2019 Fortuna Buyback ROI Report

April 19, 2019



Preface to the 2019 Fortuna Buyback ROI Report

Eight years ago, Fortuna Advisors introduced the concept of Buyback ROI in an article published on CFO.com. The purpose was to peer beyond simplistic and often misleading analysis like Earnings Per Share (EPS) accretion and determine how the returns from share repurchase programs compare to those of other uses of a company's capital. At the time of the original publication, the prevailing thought was that EPS accretion was generally good and therefore so were buybacks, especially as a tax-efficient way to return capital to shareholders. Elements of this perspective are still common today, but the increasing volume of public companies' share repurchases relative to their (re)investment in long-run earnings power has attracted criticism, along with increased scrutiny of the timing of such buybacks.

This is partly because investors and other stakeholders generally recognize that not all EPS growth is created equal. Our research shows that, on average, EPS growth that comes from reducing a company's outstanding shares is worth significantly less than EPS growth resulting from revenue growth and operating improvements. So the short-term EPS accretion from buybacks alone is not enough to drive share prices higher. This finding emphasizes the need to evaluate buybacks using a consistent and comprehensive return-based framework, as in any other resource allocation process.

This allocation of capital and other resources is among the most important responsibilities of executive management and the board of directors. Managements consider the return on investment when evaluating and prioritizing capital deployment alternatives to fund capital expenditures, research & development, major marketing expenditures, and acquisitions. And they should do the same with repurchase programs. Buyback ROI is a measure that allows management teams to evaluate buybacks against other forms of investment, and to repurchase shares only when that is the best use of capital.

If a management team spends \$1 billion to acquire another company, and a year later the acquired company has meaningfully increased in value, they have delivered a strong return on investment to investors. In the same way, if management uses \$1 billion to repurchase its company's own stock, and a year later the acquired shares have meaningfully increased in value, they also have delivered a strong return on investment to investors. But if management buys back shares at relatively high prices, and the value of the shares declines, then shareholders would have been better off if management had retained this capital until they could buy back more shares at a lower price.

In this report, which follows our 2017 and 2018 reports featured in Fortune Magazine, we provide the full ranking along with a more in-depth discussion of the findings and of how managements can use Buyback ROI to make better capital deployment decisions. We also introduce our newest service, VIBE (Value Inspired Buyback Execution), which is designed to help companies better time buybacks and, in so doing, retire more shares with a given amount of capital.

The Utility of Buyback ROI (and Other Metrics Used in the Report)

Buybacks can be an important tool in the corporate finance toolbox, but sometimes buyback strategies and tactics employed by companies are misaligned with shareholder value—hence the benefit of measuring results. Academic studies point to the benefits of buybacks based on the share price reaction



to announcement, often placing less emphasis on long-term performance. In our work, however, we find that companies that dedicate a greater proportion of cash earnings to share repurchases on average experience lower total shareholder returns (TSR), contracting multiples (or lower multiple expansion), and poor timing. These findings are evidenced across the market broadly, as well as at the industry level.

Poor market timing is what often separates value-increasing buyback programs from those that detract from shareholder value. S&P 500 companies tend to buy back more shares not only when market valuations are high, but when their own valuations are much closer to their peak levels than to their bottoms. This timing problem stems from the common corporate practice of prioritizing investments and dividends, and then allocating the residual capital to buybacks. Stock prices tend to be higher when company performance is strong and residual capital is greater. As a result, selling shareholders benefit from peak pricing at the expense of the shareholders that stick around.

With such large amounts of cash being spent on repurchases, one may ask if this form of distribution is really in the best interest of shareholders, especially with the market so high today. Do management teams and boards of directors perform or expect the same level of planning and analysis for share repurchases as they do for other forms of capital deployment, such as capital expenditures and acquisitions? Are there other motivations and forces at play, such as EPS targeting, overly conservative hurdles for other investments, or investor short-termism? We believe that companies would do well to develop a buyback measurement and review process that operates within a rigorous capital deployment policy framework. To assist with this, we developed Buyback ROI and its associated metrics in order to measure the return and timing of repurchases.

Buyback ROI is calculated as an annualized internal rate of return (IRR) that views the amount spent on buybacks as the "investment," and the dividends saved on the repurchased shares plus appreciation of (or loss on) the retired shares as the return. **Buyback Strategy** is a measure that tells us whether a company bought back shares during a period when its share price was generally rising (or falling), and reflects the company's total shareholder return based on share price appreciation and dividends over the period. **Buyback Effectiveness** is simply the compounded difference between Buyback ROI and Buyback Strategy, and reflects the overall timing of repurchase programs.

For those who want to know more about Buyback ROI and the metrics and methodology used for the ranking, see our list of further reading at the end of the report and Appendix I – The Buyback ROI Calculation.

Commentary on the State of Stock Buybacks

Over the five-year period ending in December 2018, the 370 ranked companies in our report¹ allocated \$2.86 trillion to repurchasing shares, which far exceeds the amount in any previous five-year period. This increase was attributable not just to the executives' growing penchant for buybacks, but to provisions in the Tax Cut and Jobs Act that freed up capital that was previously trapped overseas. Some of the repatriated funds was used to support increased aggregate spending on R&D and capital expenditures.

¹ Includes all S&P 500 companies that bought back at least \$1 billion or at least 4% of their ending market cap.



But the sheer volume of trapped cash was far in excess of what could be profitably reinvested, so companies distributed record amounts to shareholders through increased buybacks and dividends.

Some may criticize this surge in buybacks, as Senators Chuck Schumer and Bernie Sanders did in a recent *New York Times* editorial. But these critics fail to see how such payouts can increase capital productivity while also delivering the important social benefit of recycling "excess capital" from large, mature companies with fewer investment or employment opportunities to the next generation of Apples and Amazons. When done under the correct circumstances, such distributions increase job creation and strengthen the overall economy. Indeed in 2018, which saw a record amount of share repurchases, there was also record-low unemployment.

Median Buyback ROI was 8.1%, materially down from 13.8% last year, and likely influenced by the market downturn in the fourth quarter of 2018, and the fact that the strong bull market of 2013 dropped out of the five-year period. Four out of five companies in the ranking had a five-year median return on equity from business operations that was higher than their Buyback ROI. A good portion of these companies may well have created more value with traditional investments in their core (and related) businesses.

Median Buyback Strategy was a strong 10.6%, but was down from 16.1% in the prior year's ranking, which indicates that buybacks were generally a good idea for many of these companies based on their share price performance. This measure of the desirability of buybacks in 2018 has dropped considerably from the year before, suggesting that on the whole reinvestment rates may have been too low.

The report shows a median Buyback Effectiveness of negative 1.3%, which compares favorably to negative 2.5% for the previous year and negative 4.3% in the ranking before that. Negative Buyback Effectiveness implies that Buyback ROI was lower than a company's TSR, which generally results from poor buyback timing, suboptimal capital allocation decisions, or both. Our study also confirms that most companies buy more stock when it's relatively expensive than when it's not, and so end up repurchasing fewer shares (given the same amount of capital deployed). This year, 64% of companies in the ranking had negative Buyback Effectiveness, down from 75% last year and 83% the prior year. This improvement in timing shows a more sophisticated approach by companies in 2018, even if the majority still appear to be losing value due to less-than-ideal timing.

The \$2.86 trillion of buybacks over the five years amounted to 86% more than the amount distributed as dividends. Total buybacks and dividends summed to \$4.40 trillion, which coincidentally is exactly 100% of the companies' net income over the period, and 50% of ranked companies paid out more than 100% of net income into buybacks and dividends. Such a large volume of payouts, along with weaker capital reinvestment spending during the past years, is consistent with claims that corporate America is underinvesting in the future. And these figures suggest that buybacks could be limiting the value created by U.S. public companies, at least to some extent.

We see two types of problems with the buyback programs at many companies. As discussed above, some companies buy back too much, and their shareholders would be better off if they instead invested more in the business. The second problem is timing—most companies repurchase too much stock when the



stock price is relatively high and not enough when it's low. This year we performed the following two new analyses on the companies in the ranking to evaluate this timing problem.

The first new analysis was prompted by the generally market-wide share price losses in the fourth quarter of 2018. We at Fortuna Advisors wondered if companies generally repurchased more or less during this quarter. In one of the best examples of effective buyback timing we have seen, 55% of the companies completed over 25% of their 2018 repurchases in Q4, implying that they ramped up their program when their share prices fell. And with the market rebounding in 2019, these Q4 buybacks are delivering strong Buyback ROI for most companies.

For the second new analysis, we conducted a longer-run test to evaluate what would have happened if companies had repurchased the same number of shares by spending equal amounts on repurchases every quarter. In total, the companies in the ranking could have bought back the same number of shares while saving a combined total of over \$125 billion. Though some would have fared better than others. Fully 62% of companies would have benefitted from this price-averaging process, and they collectively would have saved \$159 billion with such "flat" buybacks. Imagine how much companies could have saved by thoughtfully timing their repurchases and buying back more when their share prices were relatively lower. For an example of this, consider that 38% of companies timed their buybacks better than the flat buyback scenario by concentrating their buybacks in periods when their share price was below the trend. The buyback programs at these companies would have consumed \$34 billion more if they had spent equal amounts each quarter on buybacks. These companies demonstrate the benefits of good timing.

The potential gains from improvements in buyback timing are significant. Companies can retire the same number of shares while retaining millions of dollars, or retire more shares with the same expenditure. To help companies achieve these improvements, we at Fortuna Advisors developed Buyback ROI and Buyback Effectiveness to compare the results of repurchases to the returns of other uses of capital (CapEx, R&D, acquisitions, etc.). For many years we applied these measures to determine how well buybacks have performed historically, which is the basis for the ranking we publish. Starting last year, we began helping companies look forward in order to reap the gains associated with achieving better timing and higher Buyback ROI.



