

## Jennison Associates LLC

466 Lexington Ave.  
New York, New York 10017

Style: Global Equities  
Sub-Style: Growth-oriented  
Firm AUM: \$173.3 billion  
Firm Strategy AUM: \$1.2 million

Year Founded: 1969  
GIMA Status: Focus  
Firm Ownership: Prudential Financial, Inc.  
Professional-Staff: 225

## PRODUCT OVERVIEW

An opportunistic approach to unconstrained global growth investing  
What we believe:  
Excess returns can be generated by investing in a portfolio of market leading companies with unique business models, positively infecting growth rates, and long duration competitive advantage.  
How we build the portfolio:  
A Concentrated high conviction strategy with an agnostic view to both country and sector: 35-45 holdings allows for a best ideas portfolio. Bottom-up stock selection process based on proprietary fundamental research.  
Disciplined sell process reflecting strict valuation measures.  
Integrated risk management embedded throughout the process. Risk

## TARGET PORTFOLIO CHARACTERISTICS

|                               |                                  |
|-------------------------------|----------------------------------|
| Number of stock holdings:     | 35 to 45                         |
| Average dividend yield:       | —                                |
| P/E ratio:                    | Above the S&P 500                |
| Cash level over market cycle: | 0 to 5%                          |
| Risk (standard deviation):    | Above the S&P 500                |
| Average turnover rate:        | 40 to 60%                        |
| Use ADRs:                     | 35 to 65%                        |
| Capitalization:               | Mega, Large and Medium companies |

## PORTFOLIO'S EQUITY SECTOR WEIGHTINGS \*

|                        | -----06/18----- | 12/17    |          |
|------------------------|-----------------|----------|----------|
| Sector                 | Jennison        | Index*** | Jennison |
| Materials              | 0.00            | 0.00     | 4.90     |
| Industrials            | 0.00            | 0.00     | 1.80     |
| Consumer Discretionary | 0.00            | 0.00     | 28.60    |
| Consumer Staples       | 0.00            | 0.00     | 11.60    |
| Health Care            | 0.00            | 0.00     | 8.00     |
| Financials             | 0.00            | 0.00     | 3.10     |
| Information Technology | 0.00            | 0.00     | 42.00    |

## PORTFOLIO STATISTICS

|                                    | -----06/18----- | 12/17    |          |
|------------------------------------|-----------------|----------|----------|
|                                    | Jennison        | Index*** | Jennison |
| Number of stock holdings           | 33              | —        | —        |
| Wtd avg dividend yield             | —               | —        | —        |
| Wtd avg P/E ratio <sup>1</sup>     | 40.20x          | —        | —        |
| Wtd avg portfolio beta             | 1.30            | —        | —        |
| Mega capitalization <sup>+</sup>   | 46.3%           | 0.0%     | 0.0%     |
| Large capitalization <sup>+</sup>  | 46.0%           | 0.0%     | 0.0%     |
| Medium capitalization <sup>+</sup> | 7.7%            | 0.0%     | 0.0%     |
| Small capitalization <sup>+</sup>  | 0.0%            | 0.0%     | 0.0%     |
| Micro capitalization <sup>+</sup>  | 0.0%            | 0.0%     | 0.0%     |

## PORTFOLIO'S TOP FIVE EQUITY HOLDINGS

|                           | %   |
|---------------------------|-----|
| Tencent Holdings Ltd      | 6.9 |
| Alibaba Group Holding Ltd | 6.7 |
| Amazon.com Inc            | 5.4 |
| MercadoLibre Inc          | 5.0 |
| Netflix Inc               | 5.0 |

## % PROCESS BASED ON

- 0 Asset allocation - cash vs. stock
- 0 Industry or sector weighting
- 0 Stock Selection

## MANAGER'S INVESTMENT STRATEGY

- ☐ Top-down / portfolio structures based on economic trends
- ☒ Bottom-up / portfolio structure based on individual securities

<sup>1</sup>The P/E used here is calculated by the harmonic mean.

