



Muhlenkamp & Company, Inc.

Quarterly Letter, January 2018

Fellow Investor,

If you had told us a year ago that the market would rise 20% in 2017, we would have been skeptical. Yet, here we are at the end of the year and the S&P 500 Total Return Index was up 21.83% for 2017. The S&P 500 Index was up 19.42%. (The difference is the Total Return Index includes dividends.) Technology stocks led the charge; health care, consumer discretionary, and industrials also beat the average. Every other sector delivered below-average returns with energy and telecommunication services posting losses for the year. Our performance was quite close to the S&P 500 Index all year. (Please refer to the 12/31/2017 Fact Sheet for our final performance numbers.) Apple, Inc. (AAPL), ON Semiconductor Corporation (ON), and Universal Display Corp. (OLED) contributed the most to our performance this year, while Teva Pharmaceutical Industries (TEVA), Spirit Airlines (SAVE), and Allergan PLC (AGN) were the biggest drags.

Economically speaking, U.S. Gross Domestic Product (GDP) growth during the first three quarters (4th quarter data hasn't come out yet) averaged a little over 2.1%, but 1st quarter was the low quarter, and 3rd quarter was the high quarter—so the trend was up (which has been the case since June 2016). Unemployment is generally low, inflation is low, and most of the economic metrics we keep an eye on are looking benign. If you want more detail on that, we'll refer you to the webcast we did at the end of November.

At a high level, two “big things” are happening. First, the Trump administration and Congress are working to remove legal and regulatory impediments to economic growth. They are obviously not unified in this effort and the process has been, shall we say, contentious. Nonetheless anti-growth regulations have been rolled back to a degree and a new tax law was signed just before Christmas. We think this is the reason Small Business Confidence jumped post-election and remains at a very high level. We think the new tax law and the shift in the regulatory environment are generally positive developments. We think of it in these terms: when businesses are fleeing your borders, it is a HUGE sign that you are doing something wrong. When businesses hire armies of lawyers to avoid taxes instead of simply paying them, it's a sign you are doing something wrong. It's been happening in the U.S. for years now, as companies merge with foreign businesses to shift their headquarters to more welcoming tax and regulation locales or create complicated corporate structures and hold cash overseas to reduce taxes. Erecting barriers to exit was the knee-jerk reaction but it never works. Congress is taking action to address the root causes of businesses leaving the U.S. and we think what they've done will improve the situation. It's also happening at the state level, just look at Illinois as businesses move to Indiana. Illinois hasn't figured this out yet and continues to chase businesses away. Does anybody think Amazon is seriously considering putting its second headquarters in Chicago? We doubt it.

The second “big thing” is the movement of interest rates in the direction of what we think is “normal” and the reduction of assets held by the U.S. Federal Reserve. As you probably know, for two years the Federal Reserve has been gradually raising short-term rates. Allowing rates to rise to where they “should be” relative to inflation is a positive. If they raise rates more than that, it will become a negative. Additionally, this summer the Federal Reserve started executing a plan to gradually reduce the assets they hold on their balance sheet by not reinvesting all of the money they receive when bonds mature. Their plan is to initially reduce their assets by \$10 billion per month ramping that up to \$50 billion per month over time.

Simultaneously, the European Central Bank has announced a reduction in its bond purchase program beginning in January 2018. The Bank of Japan is the only major Central Bank that has not signaled a reduction in its “print and purchase” program. We believe that all the money printed during the last 8 years helped boost asset prices—stocks, bonds, houses. As central banks start slowly withdrawing some of that money, it may well have a reverse effect on asset prices. The Federal Reserve certainly *intends* to draw down their balance sheet slowly enough that markets don't even notice, but they may not succeed in that. We laid



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this out in greater detail during our November webcast, take a look at that or give us a call if you want to have a fuller discussion of our thoughts on this.

As we look forward to 2018 then, we see two “big things” working in opposition to each other as far as the markets are concerned: prospects for improved economic growth is a plus, while a reversal (U.S) or reduction (Europe) of central bank support is a negative. Each of these forces may get traction at different times.

With that as a backdrop, we will continue to search for investment opportunities and put our money to work when we find them.

Until next quarter...

Ron Muhlenkamp and Jeff Muhlenkamp

The comments made by Ron and Jeff Muhlenkamp in this commentary are opinions and are not intended to be investment advice or a forecast of future events.

Central Bank is the entity responsible for overseeing the monetary system for a nation (or group of nations). The central banking system in the U.S. is known as the Federal Reserve (commonly referred to “the Fed”), composed of twelve regional Federal Reserve Banks located in major cities throughout the country. The main tasks of the Fed are to supervise and regulate banks, implement monetary policy by buying and selling U.S. Treasury bonds, and steer interest rates.

S&P 500 Index is a widely recognized, unmanaged index of common stock prices. The S&P 500 Index is weighted by market value and its performance is thought to be representative of the stock market as a whole. One cannot invest directly in an index.

