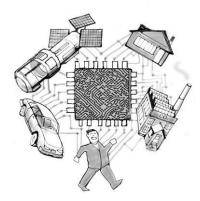
Sector View

Semiconductors

	1 M	3 M	6 M	31/12/15
Semiconductors	7.6%	2.0%	-6.5%	-1.5%
DJ Stoxx 600	1.7%	0.6%	-8.3%	-6.7%
*Stoxx Sector Indices				

Companies covered					
ARM HOLDI	NGS	BUY	1340p		
Last Price	991.5p	Market Cap.	GBP13,954m		
ASML		SELL	EUR81		
Last Price	EUR88.75	Market Cap.	EUR38,458m		
DIALOG		BUY	EUR35		
Last Price	EUR28.175	Market Cap.	EUR2,194m		
INFINEON		BUY	EUR15		
Last Price	EUR13.18	Market Cap.	EUR14,914m		
SOITEC		NEUTRAL	EUR0.45 vs. 0.5		
Last Price	EUR0.53	Market Cap.	EUR321m		
STMICROELE	CTRONICS	NEUTRAL	EUR6.3		
Last Price	EUR5.322	Market Cap.	EUR4,848m		



April data above seasonal average, May data should harbour no surprises

April sales came out above expectations and the seasonal average. According to WSTS data, unadjusted global semiconductor sales stood at USD25.2bn, down 8.1% on a sequential basis and down 6.1% on a yearly basis. This downtrend was 300bp above our 5-y historical benchmark pointing to a sequential decrease of 11.1%. Computer processors, which disappointed in March, shows better momentum in April while memory segment saw a challenging environment.

ANALYSIS

- Unadjusted global semiconductor sales continued to decrease on a yoy basis in April to USD25.2bn (down 6.1%) but the trend is improving. On a sequential basis, unadjusted global sales were down 8.1% in April compared to March. This was above our benchmark based on 5-y historical data showing an historical seasonal sequential decline in sales of 11.1% in April. Based on the visibility we now have, we anticipate further healthy momentum in the Smartphone, Automotive and Industrial segments while PCs should remain soft. We continue to expect low growth of 2-3% over the full year with H2 stronger than H1 thanks to better comparison. Note however that the environment is still fragile (March data, usually strong, was particularly disappointing).
- The Americas were the weakest point in April. Sales in Asia, which represents about 60% of semiconductor billings (~50% of which generated in China), were down by 5% yoy in March. European sales were down by 7% and US sales by 14%. In contrast, Japanese sales (about 10% of WW sales) rose by 1%.
- May and beyond: May data should harbour no surprises. April sales came out better than expected (macro index suggested a disappointment) and in view of current visibility, we expect May sales to be in line with historical seasonality (i.e. a sequential increase of 1%, +/-300bp). We expect Smartphone sales to maintain their current bumpy trend but we expect things to improve gradually from now. Q1 vehicle production remained encouraging, with production of light vehicles up 7% yoy in China and 9% in Europe (however, the US, which accounts for a quarter of Chinese production and a third of European production, decreased by 3%). Our mid-term view has not changed and we continue to expect better momentum in H2 2016 thanks to better comparison in Automotive and Smartphones. May ISM data improved slightly with the US PMI Manufacturing index at 51.3 compared with 50.8 in April. Compared to the January PMI at 48.2, this highlights a reacceleration in the industrial sector in the US that could boost demand for chips in this segment. Finally, Chinese data dipped slightly with Markit PMI Manufacturing at 49.2 compared with 48.0 in January.

VALUATION

• The 2016e P/E valuation improved significantly in May. Our semiconductor valuation table shows that the overall valuation between the six sub-sectors of the industry improved slightly in May. On average, IP & EDA vendors, and Fabless maintained the highest valuation metrics with average 2016e P/E ratios of 20.0x and 19.4x respectively (from 18.4x and 15.6x a month ago). Conversely, Memory makers now have the lowest valuation with an average 2016e P/E ratio of 11.5x (stable from 11.5x a month ago) while Foundry and IDMs valuation improved to 12.0x and 16.4x respectively (vs. 11.2x and 14.8x a month ago).