<sup>+</sup>Total may not equal 100% due to rounding.

\*\*\*Index : MSCI AC Wld Nt

## MANAGER'S INVESTMENT PROCESS

- **Idea Generation & Fundamental Research:** 2-pronged approach; deep research coverage and financial screening. Analysts focus on quality growth companies we believe have unique business models building sustainable competitive advantages, catalysts driving an inflection in growth rates and superior financial performance
- **Valuation:** Try to identify underestimated growth opportunities by seeking to capture the inflection point in a company's growth rate, understanding the embedded growth rate in a company's current valuation, using a variety of valuation methodologies appropriate to different industries. Our experienced analysts constantly monitor and re-evaluate fundamental characteristics to reinforce valuation targets to drive buy/sell decisions.
- **Portfolio Construction:** Seek to build a flexible global portfolio with minimal constraints. Portfolio of 35-45 stocks reflects conviction and uniqueness of business models, no maximum or minimum limit of country/sector weights, max position size of 10%, minimum market cap of \$1 bn, average position size between 1.5-4%, portfolio construction and integrated risk management drive position weights and portfolio characteristics.
- **Sell Discipline:** Trim or eliminate a position when a stock approaches what we believe is fair valuation, fundamentals change unfavorably, better risk/reward stock idea emerges, intra-sector correlations of existing positions increase.
- **Integrated Risk Management:** Integrated through investment process with focus on stock specific risk. 1) Fundamental research, 2) Valuation, 3) Portfolio construction

## RISK CONSIDERATIONS

Investing in securities entails risks, including: International investing should be considered one component of a complete and diversified investment program. Investing in foreign markets entails greater risks than those normally associated with domestic markets such as foreign political, currency, economic and market risks. Equity securities' prices may fluctuate in response to specific situations for each company, industry, market conditions and general economic environment. Companies paying dividends can reduce or cut payouts at any time. Strategies that invest a large percentage of assets in only one industry sector (or in only a few sectors) are more vulnerable to price fluctuation than portfolios that diversify among a broad range of sectors. Growth investing does not guarantee a profit or eliminate risk. The stocks of these companies can have relatively high valuations. Because of these high valuations, an investment in a growth stock can be more risky than an investment in a company with more modest growth expectations. Value investing does not guarantee a profit or eliminate risk. Not all companies whose stocks are considered to be value stocks are able to turn their business around or successfully employ corrective strategies which would result in stock prices that do not rise as initially expected.

## PORTFOLIO'S ALLOCATION HISTORY (%) \*

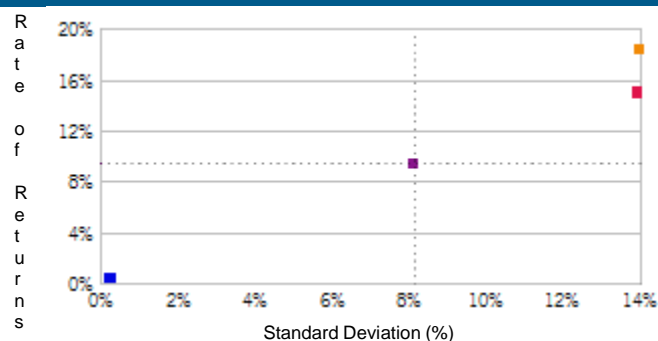
|                       | 06/18 | 03/18 | 12/17 | 09/17 |
|-----------------------|-------|-------|-------|-------|
| U.S. Stocks           | 0     | 57    | 51    | 55    |
| ADRs                  | 0     | 38    | 44    | 42    |
|                       | 0     | 3     | 3     | 3     |
| Cash/Cash Equivalents | 0     | 2     | 2     | 0     |

<sup>1</sup>The P/E used here is calculated by the harmonic mean.

\*Total may not equal 100% due to rounding.