VIBE: Value Inspired Buyback Execution

To help managements achieve higher Buyback ROI through better timing, we developed VIBE, which provides four powerful empirical signals based on the expected Buyback ROI of buying back stock at any given point in time.

- 1. Performance and Valuation based on the company and its peers, indicates the likelihood of a desirable Buyback ROI.
- 2. Required Future Multiple reverse-engineered based on the PE multiple required to achieve a customized hurdle rate.
- 3. RCE-Implied Premium Discount based on Fortuna Advisors' Residual Cash Earnings (RCE) measure.
- 4. **VIBE Simulation of Value** based on 1000+ simulations that incorporate growth, margins, and asset intensity.

VIBE provides fact-based indicators to help companies buy more when the share price is below average and less when it's relatively high, in pursuit of a higher Buyback ROI. VIBE's signals can be applied to an entire buyback program or part of it, and can be implemented into ASR rules and documentation.

VIBE is an annual service that provides clear actionable outputs, including "cutoff prices" for optimal timing. It begins with a two-month customization process, and all data inputs and outputs are updated monthly by Fortuna, with Smart Tools to refresh signals between formal updates. VIBE keeps companies informed about their buyback prospects as value-creating opportunities emerge, and thus improve the overall corporate capital deployment process.



Capital Deployment Policy

By measuring performance, Buyback ROI is intended to bring greater rigor and accountability to the decision-making processes and strategy behind share repurchases. Most importantly, a focus on these measures helps bring greater attention and consideration to the impact of the quantity and timing of share repurchases on value creation for the remaining shareholders. A value-based perspective is especially important in today's climate, where shorter-term investor and media pressures may prevail and lead management to buy back too much, or to repurchase stock at precisely the wrong time.

While Buyback ROI can be used to measure past performance, it is also very useful when informing future decisions and policy. We often suggest performing the same prospective break-even and scenario analysis done for other capital deployment decisions. For example, what sort of future share price performance (and dividend yield) will generate a return that is consistent with other capital deployment hurdles? Given our expectations for earnings or EBITDA growth, what valuation multiple is required to deliver decent Buyback ROI? Given the company's historical range of valuation multiples, what is the probability that current buybacks will deliver high Buyback ROI when we look back in a few years?

The timing and methodology of repurchase programs are also critical over the long term. Specifying rules related to company valuation, market or industry conditions, and future liquidity needs may be helpful. For example, should dollar-cost averaging be employed to minimize poor repurchase timing? Alternatively, is it best to focus on opportunistic or tactical repurchases when share prices are below a predetermined valuation threshold? Do current lofty market conditions suggest less upside in the market or industry? And do future investment opportunities, economic conditions, or long-term company strategies indicate a greater need for future liquidity?

We believe that consideration of these items and a meaningful effort to quantify future performance, especially in light of past performance, may help to better formalize a buyback strategy. A well-thought-out approach will help a company take advantage of, instead of falling victim to, swings in the market.

Further Reading on Buyback ROI:

- 1. "What's Your Return on Buybacks," CFO.com, Gregory V. Milano
- 2. "How to Tell Good Buybacks from Bad Ones," CFO.com, Gregory V. Milano and Joseph Theriault
- 3. "How to Make Hay Out of Buybacks," CFO.com, Gregory V. Milano
- 4. "Why to Choose Growth Over Buybacks," CFO.com, Gregory V. Milano and John R Cryan
- 5. "Advocates Overrating the Benefits of Buybacks," CFO.com, Gregory V. Milano and John R. Cryan
- 6. <u>"Are Buybacks The Best We Can Do?," Buona Fortuna!, Gregory V. Milano</u>

This report was completed by Greg Milano, Frank Hopson, Luke Kim and Michael Chew.



Appendix I - The Buyback ROI Calculation

Over a specified time period, an annualized internal rate of return (IRR) is calculated based on (1) the cash outflows associated with share repurchases, (2) the estimated cash "inflows" of avoided dividends, and (3) an estimated final "inflow" related to the final value of the accumulated number of shares repurchased. Figure 1 illustrates the metric's calculation.

Figure 1



The Buyback ROI ranking discussed below and covered by FORTUNE Magazine is based on the most recent five years of buybacks although longer and shorter periods can also be used. All members of the S&P 500 are included if they deployed at least \$1 billion or at least 4% of the recent market capitalization to buy back shares over the period. As most companies don't disclose average buyback prices, quarterly buybacks are assumed to be executed at the average closing price for each day the market is open during the quarter. For consistency, the final value of the cumulative repurchased shares is set based on the average closing price for the final quarter of the analysis.

Two associated metrics reflect the timing impact of repurchases (Buyback Effectiveness), as well as a company's underlying share price performance (Buyback Strategy). See equation (a) in figure 2 below. Buyback Strategy is similar to total shareholder return, which reflects share price appreciation and dividends, but with the starting and ending share price again based on the average closing price of the quarter. Buyback Effectiveness is the compounded difference between Buyback ROI and Buyback Strategy. See equation (b) in Figure 2 below.

Figure 2

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(1+ Buyback ROI) = (1+ Buyback Strategy) x (1+ Buyback Effectiveness) ...equation (a)
(1+ Buyback ROI) / (1+ Buyback Strategy) = (1+ Buyback Effectiveness) ...equation (b)
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When companies tend to buy more shares when the share price is below the longer term trend, Buyback Effectiveness is positive. When companies tend to buy more shares at higher prices, Buyback Effectiveness is negative.

Appendix II – 2019 Buyback ROI Ranking (Following pages)

The report includes all members of the S&P 500 that deployed at least \$1 billion or at least 4% of the recent market capitalization to buy back shares over the period.



Source: Fortuna Advisors Analysis using data from the Capital IQ database.

Financial Data from December 2013 to December 2018. Includes the 477 members of the current S&P 500 that were public for the full period.

Market Capitalization as of: 12/31/2018.



Rank	Company Name	Ticker	Industry	Market Capitalization	\$ Total Dividends	\$ Total Buyback	\$ Total Buyback / Market Cap	Buyback ROI	Buyback Strategy	Buyback Effectiveness	BuyBack ROI Ranking in 2018 Report
	Average Median			\$50,296 \$19,952	\$4,159 \$1,403	\$7,730 \$3,230	19.2% 16.1%	8.3% 8.1%	10.4% 10.6%	-2.0% -1.3%	
1	NVIDIA Corporation	NVDA	Semiconductors and Semiconductor Equipment	\$81,435	\$1,372	\$6,448	7.9%	70.4%	67.1%	2.0%	1
2	Align Technology, Inc.	ALGN	Health Care Equipment and Services	\$16,751	\$0	\$890	5.3%	45.9%	36.2%	7.1%	NA
3	Fortinet, Inc.	FTNT	Software and Services	\$11,999	\$0	\$1,063	8.9%	45.9%	31.3%	11.1%	NA
4	Intuitive Surgical, Inc.	ISRG	Health Care Equipment and Services	\$54,693	\$0	\$3,712	6.8%	40.0%	32.1%	5.9%	19
5	Adobe Inc.	ADBE	Software and Services	\$110,435	\$0	\$6,506	5.9%	38.2%	34.3%	2.9%	12
6	Take-Two Interactive Software, Inc.	TTWO	Media and Entertainment	\$11,717	\$0	\$717	6.1%	38.2%	46.1%	-5.4%	NA
7	Copart, Inc.	CPRT	Commercial and Professional Services	11181.25963	\$0	\$1,197	10.7%	36.8%	24.1%	10.2%	NA
8	The Boeing Company	BA	Capital Goods	\$183,143	\$14,724	\$38,665	21.1%	34.5%	24.7%	7.8%	14
9	MSCI Inc.	MSCI	Diversified Financials	\$12,979	\$495	\$2,985	23.0%	33.2%	30.7%	2.0%	10
10	IDEXX Laboratories, Inc.	IDXX	Health Care Equipment and Services	\$16,041	\$0	\$1,998	12.5%	31.9%	31.3%	0.5%	20
	UnitedHealth Group Incorporated	UNH	Health Care Equipment and Services	239661.9599	\$11,502	\$12,488	5.2%	31.7%	31.8%	-0.1%	17
12	CSX Corporation	CSX	Transportation	\$52,464	\$3,454	\$9,018	17.2%	31.4%	23.2%	6.7%	30
	DXC Technology Company	DXC	Software and Services	\$14,894	\$573	\$2,632	17.7%		30.8%	0.0%	NA
	Edwards Lifesciences Corporation	EW	Health Care Equipment and Services	\$32,020	\$0	\$2,802	8.8%	30.6%	35.0%	-3.3%	40
	Microsoft Corporation	MSFT	Software and Services	\$779,805	\$56,827	\$66,093	8.5%	30.6%	27.2%	2.7%	32
	Red Hat, Inc.	RHT	Software and Services	\$31,046	\$0	\$2,152	6.9%	30.6%	27.9%	2.1%	36
	ConocoPhillips	COP	Energy	\$71,780	\$11,110	\$6,144	8.6%	29.5%	2.0%	26.9%	31
	Autodesk, Inc.	ADSK	Software and Services	\$28,167	\$0	\$2,899	10.3%	28.6%	25.3%	2.7%	21
	Intuit Inc.	INTU	Software and Services	\$51,090	\$1,575	\$4,475	8.8%	28.6%	25.0%	2.8%	67
	Darden Restaurants, Inc.	DRI	Consumer Services	\$12,394	\$1,471	\$1,244	10.0%	28.1%	22.3%	4.8%	42
	Zoetis Inc.	ZTS	Pharmaceuticals, Biotechnology and Life Sciences	\$41,098	\$951	\$1,701	4.1%	27.7%	24.0%	3.0%	NA
	Mastercard Incorporated	MA	Software and Services	\$194,837	\$4,065	\$19,288	9.9%	27.6%	22.6%	4.1%	56
	VeriSign, Inc.	VRSN	Software and Services	\$17,927	\$0	\$3,448	19.2%	27.6%	22.2%	4.4%	76
	Total System Services, Inc.	TSS	Software and Services	\$14,831	\$358	\$626	4.2%	27.4%	24.7%	2.2%	NA
	Cintas Corporation	CTAS	Commercial and Professional Services	\$17,660	\$628	\$2,194	12.4%	27.3%	28.7%	-1.1%	24
	Global Payments Inc.	GPN	Software and Services	\$16,316	\$27	\$1,232	7.6%	26.8%	29.5%	-2.1%	13
	Cadence Design Systems, Inc.	CDNS	Software and Services	\$12,268	\$0	\$1,966	16.0%	26.5%	26.5%	0.0%	6
	Broadridge Financial Solutions, Inc.	BR	Software and Services	\$11,237	\$728	\$1,285	11.4%	26.4%	27.0%	-0.5%	NA
	Anthem, Inc.	ANTM		\$67,927	\$3,302	\$8,390	12.4%	26.1%	27.4%	-1.0%	50
	NetApp, Inc.	NTAP	Technology Hardware and Equipment	\$15,030	\$1,195	\$5,825	38.8%	25.7%	14.4%	9.9%	176
	Visa Inc.	V	Software and Services	\$290,823	\$6,136	\$30,050	10.3%	25.1%	23.2%	1.5%	58
	Illumina, Inc.	ILMN	Pharmaceuticals, Biotechnology and Life Sciences	\$44,090 \$39,301	\$0	\$1,592 \$5,835	3.6% 14.8%	25.0% 24.9%	27.6% 27.4%	-2.1%	121
	Humana Inc.	HUM	Health Care Equipment and Services		\$1,006					-1.9%	54
	Jack Henry & Associates, Inc.	JKHY	Software and Services	\$9,780	\$451 \$494	\$711	7.3% 24.5%	24.8%	22.2%	2.1%	NA 252
	HCA Healthcare, Inc.	HCA	Health Care Equipment and Services	\$42,831		\$10,479		24.3%	24.0%	0.2%	252
	IQVIA Holdings Inc.	IQV	Pharmaceuticals, Biotechnology and Life Sciences	\$23,239	\$0	\$6,055	26.1%	24.0%	22.6% 13.2%	1.2%	NA 9
	Best Buy Co., Inc.	BBY NRG	Retailing Utilities	\$14,252 \$11,481	\$1,838 \$57	\$5,262 \$819	36.9% 7.1%	23.7% 23.3%	8.2%	9.3% 13.9%	168
	NRG Energy, Inc.										
	Motorola Solutions, Inc.	MSI	Technology Hardware and Equipment	\$18,812	\$1,519	\$7,184	38.2%	22.7%	16.7%	5.1%	152
	Ross Stores, Inc.	ROST	Retailing	\$30,833	\$1,160	\$4,151	13.5% 11.6%	22.6% 22.4%	20.4%	1.8%	108 86
	Xilinx, Inc.	XLNX	Semiconductors and Semiconductor Equipment	\$21,552	\$1,651	\$2,511	5.7%	22.4%	16.0% 20.7%	5.5% 1.3%	187
42	Eli Lilly and Company	LLY	Pharmaceuticals, Biotechnology and Life Sciences	\$116,729	\$10,891	\$6,600	5.7%	22.3%	20.7%	1.3%	18/