MuhlenkampSMA

All-Cap Value

For the period ended 12/31 /17

Muhlenkamp & Company's All-Cap Value SMA (Separately Managed Account) is designed for investors' accounts over \$100,000. We employ full discretion, applying fundamental analysis.

Investment Objective

We seek to maximize total after-tax return through capital appreciation, and income from dividends and interest, consistent with reasonable risk.

Investment Strategy

We invest in undervalued assets wherever they may be found. Typically, this results in holding a portfolio of companies we believe are materially undervalued by the market. Bonds may be included in the portfolio if they are a good investment.

Investment Process

We start with a bottom-up scan of domestic companies, typically looking at most U.S. companies at least four times per year. We add to that an understanding of the sector dynamics in which companies are operating, an assessment of the business cycle, and a review of macroeconomic conditions.

Our primary screening metric is return on shareholder equity (ROE). We are looking for companies with stable returns that can be purchased cheaply, or for companies with improving returns that have not yet been recognized by the market.

We don't believe that a holding period of "forever" is appropriate in all cases, but are comfortable holding companies as long as they continue to meet expectations.

Investment Risk

We define investment risk as the probability of losing purchasing power over long periods of time, which is quite different from Wall Street's definition of price volatility in very short periods of time. Taxes, inflation, and spending will ALL impact the purchasing power of your assets.



Muhlenkamp & Company, Inc.
Intelligent Investment Management

All-Cap Value Composite Performance (Net of Fees)

	Year to Date	One Year	Annualized			
			Past 3 Years	Past 5 Years	Past 10 Years	Past 15 Years
Return	14.31%	14.31%	1.70%	9.10%	2.70%	6.07%
S&P 500 Total Return*	21.83%	21.83%	11.41%	15.79%	8.50%	9.92%
Consumer Price Index**	2.17%	2.20%	1.46%	1.39%	1.61%	2.07%

* The S&P 500 is a widely recognized, unmanaged index of common stock prices. The figures for the S&P 500 reflect all dividends reinvested but do not reflect any deductions for fees, expenses, or taxes. One cannot invest directly in an index.

** Consumer Price Index (CPI) – As of November 2017 – U.S. CPI Urban Consumers NSA (Non-Seasonally Adjusted), Index. The Consumer Price Index tracks the prices paid by urban consumers for goods and services and is generally accepted as a measure of price inflation. Price inflation affects consumers' purchasing power.

Consolidated performance with dividends and other earnings reinvested. Performance figures reflect the deduction of broker commission expenses and the deduction of investment advisory fees. Such fees are described in Part II of the adviser's Form ADV. The advisory fees and any other expenses incurred in the management of the investment advisory account will reduce the client's return. It should not be assumed that recommendations made in the future will be profitable or will equal the performance of the above accounts. A list of all security recommendations made within the past twelve months is available upon request.

Top Twenty Holdings

Company	Industry	% of Net Asset
Alliance Data Systems Corporation	IT Services	5.24%
ON Semiconductor Corporation	Semiconductors & Semiconductor Equipment	4.94%
Apple Computer Inc.	Technology Hardware, Storage & Peripherals	4.68%
Gilead Sciences, Inc.	Biotechnology	3.97%
Tencent Holdings Ltd. ADR	Internet Software & Services	3.35%
Microchip Technology	Semiconductors & Semiconductor Equipment	3.30%
Microsoft Corporation	Software	3.28%
Hanesbrands, Inc.	Textiles, Apparel & Luxury Goods	3.25%
UnitedHealth Group Inc.	Healthcare Providers & Services	3.22%
DowDuPont, Inc.	Chemicals	3.14%
Celanese Corporation - Series A	Chemicals	3.11%
Biogen Idec Inc.	Biotechnology	3.05%
Annaly Capital Management Inc.	Real Estate Investment Trusts	3.02%
McKesson Corporation	Health Care Providers & Services	2.85%
Lannett Company, Inc.	Pharmaceuticals	2.82%
Federated Investors, Inc. - Class B	Capital Markets	2.61%
SPDR Gold Shares	Exchange Traded Funds	2.47%
PowerShares Buyback Achievers Portfolio	Exchange Traded Funds	2.43%
Autozone Inc.	Specialty Retail	2.36%
Cameco Corporation	Oil, Gas, & Consumable Fuels	2.28%

Composite holdings are subject to change and are not recommendations to buy or sell any security.

Composite Top Twenty Holdings are presented as supplemental information to the fully compliant presentation on the next page.

Return on Equity (ROE) is a company's net income (earnings), divided by the owner's equity in the business (book value).

Portfolio Managers

Ronald H. Muhlenkamp, Portfolio Manager, CFA, has been active in professional investment management since 1968. He is a graduate of both M.I.T. and the Harvard Business School.



SMA Facts

Average Number of Equity Holdings	32
Cash & Cash Equivalents	11.40%
Portfolio Turnover	16.33%‡

‡ Trailing 12 months

SMA Facts are presented as supplemental information.