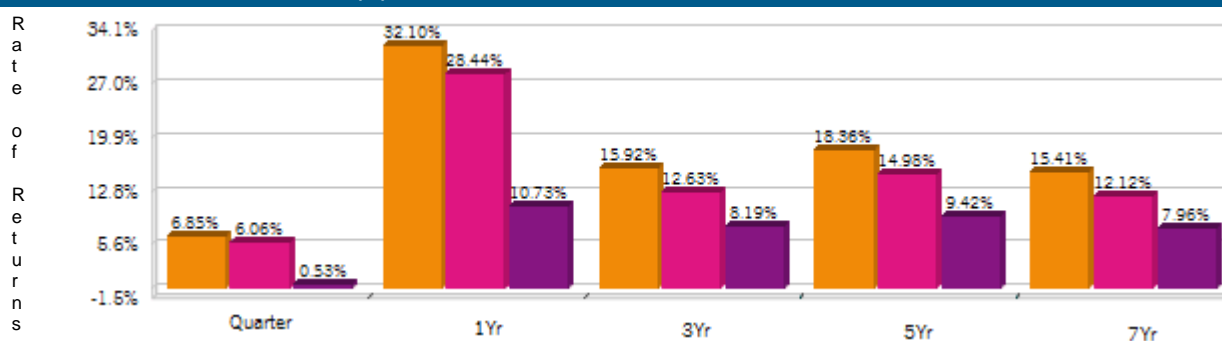
\*\*\*Index : MSCI AC Wld Nt

## RISK/RETURN ANALYSIS - 5 YEARS ENDING 06/30/18



|                  | STD   | ROR   |
|------------------|-------|-------|
| Jennison (Gross) | 14.00 | 18.36 |
| Jennison (Net)   | 13.96 | 14.98 |
| MSCI AC Wld Nt   | 8.14  | 9.42  |
| 90-Day T-Bills   | 0.26  | 0.39  |

## AVERAGE ANNUAL TOTAL RETURN (%) - PERIODS ENDING 06/30/18

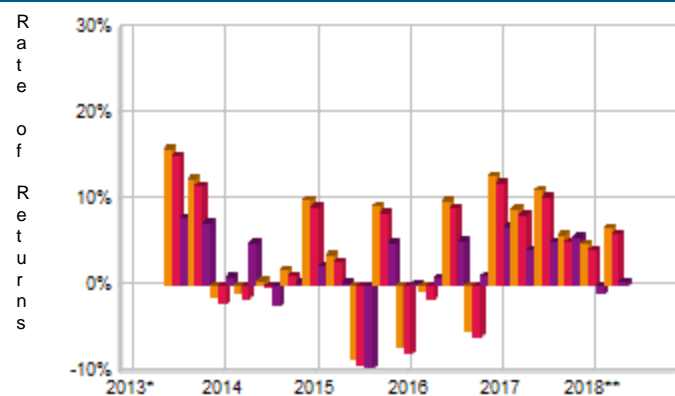


## INVESTMENT RESULTS

|                  | Annual Rates of Return (%) |       |       |       |       |       | 7 Year - Ending 06/30/18 |        |           |
|------------------|----------------------------|-------|-------|-------|-------|-------|--------------------------|--------|-----------|
|                  | 2011*                      | 2012  | 2013  | 2014  | 2015  | 2016  | 2017                     | Annual | Std. Dev. |
| Jennison (Gross) | -10.51                     | 23.43 | 38.56 | 0.37  | 13.81 | -3.96 | 44.79                    | 15.41  | 16.19     |
| Jennison (Net)   | -11.75                     | 19.87 | 34.68 | -2.59 | 10.60 | -6.82 | 40.78                    | 12.12  | 16.12     |
| MSCI AC Wld Nt   | -11.50                     | 16.13 | 22.84 | 4.15  | -2.35 | 7.87  | 23.97                    | 7.96   | 11.72     |

\*05/01/2011-12/31/2011

## RISK VOLATILITY (%)



\*07/01/13-12/31/13

\*\*01/01/18-06/30/18

|                  | Number Of | Up Qtrs. | Down Qtrs. |
|------------------|-----------|----------|------------|
| Jennison (Gross) | 14        | 6        | 6          |
| Jennison (Net)   | 13        | 7        | 7          |
| MSCI AC Wld Nt   | 17        | 3        | 3          |