Source: Fortuna Advisors Analysis using data from the Capital IQ database.

Financial Data from December 2013 to December 2018. Includes the 477 members of the current S&P 500 that were public for the full period.

Market Capitalization as of: 12/31/2018.



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	erage edian			\$50,296 \$19,952	\$4,159 \$1,403	\$7,730 \$3,230	19.2% 16.1%	8.3% 8.1%	10.4% 10.6%	-2.0% -1.3%	
43 Mic	cron Technology, Inc.	MU	Semiconductors and Semiconductor Equipment	\$35,571	\$0	\$2,969	8.3%	22.3%	14.3%	7.0%	8
44 The	ermo Fisher Scientific Inc.	TMO	Pharmaceuticals, Biotechnology and Life Sciences	\$90,093	\$1,216	\$3,003	3.3%	22.1%	19.2%	2.4%	83
45 App	ple Inc.	AAPL	Technology Hardware and Equipment	\$748,539	\$62,117	\$228,961	30.6%	21.7%	23.0%	-1.0%	52
46 Mc	Cormick & Company, Incorporated	MKC	Food, Beverage and Tobacco	\$18,329	\$1,126	\$854	4.7%	21.4%	18.3%	2.6%	207
47 Nor	rfolk Southern Corporation	NSC	Transportation	\$40,727	\$3,642	\$5,989	14.7%	21.3%	16.6%	4.1%	
48 Har	rris Corporation	HRS	Capital Goods	\$16,169	\$1,109	\$1,124	7.0%	21.1%	21.6%	-0.4%	34
49 Cisc	co Systems, Inc.	CSCO	Technology Hardware and Equipment	\$194,810	\$25,233	\$46,276	23.8%	21.0%	19.4%	1.3%	
50 Fise	erv, Inc.	FISV	Software and Services	\$29,284	\$0	\$6,223	21.3%	20.6%	23.4%	-2.3%	
51 S&F	P Global Inc.	SPGI	Diversified Financials	\$42,638	\$1,993	\$5,290	12.4%	20.5%	21.6%	-0.9%	33
52 Aut	tomatic Data Processing, Inc.	ADP	Software and Services	\$57,395	\$4,766	\$5,530	9.6%	20.3%	18.7%	1.3%	124
53 Wa	iste Management, Inc.	WM	Commercial and Professional Services	\$37,941	\$3,666	\$3,785	10.0%	20.2%	18.7%	1.3%	69
54 Mcl	Donald's Corporation	MCD	Consumer Services	\$136,891	\$15,850	\$30,362	22.2%	20.1%	16.5%	3.1%	53
55 Per	kinElmer, Inc.	PKI	Pharmaceuticals, Biotechnology and Life Sciences	\$8,738	\$156	\$355	4.1%	19.9%	17.8%	1.8%	114
56 Tex	cas Instruments Incorporated	TXN	Semiconductors and Semiconductor Equipment	\$90,771	\$9,072	\$15,360	16.9%	19.9%	21.3%	-1.2%	29
57 Uni	ited Continental Holdings, Inc.	UAL	Transportation	\$22,813	\$0	\$7,238	31.7%	19.9%	20.2%	-0.3%	251
58 Rep	oublic Services, Inc.	RSG	Commercial and Professional Services	\$23,398	\$2,099	\$2,557	10.9%	19.8%	19.6%	0.2%	91
59 Citr	rix Systems, Inc.	CTXS	Software and Services	\$13,808	\$47	\$5,310	38.5%	19.7%	17.3%	2.1%	137
60 Syn	nopsys, Inc.	SNPS	Software and Services	\$12,595	\$0	\$1,687	13.4%	19.6%	18.9%	0.7%	37
61 Sys	co Corporation	SYY	Food and Staples Retailing	\$32,570	\$3,533	\$5,610	17.2%	19.3%	18.0%	1.2%	135
62 E*T	FRADE Financial Corporation	ETFC	Diversified Financials	\$11,154	\$36	\$2,003	18.0%	19.3%	22.5%	-2.7%	4
63 ANS	SYS, Inc.	ANSS	Software and Services	\$11,944	\$0	\$1,568	13.1%	19.2%	12.6%	5.9%	74
64 Nor	rthrop Grumman Corporation	NOC	Capital Goods	\$42,519	\$3,316	\$9,569	22.5%	19.1%	23.0%	-3.1%	18
65 Cigi	na Corporation	CI	Health Care Equipment and Services	\$72,317	\$0	\$5,489	7.6%	19.1%	20.6%	-1.3%	44
66 Stry	yker Corporation	SYK	Health Care Equipment and Services	\$58,654	\$2,890	\$1,625	2.8%	19.0%	19.7%	-0.6%	72
67 Cos	stco Wholesale Corporation	COST	Food and Staples Retailing	\$89,732	\$3,988	\$3,240	3.6%	18.9%	16.2%	2.3%	182
68 O'R	Reilly Automotive, Inc.	ORLY	Retailing	\$27,582	\$0	\$7,395	26.8%	18.8%	22.0%	-2.6%	248
69 Me	ettler-Toledo International Inc.	MTD	Pharmaceuticals, Biotechnology and Life Sciences	\$14,165	\$0	\$2,284	16.1%	18.6%	18.9%	-0.3%	22
70 YUN	M! Brands, Inc.	YUM	Consumer Services	\$28,707	\$2,823	\$10,954	38.2%	18.6%	13.9%	4.1%	NA
71 JPN	Morgan Chase & Co.	JPM	Banks	\$324,580	\$0	\$54,851	16.9%	18.0%	17.2%	0.7%	60
72 Acc	centure plc	ACN	Software and Services	\$89,887	\$7,623	\$12,972	14.4%	18.0%	18.3%	-0.3%	98
73 The	e Home Depot, Inc.	HD	Retailing	\$194,075	\$17,881	\$38,843	20.0%	18.0%	20.7%	-2.3%	59
	sdaq, Inc.	NDAQ	Diversified Financials	\$13,374	\$970	\$1,503	11.2%	17.7%	20.5%	-2.3%	94
75 Cbc	pe Global Markets, Inc.	CBOE	Diversified Financials	\$10,977	\$467	\$565	5.1%	17.4%	17.3%	0.1%	NA
76 Ver	risk Analytics, Inc.	VRSK	Commercial and Professional Services	\$17,950	\$0	\$1,854	10.3%	17.4%	12.2%	4.6%	201
77 Agil	lent Technologies, Inc.	Α	Pharmaceuticals, Biotechnology and Life Sciences	\$21,488	\$828	\$1,568	7.3%	17.3%	13.2%	3.6%	87
78 Inte	ercontinental Exchange, Inc.	ICE	Diversified Financials	\$42,907	\$2,070	\$3,814	8.9%	17.3%	14.7%	2.3%	102
79 Cor	rning Incorporated	GLW	Technology Hardware and Equipment	\$24,180	\$0	\$14,663	60.6%	17.2%	16.8%	0.4%	71
80 Uni	ion Pacific Corporation	UNP	Transportation	\$101,846	\$10,136	\$22,033	21.6%	17.1%	15.9%	1.1%	181
81 Reg	gions Financial Corporation	RF	Banks	\$13,833	\$1,565	\$3,902	28.2%	17.1%	13.2%	3.4%	51
82 The	e Estée Lauder Companies Inc.	EL	Household and Personal Products	\$47,207	\$2,255	\$4,633	9.8%	17.0%	14.8%	1.9%	116
83 Chu	urch & Dwight Co., Inc.	CHD	Household and Personal Products	\$16,192	\$930	\$1,842	11.4%	16.9%	16.4%	0.5%	233
84 Ray	mond James Financial, Inc.	RJF	Diversified Financials	\$10,364	\$609	\$830	8.0%	16.9%	12.9%	3.6%	NA

