

# **Most Attractive Stocks for February 2023**

20 Large/Mid Cap and 20 Small Cap Stocks

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- Figure 1 shows 10 new stocks that make our February lists.
- The Most Attractive Stocks portfolio (+11.4%) outperformed the S&P 500 (+7.1%) last month.
- Figure 4 shows the 30 stocks that outperformed from January's report.
- See Appendix C for data on returns, volatility and portfolio turnover for our Most Attractive Stocks Portfolio.
- Most Attractive Stocks have high and rising returns on capital (ROIC) and low market expectations for future profits.
- This <u>paper</u> compares our analytics on a mega cap company to other major providers. The Appendix details exactly how we stack up.
- Our Robo-Analyst technology, <u>featured by Harvard Business</u> <u>School</u>, enables analysis of financial footnotes at unprecedented scale.
- Our research utilizes more reliable & <u>proprietary</u> fundamental data, proven in <u>The Journal of Financial Economics</u> and <u>studies</u> from the public & private sectors.

#### Figure 1: Additions for February

| Large Cap Additions |                          |        | Small Cap Additions         |
|---------------------|--------------------------|--------|-----------------------------|
| Ticker              | Company Name             | Ticker | Company Name                |
| BFH                 | Bread Financial Holdings | EGLE   | Eagle Bulk Shipping,        |
| BLDR                | Builders FirstSource     | KFRC   | Kforce Inc.                 |
| LEN                 | Lennar Corporation       | PGC    | Peapack-Gladstone Financial |
| SBLK                | Star Bulk Carriers Corp  | RGP    | Resources Connection        |
| SLM                 | SLM Corporation          | UBFO   | United Security Bancshares  |

Sources: New Constructs, LLC

Please see Appendix B for explanations of additions and deletions to the large and small cap lists.



# The 20 Most Attractive Large/Mid Cap Stocks for February

We recommend that investors equal-weight holdings in all 20 Large/Mid Cap Most Attractive Stocks.