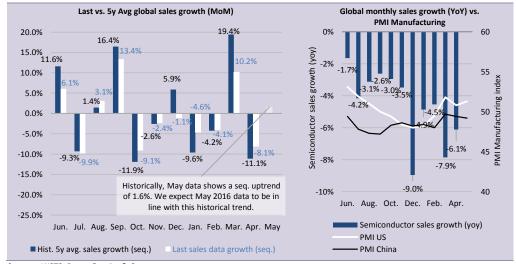
BG semiconductor sub-sector valuation table

	YTD stocks perf.		2016e			
Subsector (# of comp.)	Avg. / Median	High / Low	EV/Sales	EV/EBITDA	EV/EBIT	P/E
Fabless (15)	3.4% / 0.3%	43.0% / <mark>-36.9%</mark>	2.3x	8.8x	11.5x	19.4x
Logic & Analog IDM (19)	-0.5% / 0.6%	14.0% / -24.7%	2.6x	8.1x	11.4x	16.4x
Memory IDM (4)	0.7% / 0.5%	10.6% / -8.8%	0.9x	4.1x	2.5x	11.5x
Foundry (5)	-0.8% / 1.2%	10.7% / -16.5%	1.4x	3.9x	12.7x	12.0x
Semi Equipmt & Materials (11)	8.1% / 5.7%	37.2% / -5.8%	2.0x	8.1x	9.6x	14.9x
Intellectual Property & EDA (10)	20.8% / 18.4%	43.2% / -5.3%	4.3x	13.6x	18.4x	20.0x

Numbers between brackets represent the number of companies in each category; green/red numbers are higher/lower data per ratio. Sources: Thomson Reuters I.B.E.S.; Bryan Garnier & Co.

NEXT CATALYSTS

• May 2016 WSTS global billing reports, expected for early July.



May data should harbour no surprise

Sources: WSTS; Bryan Garnier & Co.

Click here to download



Analyst : Dorian Terral 33(0) 1.56.68.75.92 dterral@bryangarnier.com Sector Team : Richard-Maxime Beaudoux Thomas Coudry Gregory Ramirez

Bryan Garnier stock rating system

For the purposes of this Report, the Bryan Garnier stock rating system is defined as follows:

Stock rating

BUY	Positive opinion for a stock where we expect a favourable performance in absolute terms over a period of 6 months from the publication of a					
DUI	recommendation. This opinion is based not only on the FV (the potential upside based on valuation), but also takes into account a number of					
	elements that could include a SWOT analysis, momentum, technical aspects or the sector backdrop. Every subsequent published update on the stock					
will feature an introduction outlining the key reasons behind the opinion.						

- NEUTRAL Opinion recommending not to trade in a stock short-term, neither as a BUYER or a SELLER, due to a specific set of factors. This view is intended to be temporary. It may reflect different situations, but in particular those where a fair value shows no significant potential or where an upcoming binary event constitutes a high-risk that is difficult to quantify. Every subsequent published update on the stock will feature an introduction outlining the key reasons behind the opinion.
- SELL Negative opinion for a stock where we expect an unfavourable performance in absolute terms over a period of 6 months from the publication of a recommendation. This opinion is based not only on the FV (the potential downside based on valuation), but also takes into account a number of elements that could include a SWOT analysis, momentum, technical aspects or the sector backdrop. Every subsequent published update on the stock will feature an introduction outlining the key reasons behind the opinion.