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Rank	Company Name	Ticker	Industry	Market Capitalization	\$ Total Dividends	\$ Total Buyback	\$ Total Buyback / Market Cap	Buyback ROI	Buyback Strategy	Buyback Effectiveness	BuyBack ROI Ranking in 2018 Report
	Average Median			\$50,296 \$19,952	\$4,159 \$1,403	\$7,730 \$3,230	19.2% 16.1%	8.3% 8.1%	10.4% 10.6%	-2.0% -1.3%	
85	Gartner, Inc.	IT	Software and Services	\$11,620	\$0	\$1,302	11.2%	16.9%	18.0%	-0.9%	134
86	Abbott Laboratories	ABT	Health Care Equipment and Services	\$127,036	\$8,147	\$5,309	4.2%	16.8%	16.3%	0.4%	188
87	Valero Energy Corporation	VLO	Energy	\$31,810	\$4,991	\$8,341	26.2%	16.8%	19.5%	-2.3%	85
	Deere & Company	DE	Capital Goods	\$47,521	\$3,961	\$6,338	13.3%	16.5%	14.3%	1.9%	117
89	Ulta Beauty, Inc.	ULTA	Retailing	\$14,522	\$0	\$1,552	10.7%	16.5%	18.7%	-1.9%	240
90	Walmart Inc.	WMT	Food and Staples Retailing	\$270,625	\$30,921	\$29,131	10.8%	16.4%	7.2%	8.6%	169
91	Aon plc	AON	Insurance	\$35,009	\$1,687	\$8,984	25.7%	16.3%	15.7%	0.5%	106
92	Huntington Ingalls Industries, Inc.	HII	Capital Goods	\$8,175	\$475	\$1,842	22.5%	16.0%	24.5%	-6.8%	16
93	Analog Devices, Inc.	ADI	Semiconductors and Semiconductor Equipment	\$31,771	\$2,836	\$1,364	4.3%	16.0%	15.0%	0.8%	75
94	Avery Dennison Corporation	AVY	Materials	\$7,789	\$699	\$1,328	17.1%	16.0%	17.5%	-1.3%	27
95	The TJX Companies, Inc.	TJX	Retailing	\$55,171	\$3,348	\$9,291	16.8%	15.8%	12.3%	3.2%	255
96	Fidelity National Information Services, Inc.	FIS	Software and Services	\$33,584	\$1,727	\$2,290	6.8%	15.8%	17.9%	-1.7%	107
97	HP Inc.	HPQ	Technology Hardware and Equipment	\$31,784	\$4,719	\$10,595	33.3%	15.7%	18.3%	-2.2%	109
98	The Sherwin-Williams Company	SHW	Materials	\$36,647	\$1,339	\$3,137	8.6%	15.7%	18.3%	-2.2%	95
99	Dollar General Corporation	DG	Retailing	\$28,413	\$1,129	\$4,677	16.5%	15.6%	14.1%	1.4%	208
100	NIKE, Inc.	NKE	Consumer Durables and Apparel	\$117,742	\$5,359	\$17,681	15.0%	15.5%	15.7%	-0.2%	221
101	Pfizer Inc.	PFE	Pharmaceuticals, Biotechnology and Life Sciences	\$252,318	\$0	\$32,035	12.7%	15.4%	11.2%	3.8%	229
102	Raytheon Company	RTN	Capital Goods	\$43,640	\$3,833	\$4,782	11.0%	15.4%	19.0%	-3.1%	35
103	Lockheed Martin Corporation	LMT	Capital Goods	\$74,474	\$8,749	\$8,363	11.2%	15.3%	20.8%	-4.6%	39
104	HollyFrontier Corporation	HFC	Energy	\$8,835	\$1,597	\$1,419	16.1%	15.2%	10.8%	4.0%	NA
105	Moody's Corporation	MCO	Diversified Financials	\$26,833	\$1,421	\$3,726	13.9%	15.2%	17.1%	-1.6%	90
	Ingersoll-Rand Plc	IR	Capital Goods	\$22,411	\$1,826	\$3,792	16.9%	15.0%	14.4%	0.5%	146
107	The Clorox Company	CLX	Household and Personal Products	\$19,676	\$1,972	\$1,442	7.3%	14.9%	14.7%	0.2%	190
	Lowe's Companies, Inc.	LOW	Retailing	\$74,161	\$5,643	\$17,654	23.8%	14.8%	16.7%	-1.6%	154
109	Maxim Integrated Products, Inc.	MXIM	Semiconductors and Semiconductor Equipment	\$14,089	\$1,874	\$1,504	10.7%	14.6%	16.2%	-1.4%	NA
	FLIR Systems, Inc.	FLIR	Technology Hardware and Equipment	\$6,024	\$355	\$605	10.0%	14.5%	12.3%	2.0%	151
111	Expeditors International of Washington, Inc.	EXPD	Transportation	\$11,752	\$713	\$2,648	22.5%	14.4%	11.6%	2.5%	183
	FleetCor Technologies, Inc.	FLT	Software and Services	\$16,464	\$0	\$1,549	9.4%	14.4%	11.2%	2.9%	NA
	Celanese Corporation	CE	Materials	\$12,034	\$877	\$2,125	17.7%	14.3%	14.2%	0.2%	NA
114	Kohl's Corporation	KSS	Retailing	\$10,955	\$1,796	\$3,048	27.8%	14.2%	9.1%	4.7%	294
	KLA-Tencor Corporation		Semiconductors and Semiconductor Equipment	\$13,699	\$1,718	\$1,818	13.3%	14.0%	16.2%	-1.9%	47
	SBA Communications Corporation	SBAC	Real Estate	\$18,346	\$0	\$2,646	14.4%	13.9%	13.6%	0.2%	48
	AbbVie Inc.	ABBV	Pharmaceuticals, Biotechnology and Life Sciences	\$138,674	\$19,359	\$27,696	20.0%	13.8%	16.4%	-2.2%	NA
118	Ball Corporation	BLL	Materials	\$15,596	\$494	\$1,483	9.5%	13.8%	14.9%	-0.9%	189
	Amphenol Corporation	APH	Technology Hardware and Equipment	\$24,414	\$893	\$2,667	10.9%	13.8%	16.8%	-2.6%	73
	Hasbro, Inc.	HAS	Consumer Durables and Apparel	\$10,279	\$1,278	\$1,212	11.8%	13.7%	15.7%	-1.8%	103
	F5 Networks, Inc.	FFIV	Technology Hardware and Equipment	\$9,823	\$0	\$3,059	31.1%	13.7%	15.0%	-1.2%	269
	Marsh & McLennan Companies, Inc.	MMC	Insurance	\$40,171	\$3,248	\$4,543	11.3%	13.7%	14.8%	-1.0%	105
	Honeywell International Inc.	HON	Capital Goods	\$97,807	\$9,542	\$11,776	12.0%	13.7%	14.1%	-0.4%	104
	Comerica Incorporated	CMA	Banks	\$11,107	\$879	\$2,713	24.4%	13.6%	14.5%	-0.8%	61
	Jacobs Engineering Group Inc.	JEC	Capital Goods	\$8,321	\$174	\$945	11.4%	13.6%	3.3%	10.0%	173
	Marathon Petroleum Corporation		Energy	\$40.767	\$3,583	\$8.952	22.0%	13.6%	15.1%		163