### Figure 2: 20 Most Attractive Large/Mid Cap Stocks for February

|        |                             |                    |                             | High-Quality Earr                    | nings                                 |  | Cheap Valuation                            |  | 1                         |
|--------|-----------------------------|--------------------|-----------------------------|--------------------------------------|---------------------------------------|--|--|--|---------------------------|
|        |                             |                    |                             | As of Last Twelve Mo                 | onths                                 |  | as of 01/31/23                             |  |                           |
| Ticker | Company Name                | Sector             | Positive<br>Economic<br>EPS | Rising ROIC<br>(% point<br>increase) | High-Ranking<br>ROIC<br>(by Quintile) | Positive<br>Free Cash<br>Flow<br>Yield | Low<br>Price-to-<br>Economic Book<br>Value | Short<br>Market-<br>Implied GAP<br>(years) | Market<br>Value<br>(\$mm) |
| BFH*   | Bread Financial Holdings    | Industrials        | \$8.15                      | 7%                                   | 2nd                                   | 629%                                   | 0.2  | Less than 1                                | \$2,045                   |
| CNO    | CNO Financial Group         | Financials         | \$1.35                      | 2%                                   | 2nd                                   | 54%                                    | 0.6  | Less than 1                                | \$2,947                   |
| SBLK*  | Star Bulk Carriers Corp     | Industrials        | \$6.48                      | 10%                                  | Top Quintile                          | 26%                                    | 0.2  | Less than 1                                | \$2,316                   |
| SYF    | Synchrony Financial         | Financials         | \$3.53                      | 6%                                   | Top Quintile                          | 23%                                    | 0.5  | Less than 1                                | \$16,548                  |
| CF     | CF Industries Holdings      | Basic Materials    | \$18.18                     | 31%                                  | Top Quintile                          | 20%                                    | 0.3  | Less than 1                                | \$16,617                  |
| SLM*   | SLM Corporation             | Financials         | \$2.03                      | 4%                                   | Top Quintile                          | 20%                                    | 0.4  | Less than 1                                | \$4,396                   |
| BPOP   | Popular Inc.                | Financials         | \$6.54                      | 4%                                   | Top Quintile                          | 20%                                    | 0.4  | Less than 1                                | \$4,990                   |
| MTG    | MGIC Investment Corp        | Financials         | \$1.33                      | 4%                                   | Top Quintile                          | 18%                                    | 0.5  | Less than 1                                | \$4,194                   |
| WIRE   | Encore Wire Corp            | Industrials        | \$29.70                     | 2%                                   | Top Quintile                          | 17%                                    | 0.3  | Less than 1                                | \$2,961                   |
| KLIC   | Kulicke & Soffa Industries  | Technology         | \$5.17                      | 1%                                   | Top Quintile                          | 17%                                    | 0.6  | Less than 1                                | \$2,914                   |
| BLDR*  | Builders FirstSource        | Consumer Cyclicals | \$12.92                     | 10%                                  | Top Quintile                          | 16%                                    | 0.4  | 1  | \$11,730                  |
| THO    | Thor Industries             | Consumer Cyclicals | \$13.06                     | 2%                                   | Top Quintile                          | 14%                                    | 0.4  | Less than 1                                | \$5,102                   |
| MLI    | Mueller Industries          | Industrials        | \$8.95                      | 11%                                  | Top Quintile                          | 14%                                    | 0.5  | Less than 1                                | \$3,727                   |
| FBP    | First Bancorp               | Financials         | \$0.36                      | 2%                                   | 2nd                                   | 14%                                    | 0.9  | Less than 1                                | \$2,505                   |
| Е      | Eni S.P.A.                  | Energy             | \$6.71                      | 11%                                  | Top Quintile                          | 13%                                    | 0.2  | Less than 1                                | \$53,887                  |
| TMHC   | Taylor Morrison Home Corp   | Consumer Cyclicals | \$5.76                      | 5%                                   | Top Quintile                          | 13%                                    | 0.3  | Less than 1                                | \$3,879                   |
| LEN*   | Lennar Corporation          | Consumer Cyclicals | \$9.27                      | 2%                                   | Top Quintile                          | 12%                                    | 0.5  | Less than 1                                | \$29,665                  |
| DFS    | Discover Financial Services | Financials         | \$12.33                     | 9%                                   | Top Quintile                          | 12%                                    | 0.6  | Less than 1                                | \$31,894                  |
| WSM    | Williams-Sonoma             | Consumer Cyclicals | \$14.47                     | 6%                                   | Top Quintile                          | 12%                                    | 0.7  | Less than 1                                | \$8,983                   |
| TTE    | TotalEnergies               | Energy             | \$7.53                      | 6%                                   | 2nd                                   | 11%                                    | 0.3  | Less than 1                                | \$156,637                 |

\* Addition to the Large/Mid Cap Most Attractive list in February

Most Attractive Stocks are Sorted by Risk/Reward rating

Sources: New Constructs, LLC

Important Disclosure Information is contained on the last page of this report. The recipient of this report is directed to read these disclosures.



## The 20 Most Attractive Small Cap Stocks for February

We recommend that investors equal-weight holdings in all 20 Small Cap Most Attractive Stocks.