## PORTFOLIO'S QUARTERLY RETURNS (%)

|      | Quarter1 |       | Quarter2 |       | Quarter3 |        | Quarter4 |       |
|------|----------|-------|----------|-------|----------|--------|----------|-------|
|      | Gross    | Net   | Gross    | Net   | Gross    | Net    | Gross    | Net   |
| 2011 |          |       |          |       | -15.74   | -16.35 | 6.22     | 5.51  |
| 2012 | 20.10    | 19.27 | -7.17    | -7.85 | 8.52     | 7.73   | 2.02     | 1.25  |
| 2013 | 6.95     | 6.19  | -0.64    | -1.36 | 15.94    | 15.15  | 12.46    | 11.66 |
| 2014 | -1.37    | -2.11 | -0.75    | -1.52 | 0.64     | -0.10  | 1.87     | 1.15  |
| 2015 | 9.98     | 9.19  | 3.61     | 2.85  | -8.59    | -9.26  | 9.27     | 8.53  |
| 2016 | -7.15    | -7.91 | -0.71    | -1.45 | 9.93     | 9.17   | -5.23    | -5.95 |
| 2017 | 12.77    | 11.98 | 9.02     | 8.25  | 11.18    | 10.42  | 5.93     | 5.17  |
| 2018 | 4.97     | 4.28  | 6.85     | 6.06  |          |        |          |       |

Related

Select UMA

PORTFOLIO'S RISK STATISTICS -€" PERIODS ENDING 06/30/18 <sup>1 2</sup>

|   | 3 Year | 5 Year |
|---|--------|--------|
| Standard Deviation                      | 15.01% | 14.00% |
| Standard Deviation of Primary Benchmark | 8.95%  | 8.14%  |
| Sharpe Ratio                            | 1.02   | 1.28   |
| Sharpe Ratio of Primary Benchmark       | 0.84   | 1.11   |
| Alpha                                   | 5.57%  | 6.15%  |
| Beta                                    | 1.30   | 1.30   |
| Downside Risk                           | 5.99%  | 5.39%  |
| R-Squared                               | 0.60   | 0.57   |
| Tracking Error                          | 9.76%  | 9.43%  |
| Information Ratio                       | 0.79   | 0.95   |

PORTFOLIO DIVERSIFICATION - R<sup>2</sup>(INCEPTION THROUGH 12/14)+

|                             | R <sup>2</sup> |
|-----------------------------|----------------|
| Jennison vs. MSCI AC Wld Nt | 0.73           |

+Statistics are calculated using gross of fee performance only.

- Statistics are calculated using gross of fee performance only.
- MSCI AC Wld Nt was used as the primary benchmark and the 90-Day T-Bills Index as the risk-free benchmark.

See important notes and disclosures pages for a discussion of the sources of the performance data used to calculate the performance results and related analyses shown above.

Past performance is no guarantee of future results. This profile is not complete without the pages, which contain important notes, including disclosures about the composite, index descriptions and a glossary of terms. Information shown is as of June 30, 2018, unless otherwise noted. All data are subject to change.

## IMPORTANT NOTES AND DISCLOSURES

## COMPOSITE DISCLOSURES

**Past performance is no guarantee of future results. Actual individual account results may differ from the performance shown in this profile. There is no guarantee that this investment strategy will work under all market conditions. Do not use this profile as the sole basis for your investment decisions.**

Performance results in this profile are calculated assuming reinvestment of dividends and income. Returns for more than one year are annualized and based on quarterly data. Returns for periods of less than a calendar year show the total return for the period and are not annualized.