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ank	Company Name	Ticker	Industry	Market Capitalization	\$ Total Dividends	\$ Total Buyback	\$ Total Buyback / Market Cap	Buyback ROI	Buyback Strategy	Buyback Effectiveness	BuyBack ROI Ranking in 201 Report
Average Median		'		\$50,296 \$19,952	\$4,159 \$1,403	\$7,730 \$3,230	19.2% 16.1%	8.3% 8.1%	10.4% 10.6%	-2.0% -1.3%	
27 Intel Corpoi	ration	INTC	Semiconductors and Semiconductor Equipment	\$214,189	\$24,503	\$31,919	14.9%	13.2%	17.5%	-3.7%	138
28 Aflac Incorp		AFL	Insurance	\$34,684	\$3,422	\$6,601	19.0%	13.2%	8.8%	4.0%	158
29 Marriott Int		MAR	Consumer Services	\$37,033	\$1,875	\$10,220	27.6%	12.9%	21.9%	-7.4%	38
30 V.F. Corpora	ation	VFC	Consumer Durables and Apparel	\$28,308	\$2,618	\$3,695	13.1%	12.8%	10.4%	2.2%	205
31 Baxter Inter	rnational Inc.	BAX	Health Care Equipment and Services	\$35,026	\$2,580	\$2,384	6.8%	12.8%	15.1%	-2.0%	140
32 Garmin Ltd.		GRMN	Consumer Durables and Apparel	\$11,955	\$1,899	\$602	5.0%	12.6%	10.8%	1.7%	196
33 W.W. Grain		GWW		\$15,903	\$1,479	\$3,806	23.9%	12.6%	4.9%	7.4%	301
	erica Corporation	BAC	Banks	\$241,822	\$3,337	\$42,069	17.4%	12.5%	14.3%	-1.5%	46
	xpress Company	AXP	Diversified Financials	\$81,428	\$1,309	\$19,492	23.9%	12.5%	6.5%	5.6%	206
	lical Systems, Inc.	VAR	Health Care Equipment and Services	\$10,330	\$0	\$1,796	17.4%	12.5%	11.1%	1.2%	171
37 AMETEK, In		AME	Capital Goods	\$15,714	\$461	\$1,392	8.9%	12.2%	9.0%	3.0%	145
38 Amgen Inc.	<u>. </u>		Pharmaceuticals, Biotechnology and Life Sciences	\$124,047	\$14,117	\$26,902	21.7%	12.0%	14.1%	-1.8%	184
39 Evergy, Inc.		EVRG	Utilities	\$14,956	\$1,322	\$1,043	7.0%	12.0%	16.7%	-4.1%	NA NA
40 Merck & Co		MRK	Pharmaceuticals, Biotechnology and Life Sciences	\$198,695	\$25,750	\$28,428	14.3%	12.0%	12.5%	-0.5%	260
41 Starbucks C	,	SBUX	Consumer Services	\$79,895	\$6,334	\$18,828	23.6%	11.7%	11.4%	0.2%	239
42 Torchmark	•	TMK	Insurance	\$8,313	\$254	\$1,583	19.0%	11.7%	11.7%	0.0%	115
43 Ecolab Inc.	Corporation	ECL	Materials	\$42,565	\$2,118	\$3,086	7.3%	11.6%	9.2%	2.1%	225
44 The Allstate	Corporation	ALL	Insurance	\$28,461	\$2,585	\$10,244	36.0%	11.6%	13.1%	-1.3%	100
45 Waters Cor		WAT	Pharmaceuticals, Biotechnology and Life Sciences	\$14,289	\$2,383	\$2,646	18.5%	11.5%	13.1%	-1.7%	110
46 Johnson & J	•	JNJ	Pharmaceuticals, Biotechnology and Life Sciences	\$346,109	\$42,999	\$33,697	9.7%	11.5%	11.7%	-0.2%	153
47 T. Rowe Pri			Diversified Financials	\$22,217	\$2,795	\$3,670	16.5%	11.5%	7.7%	3.5%	119
	on Worldwide, Inc.		Transportation	\$11,563	\$1,219	\$1,157	10.5%	11.4%	11.3%	0.0%	212
49 Caterpillar I		CAT	Capital Goods	\$74,985	\$8,958	\$1,157	13.4%	11.4%	12.2%	-0.9%	131
50 SunTrust Ba		STI	Banks	\$22,662	\$8,958 \$266	\$10,062	23.6%	11.2%	13.9%	-0.9%	92
			L Media and Entertainment	\$723,465	\$200	\$5,344	23.0%	11.1%	16.3%	-4.5%	NA
51 Alphabet In											65
	nancial Services Group, Inc.	PNC	Banks	\$53,945	\$5,966	\$10,714	19.9% 19.9%	11.1% 11.1%	13.8%	-2.4% 0.2%	68
53 Rockwell Au	*	ROK	Capital Goods	\$18,099	\$1,917	\$3,602			10.9%		
54 Illinois Tool		ITW	Capital Goods	\$42,036	\$4,165	\$9,883	23.5%	10.9%	13.2%	-2.0%	64
	namics Corporation	GD	Capital Goods	\$46,558	\$4,667	\$11,938	25.6%	10.7%	17.2%	-5.5%	82
	nifin Corporation	PH	Capital Goods	\$19,739	\$1,736	\$3,371	17.1%	10.7%	8.9%	1.6%	93
57 Southwest		LUV	Transportation	\$26,136	\$1,147	\$7,485	28.6%	10.6%	26.0%	-12.2%	28
58 Tractor Sup		TSCO	Retailing	\$10,185	\$590	\$1,653	16.2%	10.6%	5.9%	4.4%	314
59 Dover Corp		DOV	Capital Goods	\$10,382	\$1,214	\$1,598	15.4%	10.5%	8.4%	1.9%	199
60 Medtronic		MDT	Health Care Equipment and Services	\$122,163	\$10,645	\$13,593	11.1%	10.4%	12.8%	-2.2%	234
61 FedEx Corpo		FDX	Transportation	\$42,114	\$1,730	\$10,411	24.7%	10.3%	10.6%	-0.3%	126
	International Inc.	RHI	Commercial and Professional Services	\$6,828	\$577	\$1,186	17.4%	10.2%	11.2%	-0.9%	231
63 Assurant, In	nc.	AIZ	Insurance	\$5,550	\$550	\$1,899	34.2%	10.1%	12.1%	-1.8%	132
64 Linde plc		LIN	Materials	\$87,094	\$4,047	\$1,829	2.1%	9.7%	7.5%	2.1%	NA
	ansport Services, Inc.	JBHT	Transportation	\$10,158	\$496	\$1,074	10.6%	9.7%	8.3%	1.2%	165
66 Delta Air Lir	*	DAL	Transportation	\$34,083	\$2,759	\$9,153	26.9%	9.6%	17.0%	-6.3%	192
67 3M Compar	ny	MMM	Capital Goods	\$110,949	\$13,451	\$21,581	19.5%	9.6%	12.0%	-2.2%	99
68 Royal Caribl	bean Cruises Ltd.	RCL	Consumer Services	\$20,438	\$1,791	\$1,536	7.5%	9.6%	23.2%	-11.1%	NA

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	Average Median			\$50,296 \$19,952	\$4,159 \$1,403	\$7,730 \$3,230	19.2% 16.1%	8.3% 8.1%	10.4% 10.6%	-2.0% -1.3%	
169	The AES Corporation	AES	Utilities	\$9,577	\$1,300	\$597	6.2%	9.6%	4.5%	4.8%	303
170	Northern Trust Corporation	NTRS	Diversified Financials	\$18,506	\$1,720	\$2,836	15.3%	9.4%	12.5%	-2.7%	144
171	Verizon Communications Inc.	VZ	Telecommunication Services	\$232,302	\$44,847	\$5,134	2.2%	9.4%	7.7%	1.5%	261
172	United Rentals, Inc.	URI	Capital Goods	\$8,315	\$0	\$2,803	33.7%	9.3%	12.4%	-2.8%	41
173	Everest Re Group, Ltd.	RE	Insurance	\$8,852	\$940	\$1,452	16.4%	9.2%	9.7%	-0.5%	166
174	Booking Holdings Inc.	BKNG	Retailing	\$79,799	\$0	\$12,650	15.9%	9.2%	10.5%	-1.2%	120
175	Tiffany & Co.	TIF	Retailing	\$9,814	\$1,120	\$972	9.9%	9.0%	6.2%	2.7%	170
176	Brown-Forman Corporation	BF.B	Food, Beverage and Tobacco	\$22,667	\$1,381	\$2,337	10.3%	8.9%	12.0%	-2.8%	193
177	United Technologies Corporation	UTX	Capital Goods	\$91,933	\$9,521	\$14,772	16.1%	8.7%	5.3%	3.3%	223
178	Electronic Arts Inc.	EA	Media and Entertainment	\$23,841	\$0	\$3,721	15.6%	8.5%	30.8%	-17.0%	15
179	Phillips 66	PSX	Energy	\$39,726	\$6,347	\$11,071	27.9%	8.5%	11.0%	-2.3%	195
180	Constellation Brands, Inc.	STZ	Food, Beverage and Tobacco	\$30,558	\$1,375	\$2,877	9.4%	8.4%	25.3%	-13.5%	3
181	Apartment Investment and Management Company	AIV	Real Estate	\$6,830	\$1,005	\$374	5.5%	8.3%	14.3%	-5.3%	NA
182	Quest Diagnostics Incorporated	DGX	Health Care Equipment and Services	\$11,331	\$1,087	\$1,744	15.4%	8.1%	11.8%	-3.4%	177
	TE Connectivity Ltd.	TEL	Technology Hardware and Equipment	\$25,944	\$2,635	\$6,190	23.9%	8.1%	10.1%	-1.8%	81
184	Fifth Third Bancorp	FITB	Banks	\$15,427	\$2,144	\$5,223	33.9%	8.1%	8.7%	-0.6%	125
185	Duke Energy Corporation	DUK	Utilities	\$61,521	\$11,741	\$1,500	2.4%	8.1%	8.6%	-0.5%	218
	Morgan Stanley	MS	Diversified Financials	\$68,204	\$0	\$18,022	26.4%	8.1%	9.9%	-1.7%	55
	The Travelers Companies, Inc.	TRV	Insurance	\$31,720	\$3,824	\$11,789	37.2%	7.9%	9.9%	-1.8%	179
188	The Coca-Cola Company	КО	Food, Beverage and Tobacco	\$201,546	\$26,943	\$16,406	8.1%	7.9%	7.3%	0.5%	244
	AutoZone, Inc.	AZO	Retailing	\$21,130	\$0	\$6,692	31.7%	7.8%	12.3%	-4.0%	275
	A. O. Smith Corporation	AOS	Capital Goods	\$7,257	\$433	\$712	9.8%	7.8%	13.7%		25
	PepsiCo, Inc.	PEP	Food, Beverage and Tobacco	\$155,950	\$978	\$17,390	11.2%	7.8%	9.4%		213
	Eaton Corporation plc	ETN	Capital Goods	\$29,757	\$5,209	\$4,247	14.3%	7.8%	4.4%	3.3%	180
	Stanley Black & Decker, Inc.	SWK	Capital Goods	\$18,088	\$1,639	\$1,600	8.8%	7.7%	11.0%		
	Comcast Corporation		A Media and Entertainment	\$154,911	\$13,527	\$27,108	17.5%	7.7%	10.6%	-2.7%	186
	Expedia Group, Inc.	EXPE	Retailing	\$16,782	\$705	\$2,375	14.2%	7.6%	16.3%	-7.5%	127
	Willis Towers Watson Public Limited Company		Insurance	\$19,732	\$1,269	\$2,063	10.5%	7.6%	7.1%	0.5%	123
	Huntington Bancshares Incorporated	HBAN	Banks	\$12,653	\$1,467	\$1,850	14.6%	7.6%	11.9%	-3.8%	159
	Host Hotels & Resorts, Inc.	HST	Real Estate	\$12,370	\$2,886	\$894	7.2%	7.6%	4.6%	2.8%	203
	Emerson Electric Co.	EMR	Capital Goods	\$37,413	\$5,866	\$5,486	14.7%	7.4%	3.4%	3.9%	249
	Qorvo, Inc.			\$7,585	\$0	\$2,240	29.5%	7.3%	25.7%	-14.7%	NA NA
	Laboratory Corporation of America Holdings	LH	Health Care Equipment and Services	\$12,750	\$0	\$1,446	11.3%	7.2%	9.4%		198
	U.S. Bancorp	USB	Banks	\$73,855	\$9,333	\$12,399	16.8%	7.1%	8.6%		191
	Carnival Corporation	CCL	Consumer Services	\$34,243	\$5,011	\$4,893	14.3%	7.1%	13.1%		77
	The Walt Disney Company	DIS	Media and Entertainment	\$163,233	\$11,844	\$31,348	19.2%	6.8%	12.1%	-4.7%	247
	Discover Financial Services	DFS	Diversified Financials	\$19,815	\$1,080	\$9,333	47.1%	6.8%	7.7%	-0.8%	216
	Equifax Inc.	EFX	Commercial and Professional Services	\$11,229	\$793	\$655	5.8%	6.8%	11.7%	-4.4%	197
	Cummins Inc.	CMI	Capital Goods	\$21,390	\$3,229	\$3,939	18.4%	6.7%	4.1%	2.6%	129
	BB&T Corporation	BBT	Banks	\$33,383	\$4,554	\$3,918	11.7%	6.6%	9.8%	-3.0%	185
	Oracle Corporation	ORCL	Software and Services	\$162,040	\$13,102	\$58,680	36.2%	6.5%	8.4%	-1.8%	217
	PulteGroup, Inc.	PHM	Consumer Durables and Apparel	\$7.300	\$13,102	\$2,518	34.5%	6.4%	8.5%		45
210	r utteoroup, iilc.	FIIIVI	consumer burables and Apparer	71,500	2,33	22,310	34.3%	0.476	0.5%	-1.9%	