Distribution of stock ratings

BUY ratings 72%

NEUTRAL ratings 0%

SELL ratings 28%

Research Disclosure Legend

1	Bryan Garnier shareholding in Issuer	Bryan Garnier & Co Limited or another company in its group (together, the "Bryan Garnier Group") has a shareholding that, individually or combined, exceeds 5% of the paid up and issued share capital of a company that is the subject of this Report (the "Issuer").	No
2	Issuer shareholding in Bryan Garnier	The Issuer has a shareholding that exceeds 5% of the paid up and issued share capital of one or more members of the Bryan Garnier Group.	No
3	Financial interest	A member of the Bryan Garnier Group holds one or more financial interests in relation to the Issuer which are significant in relation to this report	No
4	Market maker or liquidity provider	A member of the Bryan Garnier Group is a market maker or liquidity provider in the securities of the Issuer or in any related derivatives.	No
5	Lead/co-lead manager	In the past twelve months, a member of the Bryan Garnier Group has been lead manager or co-lead manager of one or more publicly disclosed offers of securities of the Issuer or in any related derivatives.	No
6	Investment banking agreement	A member of the Bryan Garnier Group is or has in the past twelve months been party to an agreement with the Issuer relating to the provision of investment banking services, or has in that period received payment or been promised payment in respect of such services.	No
7	Research agreement	A member of the Bryan Garnier Group is party to an agreement with the Issuer relating to the production of this Report.	No
8	Analyst receipt or purchase of shares in Issuer	The investment analyst or another person involved in the preparation of this Report has received or purchased shares of the Issuer prior to a public offering of those shares.	No
9	Remuneration of analyst	The remuneration of the investment analyst or other persons involved in the preparation of this Report is tied to investment banking transactions performed by the Bryan Garnier Group.	No
10	Corporate finance client	In the past twelve months a member of the Bryan Garnier Group has been remunerated for providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months.	No
11	Analyst has short position	The investment analyst or another person involved in the preparation of this Report has a short position in the securities or derivatives of the Issuer.	No
12	Analyst has long position	The investment analyst or another person involved in the preparation of this Report has a long position in the securities or derivatives of the Issuer.	No
13	Bryan Garnier executive is an officer	A partner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above.	No
14	Analyst disclosure	The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report.	Yes
15	Other disclosures	Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the recommendation/rating, price target/spread and summary of conclusions removed).	No

A copy of the Bryan Garnier & Co Limited conflicts policy in relation to the production of research is available at www.bryangarnier.com

London	Paris	New York	Munich	New Delhi
Beaufort House	26 Avenue des Champs Elysées	750 Lexington Avenue	Widenmayerstrasse 29	The Imperial Hotel Janpath
15 St. Botolph Street	75008 Paris	New York, NY 10022	80538 Munich	New Delhi 110 001 Tel +91 11 4132 6062
London EC3A 7BB	Tel: +33 (0) 1 56 68 75 00	Tel: +1 (0) 212 337 7000	Germany	+91 98 1111 5119
Tel: +44 (0) 207 332 2500	Fax: +33 (0) 1 56 68 75 01	Fax: +1 (0) 212 337 7002	+49 89 2422 62 11	Fax +91 11 2621 9062
Fax: +44 (0) 207 332 2559	Regulated by the	FINRA and SIPC member		Geneva
Authorised and regulated by the	Financial Conduct Authority (FCA) and the			rue de Grenus 7
Financial Conduct Authority (FCA)	Autorité de Contrôle prudential et de			CP 2113 Genève 1, CH 1211
	resolution (ACPR)			Tel +4122 731 3263
				Fax+4122731 3243

Important information

This document is classified under the FCA Handbook as being investment research (independent research). Bryan Garnier & Co Limited has in place the measures and arrangements required for investment research as set out in the FCA's Conduct of Business Sourcebook.

