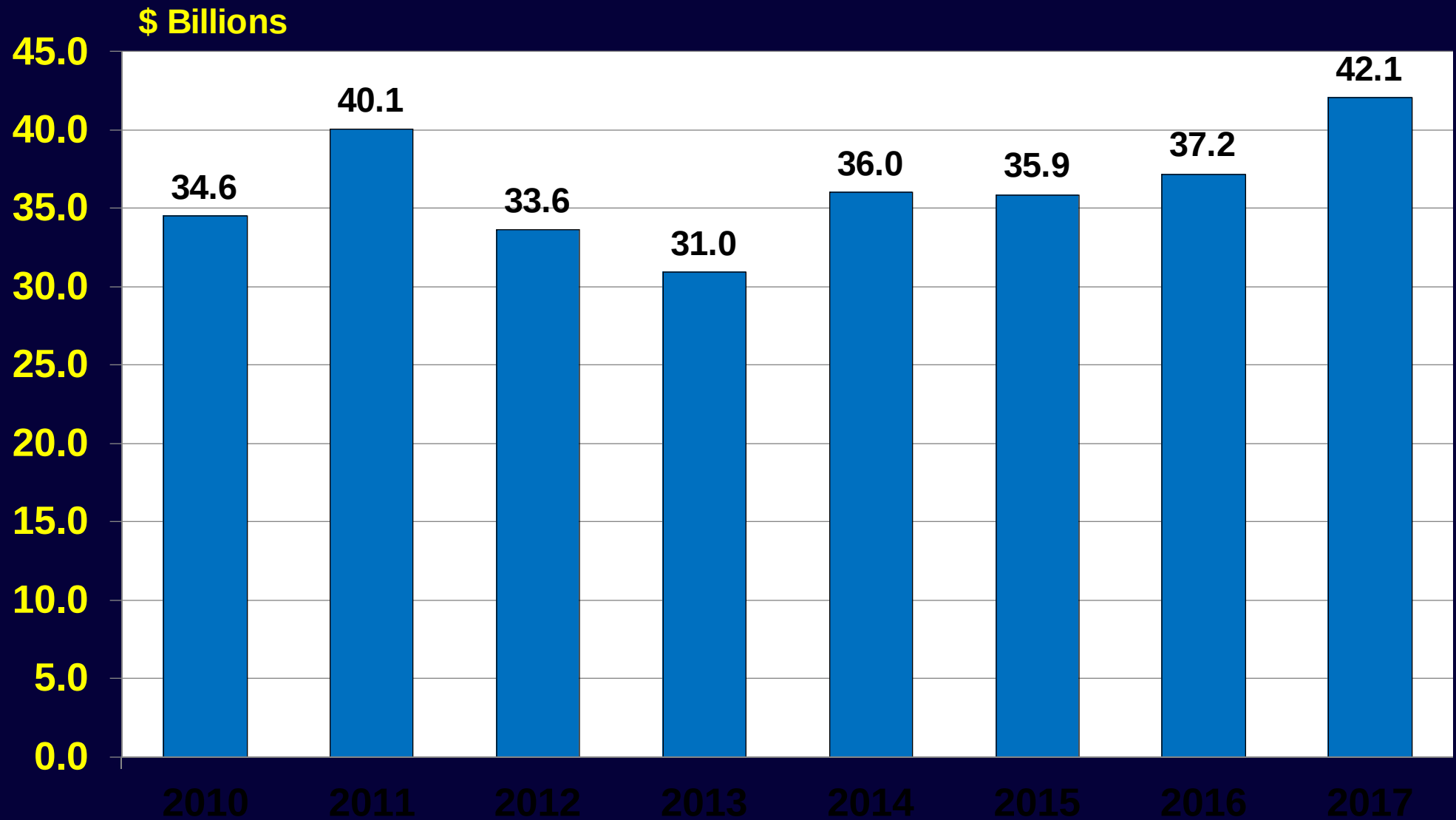
SOURCE Semiconductor Equipment and Materials International
<http://www.semi.org>

Wearable Devices by Operating System

Operating System	2016 Unit Shipments	2016 Market Share	2020 Unit Shipments	2020 Market Share	2016-2020 CAGR
watchOS	14.0	49.4%	31.0	37.6%	22%
Android Wear	6.1	21.4%	28.8	35.0%	48%
RTOS	1.4	5.0%	8.3	10.1%	56%
Tizen	3.2	11.3%	5.4	6.6%	14%
Android	1.0	3.6%	4.3	5.2%	44%
Linux	0.6	2.3%	2.3	2.8%	37%
Pebble	2.0	7.0%	2.2	2.7%	3%
Total	28.3	100.0%	82.3	100.0%	31%

Chart 18

World Fab Front End Equipment Capital Spending (including Discretes & LED)



SEMI 3/16 & prior reports (approximate values taken from SEMI graph)