Source: Fortuna Advisors Analysis using data from the Capital IQ database.

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Rank	Company Name	Ticker	Industry	Market Capitalization	\$ Total Dividends	\$ Total Buyback	\$ Total Buyback / Market Cap	Buyback ROI	Buyback Strategy	Buyback Effectiveness	BuyBack ROI Ranking in 2018 Report
Average Median				\$50,296 \$19,952	\$4,159 \$1,403	\$7,730 \$3,230	19.2% 16.1%	8.3% 8.1%	10.4% 10.6%	-2.0% -1.3%	
211 Cogniza	nt Technology Solutions Corporation	CTSH	Software and Services	\$36,757	\$733	\$4,370	11.9%	6.4%	9.2%	-2.5%	118
212 The Ban	k of New York Mellon Corporation	BK	Diversified Financials	\$46,542	\$4,251	\$12,377	26.6%	6.4%	10.3%	-3.6%	148
213 Lincoln I	National Corporation	LNC	Insurance	\$10,960	\$1,119	\$3,854	35.2%	6.3%	6.7%	-0.4%	88
214 The Pro	cter & Gamble Company	PG	Household and Personal Products	\$229,010	\$0	\$22,469	9.8%	6.2%	5.2%	1.0%	250
215 Textron	Inc.	TXT	Capital Goods	\$11,174	\$103	\$3,165	28.3%	6.2%	13.1%	-6.1%	160
216 Aptiv PL	С	APTV	Automobiles and Components	\$16,222	\$1,447	\$3,874	23.9%	6.2%	9.9%	-3.4%	133
217 Applied	Materials, Inc.	AMAT	Semiconductors and Semiconductor Equipment	\$31,385	\$2,523	\$10,785	34.4%	6.1%	16.4%	-8.9%	2
218 Capital 0	One Financial Corporation	COF	Diversified Financials	\$35,804	\$3,475	\$9,231	25.8%	6.0%	6.0%	0.1%	215
219 Chubb L		СВ	Insurance	\$59,527	\$5,542	\$4,032	6.8%	5.9%	8.1%	-2.0%	167
220 BlackRo	ck, Inc.	BLK	Diversified Financials	\$62,331	\$7,297	\$7,582	12.2%	5.9%	9.1%	-3.0%	113
221 Quanta	Services, Inc.	PWR	Capital Goods	\$4,410	\$0	\$2,235	50.7%	5.8%	1.9%	3.8%	142
	rpublic Group of Companies, Inc.	IPG	Media and Entertainment	\$7,929	\$1,195	\$1,390	17.5%	5.8%	9.2%	-3.1%	268
223 Juniper	· · · · · · · · · · · · · · · · · · ·	JNPR	Technology Hardware and Equipment	\$9,288	\$795	\$5,222	56.2%	5.8%	8.5%	-2.5%	257
224 Target C		TGT	Retailing	\$34,488	\$6,588	\$10,359	30.0%	5.7%	7.3%	-1.4%	318
	Parts Company	GPC	Retailing	\$14,092	\$1,914	\$883	6.3%	5.7%	7.1%	-1.3%	274
	Biomet Holdings, Inc.	ZBH	Health Care Equipment and Services	\$21,156	\$880	\$995	4.7%	5.6%	6.3%	-0.6%	NA
227 IHS Mar		INFO	Commercial and Professional Services	\$18,908	\$0	\$3,038	16.1%	5.5%	-14.7%	23.7%	NA
	roperty Group, Inc.	SPG	Real Estate	\$51,961	\$10,201	\$1,373	2.6%	5.5%	8.4%	-2.7%	320
229 Biogen I		BIIB	Pharmaceuticals, Biotechnology and Life Sciences	\$60,630	\$0	\$12,605	20.8%	5.4%	6.0%	-0.6%	241
230 Hologic,		HOLX	Health Care Equipment and Services	\$11,887	\$0	\$951	8.0%	5.4%	13.2%	-6.9%	NA
,	ec Corporation		Software and Services	\$12,072	\$1,218	\$3,170	26.3%	5.4%	3.9%	1.4%	62
	shey Company	HSY	Food, Beverage and Tobacco	\$22,487	\$2,505	\$2,301	10.2%	5.3%	4.5%	0.7%	237
233 Citigrou		C	Banks	\$127,138	\$1,366	\$42,499	33.4%	5.1%	5.6%	-0.4%	79
234 Henry S	•	HSIC	Health Care Equipment and Services	\$11,969	\$1,300	\$1,890	15.8%	5.1%	8.5%	-3.2%	273
	ial Financial, Inc.	PRU	Insurance	\$33,680	\$6,261	\$7,533	22.4%	5.1%	4.7%	0.4%	130
236 KeyCorp		KEY	Banks	\$15,290	\$1,705	\$2,832	18.5%	4.8%	9.2%	-4.0%	161
237 Wabtec		WAB	Capital Goods	\$6,787	\$1,703	\$673	9.9%	4.8%	5.8%	-0.9%	NA NA
238 CarMax	•	KMX	Retailing	\$10,776	\$107	\$3,802	35.3%	4.7%	6.1%	-1.3%	202
	rise Financial, Inc.	AMP	Diversified Financials	\$10,776	\$2,367	\$8,140	56.0%	4.7%	6.5%	-1.5%	101
240 Nucor C		NUE	Materials	\$16,265	\$2,307	\$1,072	6.6%	4.7%	5.8%	-1.7%	NA
	•										162
	Motors Company	GM MNST	Automobiles and Components	\$47,211 \$27,217	\$8,436 \$0	\$13,979 \$4,772	29.6% 17.5%	4.7% 4.6%	2.1% 22.5%	2.5% -14.6%	136
	r Beverage Corporation		Food, Beverage and Tobacco		\$433		22.9%	4.6%	0.3%	4.3%	227
243 Loews C	<u> </u>	L	Insurance	\$14,277		\$3,263					227
	lorris International Inc.	PM	Food, Beverage and Tobacco	\$103,780	\$32,068	\$3,881	3.7%	4.5%	3.7%	0.8%	
	re Hathaway Inc.	BRK.A	Diversified Financials	\$502,600	\$0	\$1,346	0.3%	4.5%	12.5%	-7.2%	NA 226
	Parcel Service, Inc.	UPS	Transportation	\$83,800	\$13,316	\$10,899	13.0%	4.4%	5.0%	-0.5%	226
	ens Boots Alliance, Inc.	WBA	Food and Staples Retailing	\$64,466	\$7,634	\$14,238	22.1%	4.4%	8.0%	-3.4%	309
	IBasell Industries N.V.	LYB	Materials	\$31,905	\$7,177	\$16,102	50.5%	4.4%	7.3%	-2.7%	209
	Daniels-Midland Company	ADM	Food, Beverage and Tobacco	\$22,970	\$3,500	\$5,050	22.0%	4.3%	5.7%	-1.3%	296
	al Health Services, Inc.	UHS	Health Care Equipment and Services	\$10,783	\$184	\$1,426	13.2%	4.3%	9.8%	-5.1%	313
251 Kansas (· ·	KSU	Transportation	\$9,707	\$360	\$999	10.3%	4.2%	-2.0%	6.3%	178
252 Martin I	Marietta Materials, Inc.	MLM	Materials	\$10,778	\$529	\$1,013	9.4%	4.1%	13.7%	-8.4%	139