SMA Information

The All-Cap Value Composite was created in December 2003 and includes fee-paying accounts over \$100,000, full discretion, under management for at least one full quarter which are invested in the All-Cap Value strategy. The composite excludes the Muhlenkamp Fund and any wrap fee account.

Minimum Initial Investment	\$100,000.00
Management Fee*	1% (first \$1 million); 0.5% on the remainder

* May vary by account.



Jeffrey P. Muhlenkamp, Portfolio Manager, CFA, has been active in professional investment management since 2008. He is a graduate of both the United States Military Academy and Chapman University.

Investment Adviser

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Muhlenkamp & Company serves individual and institutional investors through our no-load mutual fund and separately managed accounts.

Muhlenkamp & Company, Inc. All-Cap Value Composite Annual Disclosure Presentation

Year End	Total Firm Assets (USD) (millions)	Composite Assets (USD) (millions)	Number of Accounts	ANNUAL PERFORMANCE			THREE-YEAR ANNUALIZED STANDARD DEVIATION*		
				Composite Gross	Composite Net	S&P 500 Total Return Index	Composite	S&P 500 Total Return Index	Composite Dispersion**
2017	342	40	53	15.25	14.31	21.83	8.70	9.92	2.14
2016	339	39	52	(1.86)	(2.68)	11.96	9.73	10.59	1.17
2015	422	48	67	(4.66)	(5.45)	1.38	10.41	10.47	0.68
2014	541	51	67	10.27	9.37	13.69	9.55	8.97	2.06
2013	585	50	60	35.50	34.39	32.39	11.29	11.94	3.13
2012	491	41	66	11.29	10.34	16.00	12.02	15.09	1.14
2011	555	45	74	(2.84)	(3.67)	2.11	16.60	18.70	0.85
2010	724	59	82	2.96	2.15	15.06			1.45
2009	839	90	107	32.68	31.72	26.46			2.80
2008	759	112	155	(40.53)	(40.94)	(37.00)			1.97
2007	1886	327	289	(7.61)	(8.19)	5.49			3.77
2006	3393	371	337	6.09	5.34	15.79			3.70
2005	3471	287	289	10.04	9.22	4.91			3.38
2004	2261	197	206	24.54	23.56	10.88			3.33
2003	1350	132	167	43.36	42.10	28.68			5.57

The objective of this All-Cap Value Composite is to maximize total after-tax return, consistent with reasonable risk—using a strategy of investing in highly profitable companies, as measured by Return on Equity (ROE), that sell at value prices, as measured by Price-to-Earnings Ratios (P/E).

Muhlenkamp & Company, Inc. (“Muhlenkamp”) claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Muhlenkamp has been independently verified for the periods December 31, 1993 through December 31, 2016 by ACA Performance Services, LLC.

Verification assesses whether (1) the firm has complied with all the composite construction requirements of the GIPS standards on a firm-wide basis and (2) the firm’s policies and procedures are designed to calculate and present performance in compliance with the GIPS standards. The All-Cap Value Composite has been examined for the periods December 31, 1993 through December 31, 2016. The verification and performance examination reports are available upon request.

Muhlenkamp is an independent registered investment advisory firm registered with the Securities and Exchange Commission. The firm’s list of composite descriptions is available upon request.

Returns are based on fully discretionary accounts under management, including those accounts no longer with the firm. Composite may invest in American Depositary Receipts (ADRs).*** Accounts may be shown gross or net of withholding tax on foreign dividends based on the custodian. Past performance is not indicative of future results.

The U.S. dollar is the currency used to express performance. Returns are expressed as percentages and are presented gross and net of management fees and include the reinvestment of all income. Net of fee performance was calculated using actual management fees. The annual Composite dispersion presented is an asset-weighted standard deviation calculated for the accounts in the Composite the entire year. Policies for valuing portfolios, calculating performance, and preparing compliant presentations are available upon request.

* **Three-Year Annualized Standard Deviation** is a measure of volatility, calculated by taking the standard deviation of 36 monthly returns, then multiplying the result by the square root of 12 to annualize it. Since standard deviation measures the dispersion of a set of numbers from its mean, higher results indicate more variation in monthly returns over the trailing three years.

** **Composite Dispersion** is a measure of the similarity of returns among accounts in the Composite. It is the standard deviation of the annual returns for all accounts which were in the Composite for the entire year.

*** **American Depositary Receipts (ADRs)** are shares that trade in U.S. markets, but represent shares of a foreign company. A bank (the depository) purchases a number of the foreign shares and holds them in a trust or similar account; in turn, the bank issues shares tradable in the U.S. that represent an interest in the foreign company. The ratio of ADRs to foreign shares is set by the bank. ADRs do not mitigate currency risk, but can reduce transaction costs and simplify trading compared to buying the local shares in the foreign markets.