#### Figure 3: 20 Most Attractive Small Cap Stocks for February

|        |                                    |                    |                             | High-Quality Earr                    | nings                                 |  | Cheap Valuation                            |  |                           |
|--------|------------------------------------|--------------------|-----------------------------|--------------------------------------|---------------------------------------|--|--|--|---------------------------|
|        |                                    |                    |                             | As of Last Twelve Mo                 | onths                                 |  | as of 01/31/23                             |  |                           |
| Ticker | Company Name                       | Sector             | Positive<br>Economic<br>EPS | Rising ROIC<br>(% point<br>increase) | High-Ranking<br>ROIC<br>(by Quintile) | Positive<br>Free Cash<br>Flow<br>Yield | Low<br>Price-to-<br>Economic<br>Book Value | Short<br>Market-<br>Implied GAP<br>(years) | Market<br>Value<br>(\$mm) |
| CASS   | Cass Information Systems           | Industrials        | \$2.28                      | 72%                                  | Top Quintile                          | 100%                                   | 0.9  | Less than 1                                | \$663                     |
| HSII   | Heidrick & Struggles International | Industrials        | \$3.11                      | 5%                                   | Top Quintile                          | 46%                                    | 0.4  | Less than 1                                | \$611                     |
| VHI    | Valhi Inc.                         | Basic Materials    | \$5.29                      | 5%                                   | 2nd                                   | 31%                                    | 0.2  | Less than 1                                | \$730                     |
| IMMR   | Immersion Corp                     | Technology         | \$0.39                      | 10%                                  | Top Quintile                          | 27%                                    | 0.7  | Less than 1                                | \$237                     |
| JAKK   | Jakks Pacific, Inc.                | Consumer Cyclicals | \$2.41                      | 5%                                   | 3rd                                   | 26%                                    | 0.2  | Less than 1                                | \$203                     |
| EGLE*  | Eagle Bulk Shipping,               | Industrials        | \$16.15                     | 9%                                   | Top Quintile                          | 26%                                    | 0.2  | Less than 1                                | \$784                     |
| FF     | Futurefuel Corp                    | Energy             | \$0.39                      | 14%                                  | Top Quintile                          | 25%                                    | 0.7  | Less than 1                                | \$406                     |
| GOGL   | Golden Ocean Group Limited         | Industrials        | \$1.73                      | 5%                                   | Top Quintile                          | 21%                                    | 0.3  | Less than 1                                | \$1,924                   |
| BBSI   | Barrett Business Services          | Industrials        | \$2.75                      | 4%                                   | 2nd                                   | 20%                                    | 1.1  | 2  | \$692                     |
| WABC   | Westamerica Bancorporation         | Financials         | \$1.96                      | 2%                                   | 2nd                                   | 18%                                    | 1.0  | Less than 1                                | \$1,495                   |
| FUNC   | First United Corp                  | Financials         | \$4.45                      | 9%                                   | Top Quintile                          | 18%                                    | 0.2  | Less than 1                                | \$129                     |
| GSL    | Global Ship Lease                  | Industrials        | \$8.65                      | 9%                                   | Top Quintile                          | 18%                                    | 0.1  | Less than 1                                | \$673                     |
| RGP*   | Resources Connection               | Industrials        | \$1.48                      | 6%                                   | Top Quintile                          | 16%                                    | 0.5  | Less than 1                                | \$581                     |
| AXR    | AMREP Corporation                  | Industrials        | \$1.53                      | 4%                                   | 2nd                                   | 15%                                    | 0.2  | Less than 1                                | \$72                      |
| KFRC*  | Kforce Inc.                        | Industrials        | \$2.90                      | 4%                                   | Top Quintile                          | 15%                                    | 1.0  | 8  | \$1,165                   |
| MCFT   | Mastercraft Boat Holdings          | Consumer Cyclicals | \$3.88                      | 8%                                   | Top Quintile                          | 14%                                    | 0.5  | Less than 1                                | \$512                     |
| PGC*   | Peapack-Gladstone Financial        | Financials         | \$0.74                      | 4%                                   | 3rd                                   | 14%                                    | 0.9  | Less than 1                                | \$665                     |
| ATLC   | Atlanticus Holdings Corp           | Financials         | \$5.12                      | 1%                                   | Top Quintile                          | 14%                                    | 0.4  | Less than 1                                | \$469                     |
| EAF    | GrafTech International             | Industrials        | \$1.63                      | 1%                                   | Top Quintile                          | 13%                                    | 0.3  | Less than 1                                | \$1,678                   |
| UBFO*  | United Security Bancshares         | Financials         | \$0.21                      | 3%                                   | 3rd                                   | 12%                                    | 0.7  | Less than 1                                | \$135                     |

\* Addition to the Small Cap Most Attractive list in February

Most Attractive Stocks are Sorted by Risk/Reward rating

Sources: New Constructs, LLC

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# Most Attractive Stocks: Monthly Updates

The Most Attractive Stocks portfolio (+11.4%) outperformed the S&P 500 (+7.1%) last month. 30 stocks from our January Most Attractive Large Cap and Small Cap lists outperformed the S&P 500, and 38 stocks had positive returns. See Figure 4 for details. For updates on the performance of all of last month's Most Attractive stocks, see Appendix A. The performance is based on closing prices from January 5, 2023 to January 31, 2023.