**Sources of Performance Results and Other Data:** The performance data and certain other information for this strategy (including the data on page 1 of this profile) reflect the investment manager's results in managing Morgan Stanley program accounts, or the investment manager's results in managing accounts and investment products, in the same or a substantially similar investment discipline. (For periods through June 2012, the Fiduciary Services program operated through two channels - Morgan Stanley channel and the Smith Barney channel - and any performance and other data relating to Fiduciary Services accounts shown here for these periods is calculated using accounts in only one of the these channels.) This information for the investment manager is presented solely to provide information about accounts that were managed according to investment objectives and strategies the same or substantially similar to the corresponding investment discipline in the Select UMA program. Although the Fiduciary Services and Select UMA programs are both Morgan Stanley managed account programs, the performance results and other features of similar investment disciplines in the two programs may differ due to investment and operational differences. For example, the individual investment disciplines in the Select UMA accounts may contain fewer securities, which would lead to a more concentrated portfolio. The automatic rebalancing, wash sale loss and tax-harvesting features of the Select UMA program, which are not available in Fiduciary Services, also could cause differences in performance. Accordingly, the performance of the accounts in the Fiduciary Services program is not, and may differ significantly from, the performance of the accounts in the Select UMA program and should not be considered indicative of or a substitute for Select UMA performance. Similarly, performance results of the investment manager's composites may differ from those of Select UMA accounts managed in the same or a substantially similar investment discipline.

**Related Performance:**

Performance results are calculated in US dollars and reflect reinvestment of dividends and other earnings. Gross of fee performance is presented before custodial and Jennison's actual advisory fees but after transaction costs. Net of fee performance reflects the deduction of a model fee and is net of transaction costs. Due to the inclusion of performance based fee accounts, model net of fee performance presented herein may be higher or lower than the actual net of fee performance of the composite. Model net of fee performance is based on the highest tier of the standard asset-based fee schedule, which we believe is the most applicable fee schedule for prospective clients. Actual net of fee returns are available upon request and are calculated using estimated performance fee accruals, where applicable, which are subject to change based on the account's performance as of each period end until the actual fees are invoiced. Returns are gross of reclaimable withholding taxes, if any, and net of non-reclaimable withholding taxes. For a global equity opportunities separate account the fee schedule offered to institutional clients is as follows: 0.75% on first \$25 million of assets managed; 0.60% on next \$75 million; 0.50% on the balance. Actual advisory fees charged and actual account minimum size may vary by account due to various conditions described in Jennison Associates LLC's Form ADV.

**Morgan Stanley Performance:**

**Gross Performance:** Jennison's gross results do not reflect a deduction of any investment advisory fees or program fees, charged by Jennison or Morgan Stanley, but are net of commissions charged on securities transactions.

**Net Performance for all Periods:** Net performance results reflect a deduction of 0.7375% quarterly. This consists of three components: 0.625% maximum quarterly MS Advisory Fee and 0.0175% maximum quarterly Program Overlay Fee (which, together cover the services provided by Morgan Stanley), plus 0.095% quarterly SMA Manager Fees (being the fee currently charged by Jennison to new clients for managing their assets in the Select UMA program). The SMA Manager Fees may differ from manager to manager, and managers may change their fee to new clients from time to time. If you select this manager for your account, check the SMA Manager Fees specified in the written client agreement, in case these have changed since you received this profile. Historical net fees reflect the Advisory Fee Schedule as of March 31, 2014.

Morgan Stanley program fees are usually deducted quarterly, and have a compounding effect on performance. The Morgan Stanley program fee, which differs among programs and clients, is described in the applicable Morgan Stanley ADV brochure, which is available at [www.morganstanley.com/ADV](http://www.morganstanley.com/ADV) or on request from your Financial Advisor or Private Wealth Advisor.

Document approval date 08/2018. #CRC 2184991

**Focus List, Approved List, and Watch Status:**

Global Investment Manager Analysis ("GIMA") uses two methods to evaluate investment products in applicable advisory programs. In general, strategies that have passed a more thorough evaluation may be placed on the "Focus List", while strategies that have passed through a different and less comprehensive evaluation process may be placed on the "Approved List". Sometimes an investment product may be evaluated using the Focus List process but then placed on the Approved List instead of the Focus List.