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253 Mondelez	International, Inc.	MDLZ	Food, Beverage and Tobacco	\$58,197	\$5,623	\$12,117	20.8%	4.0%	7.0%	-2.8%	267
254 The Hartfo	ord Financial Services Group, Inc.	HIG	Insurance	\$15,946	\$1,504	\$4,809	30.2%	4.0%	7.5%	-3.2%	147
255 DowDuPo	nt Inc.	DWDP	Materials	\$122,696	\$8,095	\$11,988	9.8%	3.9%	10.3%	-5.8%	NA
256 TripAdviso	or, Inc.	TRIP	Media and Entertainment	\$7,426	\$0	\$619	8.3%	3.8%	-7.5%	12.2%	351
257 Snap-on Ir	ncorporated	SNA	Capital Goods	\$8,090	\$744	\$883	10.9%	3.7%	10.6%	-6.3%	214
258 Akamai Te	echnologies, Inc.	AKAM	Software and Services	\$9,948	\$0	\$2,329	23.4%	3.6%	7.1%	-3.2%	292
259 The Kroge	er Co.	KR	Food and Staples Retailing	\$21,938	\$2,032	\$7,395	33.7%	3.5%	8.6%	-4.7%	317
260 Chevron C	Corporation	CVX	Energy	\$207,873	\$40,586	\$6,024	2.9%	3.2%	3.2%	0.0%	272
261 M&T Bank	k Corporation	MTB	Banks	\$20,089	\$2,156	\$4,042	20.1%	3.2%	9.4%	-5.7%	66
262 Alaska Air	Group, Inc.	ALK	Transportation	\$7,503	\$612	\$1,171	15.6%	2.9%	14.4%	-10.0%	204
263 The Goldn	nan Sachs Group, Inc.	GS	Diversified Financials	\$62,138	\$1,523	\$30,217	48.6%	2.7%	5.5%	-2.6%	164
264 Altria Gro	up, Inc.	MO	Food, Beverage and Tobacco	\$92,806	\$22,805	\$7,113	7.7%	2.7%	14.1%	-10.0%	149
265 Masco Co	rporation	MAS	Capital Goods	\$8,933	\$607	\$2,173	24.3%	2.6%	12.2%	-8.6%	57
266 Zions Band	corporation, National Association	ZION	Banks	\$7,830	\$118	\$1,120	14.3%	2.4%	11.2%	-7.9%	NA
267 Omnicom	Group Inc.	OMC	Media and Entertainment	\$16,413	\$2,534	\$3,542	21.6%	2.4%	4.4%	-1.9%	280
268 Kimberly-0	Clark Corporation	KMB	Household and Personal Products	\$39,458	\$6,584	\$5,250	13.3%	2.4%	5.4%	-2.9%	259
269 WestRock	Company	WRK	Materials	\$9,534	\$1,419	\$861	9.0%	2.3%	2.1%	0.2%	NA
270 The Weste	ern Union Company	WU	Software and Services	\$7,554	\$1,561	\$2,426	32.1%	2.3%	4.1%	-1.8%	246
271 Albemarle	Corporation	ALB	Materials	\$8,185	\$570	\$832	10.2%	2.2%	9.0%	-6.2%	84
272 Tyson Foo	ods, Inc.	TSN	Food, Beverage and Tobacco	\$19,525	\$1,326	\$3,945	20.2%	1.8%	15.4%	-11.8%	63
273 Seagate Te	echnology plc	STX	Technology Hardware and Equipment	\$11,045	\$3,319	\$3,630	32.9%	1.6%	2.1%	-0.5%	302
274 Nordstron		JWN	Retailing	\$7,799	\$1,284	\$3,000	38.5%	1.4%	2.7%	-1.3%	328
275 PVH Corp.		PVH	Consumer Durables and Apparel	\$7,040	\$61	\$1,056	15.0%	1.4%	-2.0%	3.4%	143
	arch Corporation		Semiconductors and Semiconductor Equipment	\$21,131	\$1,200	\$6,027	28.5%	1.4%	23.8%	-18.1%	5
277 Kellogg Co	ompany	K	Food, Beverage and Tobacco	\$19,784	\$3,593	\$2,683	13.6%	1.3%	4.0%	-2.6%	287
278 eBay Inc.	• •		Retailing	\$27,027	\$0	\$14,757	54.6%	1.2%	5.8%	-4.4%	156
279 Amerisour	rceBergen Corporation	ABC	Health Care Equipment and Services	\$15,768	\$1,441	\$6,113	38.8%	1.1%	6.7%	-5.3%	293
280 PPG Indus		PPG	Materials	\$24,523	\$1,929	\$4,903	20.0%	1.0%	4.4%	-3.2%	232
	ries Holdings, Inc.	CF	Materials	\$10,042	\$1,378	\$2,963	29.5%	1.0%	4.5%	-3.3%	304
282 AT&T Inc.	•	Т	Telecommunication Services	\$207,714	\$56,997	\$3,470	1.7%	1.0%	2.9%	-1.8%	258
283 State Stre	et Corporation	STT	Diversified Financials	\$23,937	\$568	\$7,093	29.6%	1.0%	2.3%	-1.3%	172
284 Wells Farg			Banks	\$216,910	\$36,952	\$57,986	26.7%	1.0%	6.4%		236
	Financial Group, Inc.	PFG	Insurance	\$12,502	\$2,421	\$1,693	13.5%	0.7%	3.8%	-3.0%	96
	nal Paper Company	IP	Materials	\$16,347	\$2,892	\$2,109	12.9%	0.7%	3.2%	-2.4%	210
	Petroleum Corporation		Energy	\$22,108	\$1,802	\$3,980	18.0%	0.5%	-8.0%	9.2%	335
288 Foot Locke		FL	Retailing	\$6,006	\$728	\$2,016	33.6%	0.5%	8.7%	-7.6%	338
289 Capri Holo		CPRI	Consumer Durables and Apparel	\$5,785	\$0	\$3,221	55.7%	0.2%	-8.6%	9.6%	NA
290 Skyworks			Semiconductors and Semiconductor Equipment	\$11,898	\$890	\$2,636	22.2%	0.2%	25.5%	-20.2%	23
	Chemical Company		Materials	\$10,238	\$1,334	\$1,433	14.0%	0.0%	2.8%	-2.7%	235
	/IM Incorporated		Semiconductors and Semiconductor Equipment	\$68,984	\$15,334	\$44,344	64.3%	0.0%	0.2%	-0.2%	288
293 Discovery,	•		Media and Entertainment	\$17,042	\$0	\$4,407	25.9%	-0.1%	-6.4%	6.8%	348
294 Cerner Co			Health Care Equipment and Services	\$17.278	\$0	\$2.119	12.3%	-0.2%	0.7%		211