Regulated by the FINMA

This report is prepared by Bryan Garnier & Co Limited, registered in England Number 03034095 and its MIFID branch registered in France Number 452 605 512. Bryan Garnier & Co Limited is authorised and regulated by the Financial Conduct Authority (Firm Reference Number 178733) and is a member of the London Stock Exchange. Registered address: Beaufort House 15 St. Botolph Street, London EC3A 7BB, United Kingdom

This Report is provided for information purposes only and does not constitute an offer, or a solicitation of an offer, to buy or sell relevant securities, including securities mentioned in this Report and options, warrants or rights to or interests in any such securities. This Report is for general circulation to clients of the Firm and as such is not, and should not be construed as, investment advice or a personal recommendation. No account is taken of the investment objectives, financial situation or particular needs of any person.

The information and opinions contained in this Report have been compiled from and are based upon generally available information which the Firm believes to be reliable but the accuracy of which cannot be guaranteed. All components and estimates given are statements of the Firm, or an associated company's, opinion only and no express representation or warranty is given or should be implied from such statements. All opinions expressed in this Report are subject to change without notice. To the fullest extent permitted by law neither the Firm nor any associated company accept any liability whatsoever for any direct or consequential loss arising from the use of this Report. Information may be available to the Firm and/or associated companies which are not reflected in this Report. The Firm or an associated company may have a consulting relationship with a company which is the subject of this Report.

This Report may not be reproduced, distributed or published by you for any purpose except with the Firm's prior written permission. The Firm reserves all rights in relation to this Report.

Past performance information contained in this Report is not an indication of future performance. The information in this report has not been audited or verified by an independent party and should not be seen as an indication of returns which might be received by investors. Similarly, where projections, forecasts, targeted or illustrative returns or related statements or expressions of opinion are given ("Forward Looking Information") they should not be regarded as a guarantee, prediction or definitive statement of fact or probability. Actual events and circumstances are difficult or impossible to predict and will differ from assumptions. A number of factors, in addition to the risk factors stated in this Report, could cause actual results to differ materially from those in any Forward Looking Information.

Disclosures specific to clients in the United Kingdom

This Report has not been approved by Bryan Garnier & Co Limited for the purposes of section 21 of the Financial Services and Markets Act 2000 because it is being distributed in the United Kingdom only to persons who have been classified by Bryan Garnier & Co Limited as professional clients or eligible counterparties. Any recipient who is not such a person should return the Report to Bryan Garnier & Co Limited and should not rely on it for any purposes whatsoever.

This research report (the "Report") was prepared by Bryan Garnier & Co Limited for information purposes only. The Report is intended for distribution in the United States to "Major US Institutional Investors" as defined in SEC Rule 15a-6 and may not be furnished to any other person in the United States. Each Major US Institutional Investor which receives a copy of this Report by its acceptance hereof represents and agrees that it shall not distribute or provide this Report to any other person. Any US person that desires to effect transactions in any security discussed in this Report should call or write to our US affiliated broker, Bryan Garnier Securities, LLC. 750 Lexington Avenue, New York NY 10022. Telephone: 1-212-337-7000.

This Report is based on information obtained from sources that Bryan Garnier & Co Limited believes to be reliable and, to the best of its knowledge, contains no misleading, untrue or false statements but which it has not independently verified. Neither Bryan Garnier & Co Limited and/or Bryan Garnier Securities LLC make no guarantee, representation or warranty as to its accuracy or completeness. Expressions of opinion herein are subject to change without notice. This Report is not an offer to buy or sell any security.

Bryan Garnier Securities, LLC and/or its affiliate, Bryan Garnier & Co Limited may own more than 1% of the securities of the company(ies) which is (are) the subject matter of this Report, may act as a market maker in the securities of the company(ies) discussed herein, may manage or co-manage a public offering of securities for the subject company(ies), may sell such securities to or buy them from customers on a principal basis and may also perform or seek to perform investment banking services for the company(ies).

Bryan Garnier Securities, LLC and/or Bryan Garnier & Co Limited are unaware of any actual, material conflict of interest of the research analyst who prepared this Report and are also not

aware that the research analyst knew or had reason to know of any actual, material conflict of interest at the time this Report is distributed or made available..