Investment products may move from the Focus List to the Approved List, or vice versa. GIMA may also determine that an investment product no longer meets the criteria under either evaluation process and will no longer be recommended in investment advisory programs (in which case the investment product is given a "Not Approved" status).

GIMA has a "Watch" policy and may describe a Focus List or Approved List investment product as being on "Watch" if GIMA identifies specific areas that (a) merit further evaluation by GIMA and (b) may, but are not certain to, result in the investment product becoming "Not Approved". The Watch period depends on the length of time needed for GIMA to conduct its evaluation and for the investment manager to address any concerns. GIMA may, but is not obligated to, note the Watch status in this report with a "W" or "Watch" on the cover page.

For more information on the Focus List, Approved List, and Watch processes, please see the applicable Morgan Stanley ADV brochure ([www.ms.com/adv](http://www.ms.com/adv)). Your Financial Advisor or Private Wealth Advisor can provide on request a copy of a paper entitled "GIMA: At A Glance".

## ADDITIONAL DISCLOSURES

The information about a representative account is for illustrative purposes only. Actual account holdings, performance and other data will vary depending on the size of an account, cash flows within an account, and restrictions on an account. Holdings are subject to change daily. The information in this profile is not a recommendation to buy, hold or sell securities.

Actual portfolio statistics may vary from target portfolio characteristics.

The investment manager may use the same or substantially similar investment strategies, and may hold similar portfolios of investments, in other portfolios or products it manages (including mutual funds). These may be available at Morgan Stanley or elsewhere, and may cost an investor more or less than this strategy in Morgan Stanley's Select UMA program.

The portfolio may, at times, invest in exchange-traded funds (ETFs), which are a form of equity security in seeking to maintain continued full exposure to the broad equity market.

Morgan Stanley investment advisory programs may require a minimum asset level and, depending on your specific investment objectives and financial position, may not be suitable for you. Investment advisory program accounts are opened pursuant to a written client agreement.

The investment manager acts independently of, and is not an affiliate of, Morgan Stanley Smith Barney LLC.

Diversification does not guarantee a profit or protect against a loss.

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### Sources of information

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### Not an ERISA fiduciary

Morgan Stanley is not acting as a fiduciary under either the Employee Retirement Income Security Act of 1974, as amended, or under section 4975 of the Internal Revenue Code of 1986, as amended, in providing the information in this profile.

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## INDEX DESCRIPTIONS

### 90-Day T-Bills

The 90-Day Treasury Bill is a short-term obligation issued by the United States government. T-bills are purchased at a discount to the full face value, and the investor receives the full value when they mature. The difference of discount is the interest earned. T-bills are issued in denominations of \$10,000 auction and \$1,000 increments thereafter.

### MSCI AC Wid Nt

The MSCI ACWI Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. The MSCI ACWI consists of 46 country indexes comprising 23 developed and 23 emerging market country indexes. The developed market country indexes included are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the United Kingdom and the United States. The emerging market country indexes included are: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey, and United Arab Emirates (as of June 2014). Net total return indices reinvest dividends after the deduction of withholding taxes, using (for international indices) a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties. For historical return purposes the AC World gross returns are being used from 1/31/1988 to 12/31/1998 and the net returns begin as of 1/31/1999.

### S&P 500

The S&P 500 Total Return has been widely regarded as the best single gauge of the large cap U.S. equities market since the index was first published in 1957. The index has over \$5.58 trillion benchmarked, with index assets comprising approximately \$1.31 trillion of this total. The index includes 500 leading companies in leading industries of the U.S. economy, capturing 75% coverage of U.S. equities. This index includes dividend reinvestment.

**Indices are unmanaged and have no expenses. You cannot invest directly in an index.**

## GLOSSARY OF TERMS



**Alpha** is a mathematical estimate of risk-adjusted return expected from a portfolio above and beyond the benchmark return at any point in time.

**American Depositary Receipts (ADRs)** are receipts for shares of a foreign-based corporation held in the vault of a U.S. bank.