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295	Ralph Lauren Corporation	RL	Consumer Durables and Apparel	\$8,322	\$837	\$1,847	22.2%	-0.3%	-5.4%	5.5%	333
296	Exxon Mobil Corporation	XOM	Energy	\$288,703	\$62,910	\$19,573	6.8%	-0.6%	0.2%	-0.8%	291
297	Bristol-Myers Squibb Company	BMY	Pharmaceuticals, Biotechnology and Life Sciences	\$84,842	\$12,612	\$3,020	3.6%	-0.6%	3.7%	-4.2%	155
298	Unum Group	UNM	Insurance	\$6,427	\$928	\$1,887	29.4%	-0.9%	3.4%	-4.2%	89
299	Chipotle Mexican Grill, Inc.	CMG	Consumer Services	\$11,998	\$0	\$1,839	15.3%	-0.9%	-2.3%	1.4%	353
300	Colgate-Palmolive Company	CL	Household and Personal Products	\$51,623	\$6,888	\$7,053	13.7%	-1.2%	1.8%	-3.0%	253
301	Weyerhaeuser Company	WY	Real Estate	\$16,378	\$3,737	\$2,890	17.6%	-1.3%	1.3%	-2.6%	175
302	Broadcom Inc.	AVGO	Semiconductors and Semiconductor Equipment	\$103,561	\$6,906	\$10,771	10.4%	-1.4%	41.2%	-30.1%	NA
303	MetLife, Inc.	MET	Insurance	\$40,520	\$7,842	\$10,221	25.2%	-1.4%	2.2%	-3.5%	222
	CBS Corporation	CBS	Media and Entertainment	\$16,365	\$1,236	\$10,072	61.5%	-1.5%	-0.9%	-0.6%	279
305	Leggett & Platt, Incorporated	LEG	Consumer Durables and Apparel	\$4,674	\$853	\$789	16.9%	-1.7%	8.3%	-9.2%	219
306	Occidental Petroleum Corporation	OXY	Energy	\$46,343	\$11,503	\$4,388	9.5%	-1.8%	-1.3%	-0.5%	315
	Xerox Corporation	XRX	Technology Hardware and Equipment	\$4,708	\$1,427	\$3,073	65.3%	-1.9%	0.6%	-2.4%	278
308	H&R Block, Inc.	HRB	Consumer Services	\$5,214	\$1,019	\$2,469	47.4%	-2.2%	1.9%	-4.1%	323
	The J. M. Smucker Company	SJM	Food, Beverage and Tobacco	\$10,635	\$1,602	\$1,197	11.3%	-2.2%	2.1%	-4.3%	284
	Jefferies Financial Group Inc.	JEF	Diversified Financials	\$5,609	\$0	\$345	6.2%	-2.8%	-5.0%	2.3%	NA
	Pentair plc	PNR	Capital Goods	\$6,559	\$1,126	\$2,058	31.4%	-2.8%	-1.2%	-1.6%	277
	Charter Communications, Inc.	CHTR	Media and Entertainment	\$65,235	\$0	\$17,733	27.2%	-3.1%	16.4%	-16.7%	NA
	Norwegian Cruise Line Holdings Ltd.	NCLH	Consumer Services	\$9,325	\$0	\$924	9.9%	-3.1%	8.4%	-10.6%	NA
	Regeneron Pharmaceuticals, Inc.	REGN	Pharmaceuticals, Biotechnology and Life Sciences	\$40,385	\$0	\$1,065	2.6%	-3.1%	4.9%	-7.7%	263
	Cabot Oil & Gas Corporation	COG	Energy	\$9,637	\$293	\$1,157	12.0%	-3.3%	-7.1%	4.0%	NA
	CVS Health Corporation	CVS	Health Care Equipment and Services	\$84,730	\$8,474	\$16,864	19.9%	-3.5%	5.1%	-8.2%	305
	BorgWarner Inc.	BWA	Automobiles and Components	\$7,235	\$612	\$1,044	14.4%	-3.6%	-5.1%	1.6%	220
	CenturyLink, Inc.	CTL	Telecommunication Services	\$16,372	\$7,358	\$1,533	9.4%	-3.6%	-1.8%	-1.8%	331
	Flowserve Corporation	FLS	Capital Goods	\$4,975	\$475	\$586	11.8%	-3.7%	-6.2%	2.7%	325
	DaVita Inc.	DVA	Health Care Equipment and Services	\$8,542	\$0	\$3,136	36.7%	-4.4%	1.8%	-6.1%	329
	Johnson Controls International plc	JCI	Capital Goods	\$27,398	\$3,906	\$3,351	12.2%	-5.0%	-2.4%	-2.7%	289
	International Business Machines Corporation	IBM	Software and Services	\$103,303	\$23,222	\$28,206	27.3%	-5.1%	-3.7%	-1.4%	299
	The Gap, Inc.	GPS	Retailing	\$9,826	\$1,861	\$3,088	31.4%	-5.2%	-4.5%	-0.7%	316
	The Mosaic Company	MOS	Materials	\$11,260	\$1,401	\$3,550	31.5%	-5.3%	-4.4%	-1.0%	344 276
	General Mills, Inc.	GIS	Food, Beverage and Tobacco	\$23,237	\$5,447	\$4,903	21.1%	-5.9%	0.1%	-5.9%	
	SL Green Realty Corp.	SLG	Real Estate	\$6,743	\$0	\$1,794	26.6%	-6.0%	2.5%	-8.3%	312
	Hess Corporation	HES	Energy	\$11,998	\$1,286	\$5,341	44.5%	-6.3%	-5.2%	-1.1%	342
	Kimco Realty Corporation	KIM	Real Estate	\$6,173	\$0	\$325	5.3%	-6.3%	-0.8%	-5.6%	NA
	Fluor Corporation	FLR	Capital Goods	\$4,530	\$572	\$1,382	30.5%	-6.6%	-9.4%	3.1%	326 324
	Gilead Sciences, Inc.	GILD	Pharmaceuticals, Biotechnology and Life Sciences	\$80,916	\$10,031	\$30,206	37.3%	-6.7%	1.8% -7.4%	-8.4%	283
	Franklin Resources, Inc.	BEN CAG	Diversified Financials	\$15,194 \$10,373	\$2,059	\$5,364 \$2,020	35.3% 19.5%	-6.9% -6.9%	-7.4% 8.0%	0.5%	283
	Conagra Brands, Inc.		Food, Beverage and Tobacco		\$1,909					-13.7%	327
	Alliance Pata Systems Corporation	ALXN ADS	Pharmaceuticals, Biotechnology and Life Sciences Software and Services	\$21,721 \$8,175	\$0 \$271	\$1,610	7.4% 37.1%	-7.2% -7.4%	-0.3% -3.5%	-6.9% -4.1%	297
	Alliance Data Systems Corporation	AIG	Insurance	\$8,175	\$2/1	\$3,034 \$32,652	93.7%	-7.4% -7.6%	-3.5%	-4.1%	297
	American International Group, Inc. Harley-Davidson, Inc.	HOG	Automobiles and Components	\$34,864	\$5,132	\$32,652	63.1%	-7.6%	-0.9%	-0.4%	308
330	naney-paviusoff, Iffc.	пов	Automobiles and components	\$5,501	\$1,238	\$3,474	03.1%	-8.0%	-1.1%	-0.4%	300

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Median				\$19,952	\$1,403	\$3,230	16.1%	8.1%	10.6%	-1.3%	
337 Fortune I	Brands Home & Security, Inc.	FBHS	Capital Goods	\$5,372	\$450	\$1,706	31.8%	-8.2%	2.1%	-10.1%	141
338 Cardinal	Health, Inc.	CAH	Health Care Equipment and Services	\$13,288	\$2,516	\$3,742	28.2%	-8.5%	-0.9%	-7.7%	311
339 Ford Mot	tor Company	F	Automobiles and Components	\$30,431	\$12,201	\$2,533	8.3%	-8.6%	-7.2%	-1.6%	310
340 National	Oilwell Varco, Inc.	NOV	Energy	\$9,853	\$1,795	\$3,023	30.7%	-9.9%	-12.1%	2.6%	341
341 Campbel	l Soup Company	СРВ	Food, Beverage and Tobacco	\$9,931	\$2,038	\$983	9.9%	-10.0%	0.9%	-10.8%	300
342 Macy's, I	nc.	М	Retailing	\$9,156	\$2,260	\$4,219	46.1%	-10.2%	-4.0%	-6.5%	352
343 Allergan	plc	AGN	Pharmaceuticals, Biotechnology and Life Sciences	\$45,082	\$0	\$18,550	41.1%	-10.5%	1.5%	-11.8%	340
344 McKesso	n Corporation	MCK	Health Care Equipment and Services	\$21,583	\$1,075	\$6,876	31.9%	-10.9%	-3.4%	-7.8%	290
345 Halliburte	on Company	HAL	Energy	\$23,285	\$2,866	\$1,200	5.2%	-11.1%	-6.7%	-4.7%	295
346 Macerich	n Company	MAC	Real Estate	\$6,111	\$2,174	\$1,422	23.3%	-11.4%	1.9%	-13.0%	330
347 Sealed Ai	ir Corporation	SEE	Materials	\$5,467	\$538	\$3,109	56.9%	-11.8%	4.1%	-15.3%	281
348 Invesco L	_td.	IVZ	Diversified Financials	\$6,886	\$2,301	\$1,511	21.9%	-12.4%	-6.9%	-5.9%	238
349 Schlumbe	erger Limited	SLB	Energy	\$49,964	\$11,424	\$6,979	14.0%	-12.6%	-9.2%	-3.8%	322
350 Maratho	n Oil Corporation	MRO	Energy	\$11,920	\$1,504	\$1,730	14.5%	-12.9%	-11.2%	-1.8%	347
351 Celgene	Corporation	CELG	Pharmaceuticals, Biotechnology and Life Sciences	\$44,815	\$0	\$18,331	40.9%	-13.8%	-1.4%	-12.6%	230
352 Nielsen F	Holdings plc	NLSN	Commercial and Professional Services	\$8,282	\$2,166	\$1,762	21.3%	-13.9%	-6.0%	-8.4%	321
353 Hanesbra	ands Inc.	HBI	Consumer Durables and Apparel	\$4,520	\$885	\$1,308	28.9%	-16.4%	0.7%	-17.0%	332
354 Apache C	Corporation	APA	Energy	\$9,963	\$1,788	\$2,169	21.8%	-16.5%	-14.6%	-2.2%	345
355 Newell B	rands Inc.	NWL	Consumer Durables and Apparel	\$8,678	\$1,306	\$2,235	25.8%	-17.0%	-5.7%	-12.0%	271
356 Mattel, Ir	nc.	MAT	Consumer Durables and Apparel	\$3,448	\$1,860	\$177	5.1%	-17.3%	-18.4%	1.3%	346
357 Viacom II	nc.	VIAB	Media and Entertainment	\$10,458	\$1,822	\$3,356	32.1%	-17.3%	-15.8%	-1.8%	350
358 Coty Inc.		COTY	Household and Personal Products	\$4,927	\$1,097	\$1,705	34.6%	-18.5%	-8.3%	-11.1%	NA
359 DENTSPL	Y SIRONA Inc.	XRAY	Health Care Equipment and Services	\$8,281	\$299	\$1,742	21.0%	-18.8%	-4.4%	-15.1%	245
360 Mylan N.	.V.	MYL	Pharmaceuticals, Biotechnology and Life Sciences	\$14,128	\$0	\$1,094	7.7%	-18.9%	-4.6%	-14.9%	282
361 Whirlpoo	ol Corporation	WHR	Consumer Durables and Apparel	\$6,819	\$1,405	\$2,703	39.6%	-21.1%	-2.8%	-18.8%	266
362 Facebool	k, Inc.	FB	Media and Entertainment	\$376,725	\$0	\$21,388	5.7%	-22.4%	23.6%	-37.2%	11
363 Affiliated	Managers Group, Inc.	AMG	Diversified Financials	\$5,132	\$109	\$1,537	29.9%	-22.6%	-10.6%	-13.5%	286
364 Western	Digital Corporation	WDC	Technology Hardware and Equipment	\$10,700	\$2,460	\$3,186	29.8%	-22.9%	-6.3%	-17.6%	262
365 L Brands,	, Inc.	LB	Retailing	\$7,062	\$3,025	\$1,752	24.8%	-23.7%	-8.3%	-16.8%	337
366 Perrigo C	Company plc	PRGO	Pharmaceuticals, Biotechnology and Life Sciences	\$5,264	\$365	\$1,092	20.7%	-24.5%	-14.6%	-11.5%	349
	ighes, a GE company	BHGE	Energy	\$11,038	\$470	\$2,963	26.8%	-25.2%	-6.4%	-20.1%	NA
368 MGM Re	sorts International		Consumer Services	\$12,790	\$513	\$1,611	12.6%	-26.2%	5.6%	-30.1%	NA
369 General I	Electric Company	GE	Capital Goods	\$65,845	\$15,813	\$27,295	41.5%	-35.5%	-15.8%	-23.4%	336
370 Devon Er	nergy Corporation	DVN	Energy	\$10,553	\$1,279	\$3,098	29.4%	-56.2%	-11.8%	-50.4%	NA