Chart Collection for Morning Briefing

Yardeni Research, Inc.

May 9, 2019

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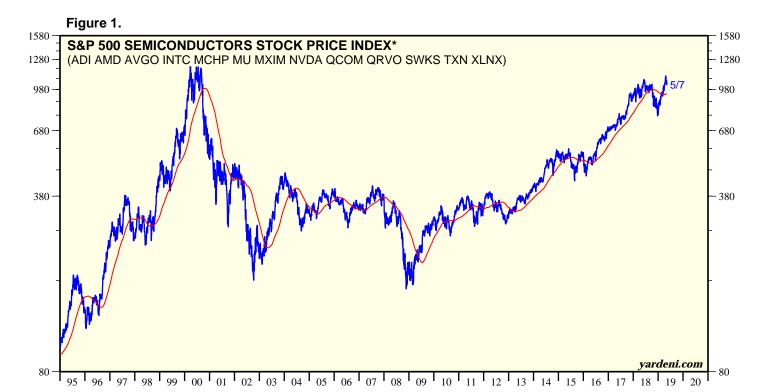
Mali Quintana

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Please visit our sites at www.yardeni.com blog.yardeni.com

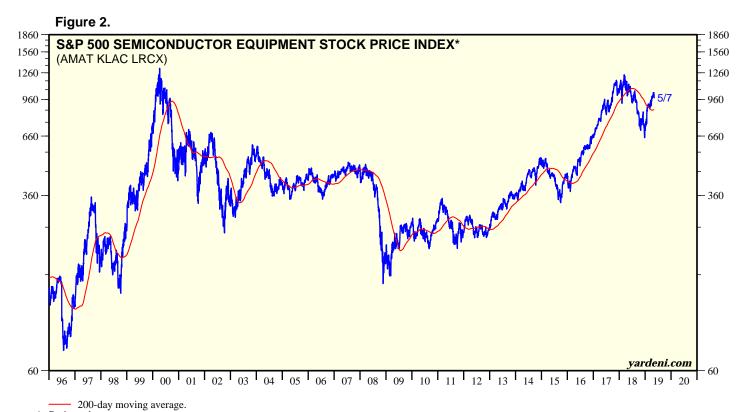


thinking outside the box

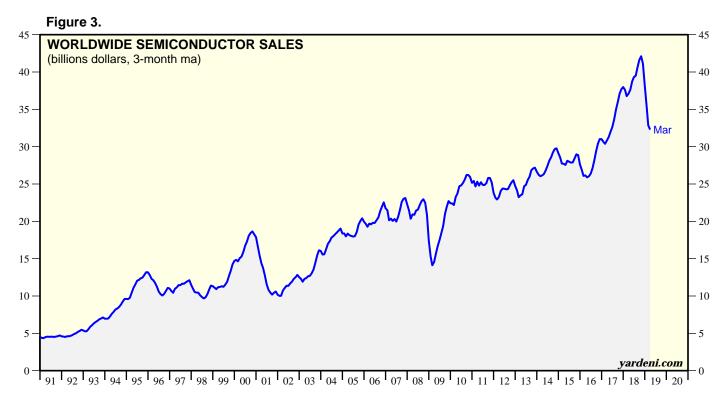


^{*} Ratio scale.

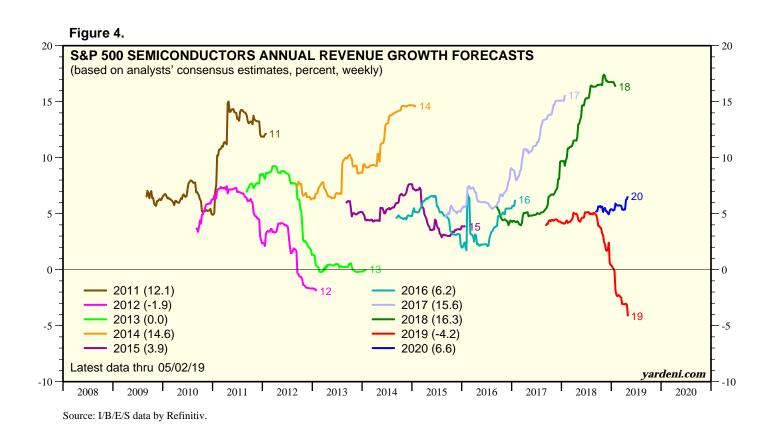
Source: Standard & Poor's and Haver Analytics.



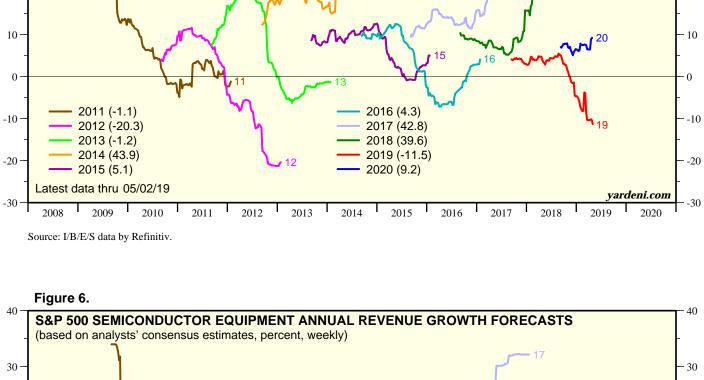
^{*} Ratio scale.
Source: Standard & Poor's and Haver Analytics.



Source: Semiconductor Industry Association.







20 20 16 10 10 0 2011 (14.9) 2016 (11.1) 2012 (-11.7) 2017 (32.2) 2013 (-4.2) 2018 (24.3) -10 -10 2014 (19.1) 2019 (-11.5) 2015 (6.8) 2020 (7.2) Latest data thru 05/02/19 yardeni.com -20 2008 2009 I 2010 2011 2012 2013 2014 I 2015 I 2016 2017 2018 2019 I 2020

Source: I/B/E/S data by Refinitiv.

50

40

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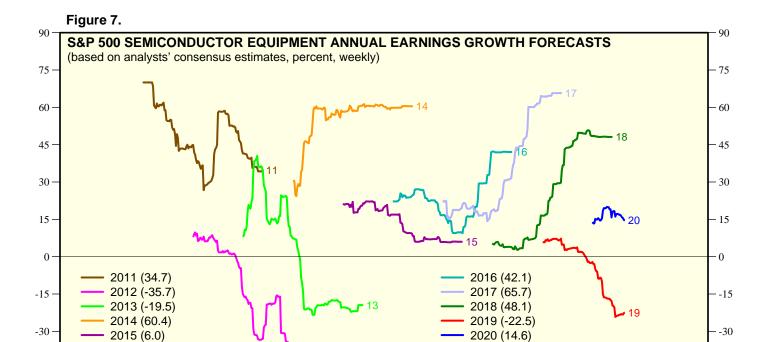
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20



2014

2015

2016

2012

2013

Source: I/B/E/S data by Refinitiv.

-45

Latest data thru 05/02/19

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