**Average Portfolio Beta** is a measure of the sensitivity of a benchmark or portfolio's rates of return to changes against a market return. The market return is the S&P 500 Index. It is the coefficient measuring a stock or a portfolio's relative volatility.

**Beta** is a measure of the sensitivity of a portfolio's rates of return to changes in the market return. It is the coefficient measuring a stock or a portfolio's relative volatility.

**Bottom-Up Stock Selection** Emphasis primarily on individual stock selection. Considerations of economic and industry factors are of secondary importance in the investment decision-making process.

**Capitalization** is defined as the following: Mega (Above \$100 billion), Large (\$12 to \$100 billion), Medium (\$2.5 - \$12 billion), Small (\$.50 - \$2.5 billion) and Micro (below \$.50 billion).

**Dividend** a portion of a company's profit paid to common and preferred shareholders.

**Downside Risk** is a measure of the risk associated with achieving a specific target return. This statistic separates portfolio volatility into downside risk and upside uncertainty. The downside considers all returns below the target return, while the upside considers all returns equal to or above the target return.

**Duration** is a measure of price sensitivity expressed in years.

**High Grade Corporate Bonds** corporate bonds from issuers with credit ratings of AA or AAA.

**Information Ratio** is a measure of the investment manager's skill to add active value against a given benchmark relative to how stable that active return has been. Essentially, the information ratio explains how significant a manager's alpha is. Therefore, the higher the information ratio, the more significant the alpha.

**Investment Grade Bonds** are those rated by Standard & Poor's AAA (highest rated), AA, A or BBB (or equivalent rating by other rating agencies or, in the case of securities not rated, by the investment manager).

**Price/Book Ratio (P/B)** weighted average of the stocks' price divided by book value per share. Book value per share is defined as common equity, including intangibles, divided by shares outstanding times the adjustment factor.

**Price/Cash Flow Ratio** a ratio used to compare a company's market value to its cash flow. It is calculated by dividing the company's market cap by the company's operating cash flow in the most recent fiscal year (or the most recent four fiscal quarters); or, equivalently, divide the per-share stock price by the per-share operating cash flow.

**Price/Earnings Ratio (P/E Ratio)** shows the multiple of earnings at which a stock sells. Determined by dividing current stock price by current earnings per share (adjusted for stock splits). Earnings per share for the P/E ratio are determined by dividing earnings for past 12 months by the number of common shares outstanding. The P/E ratio shown here is calculated by the harmonic mean.

**Price/Sales Ratio** determined by dividing current stock price by revenue per share (adjusted for stock splits). Revenue per share for the P/S ratio is determined by dividing revenue for past 12 months by number of shares outstanding.

**R2 (R-Squared)/Portfolio Diversification** indicates the proportion of a security's total variance that is benchmark-related or is explained by variations in the benchmark.

**Sharpe Ratio** measures the efficiency, or excess return per unit of volatility, of a manager's returns. It evaluates managers' performance on a volatility-adjusted basis.

**Standard Deviation** is a statistical measure of historical variability or spread of returns around a mathematical average return that was produced by the investment manager over a given measurement period. The higher the standard deviation, the greater the variability in the investment manager's returns relative to its average return.

**Top-Down/Economic Analysis** Emphasis primarily on macroeconomic trends as opposed to bottom-up stock selection.

**Tracking Error** represents the standard deviation of the difference between the performance of the investment strategy and the benchmark. This provides a historical measure of the variability of the investment strategy's returns relative to its benchmark.

**U.S. Treasury Bonds** a marketable, fixed interest U.S. government debt security with a maturity of more than 10 years. Treasury bonds make interest payments semi-annually and the income that holders receive is only taxed at the federal level.

**Volatility** a measure of risk based on the standard deviation of the asset return. Volatility is a variable that appears in option pricing formulas, where it denotes the volatility of the underlying asset return from now to the expiration of the option. There are volatility indexes. Such as a scale of 1-9; a higher rating means higher risk.