See our quarterly <u>Model Portfolio Performance reports</u> for updates on performance since inception and other longer periods of time.

|         | Large Cap                  |                            |         | Small Cap                          |                            |
|---------|----------------------------|----------------------------|---------|------------------------------------|----------------------------|
| Ticker  | Company Name               | Change<br>From<br>01/05/23 | Ticker  | Company Name                       | Change<br>From<br>01/05/23 |
| STLD    | Steel Dynamics, Inc.       | 22.1%                      | EAF     | GrafTech International             | 28.7%                      |
| THO     | Thor Industries, Inc.      | 21.8%                      | SBLK    | Star Bulk Carriers Corp            | 23.1%                      |
| WIRE    | Encore Wire Corp           | 19.4%                      | GOGL    | Golden Ocean Group Limited         | 21.1%                      |
| OLN     | Olin Corporation           | 18.9%                      | ATLC    | Atlanticus Holdings Corp           | 18.8%                      |
| DFS     | Discover Financial         | 17.3%                      | VHI     | Valhi Inc.                         | 18.3%                      |
| WSM     | Williams-Sonoma            | 15.5%                      | AXR     | AMREP Corporation                  | 15.1%                      |
| SYF     | Synchrony Financial        | 14.9%                      | GSL     | Global Ship Lease, Inc.            | 15.1%                      |
| KLIC    | Kulicke & Soffa Industries | 14.4%                      | HSII    | Heidrick & Struggles International | 14.8%                      |
| MLI     | Mueller Industries, Inc.   | 11.5%                      | CMRE    | Costamare Inc.                     | 13.5%                      |
| TMHC    | Taylor Morrison Home       | 11.4%                      | HCC     | Warrior Met Coal                   | 13.5%                      |
| CNO     | CNO Financial Group Inc    | 9.8%                       | REX     | Rex American Resources Corp        | 10.1%                      |
| MTG     | MGIC Investment Corp       | 9.5%                       | FF      | Futurefuel Corp                    | 10.0%                      |
| MSM     | MSC Industrial Direct      | 7.4%                       | BBSI    | Barrett Business Services          | 9.8%                       |
| MGY     | Magnolia Oil Gas Corp      | 7.2%                       | JAKK    | Jakks Pacific, Inc.                | 9.7%                       |
| E       | Eni S.P.A.                 | 7.1%                       | MCFT    | Mastercraft Boat Holdings          | 8.9%                       |
| S&P 500 | S&P 500                    | 7.1%                       | S&P 500 | S&P 500                            | 7.1%                       |
| FBP     | First Bancorp              | 5.6%                       | CASS    | Cass Information Systems           | 4.5%                       |
| OVV     | Ovintiv Inc.               | 4.3%                       | FUNC    | First United Corp                  | 2.3%                       |
| BPOP    | Popular Inc.               | 3.4%                       | BFH     | Bread Financial Holdings           | 1.7%                       |
| TTE     | TotalEnergies              | 1.5%                       |         |                                    |                            |
| CF      | CF Industries Holdings     | 1.1%                       |         |                                    |                            |

#### Figure 4: 38 Stocks with Positive Returns Since January's Report

Sources: New Constructs, LLC

Note: Gain/Decline performance analysis excludes transaction costs and dividends.



## Most Attractive Stocks: Methodology

Stocks make our Most Attractive list because they have:

- 1. High-Quality Earnings based on:
  - a. Returns on Invested Capital that are rising; and
  - b. Economic Earnings/Cash Flows that are positive.

AND

- 2. Cheap Valuations based on:
  - *a. Free-Cash Flow Yields*<sup>1</sup> that are positive;
  - b. *Price-to-Economic Book Value* (EBV)<sup>2</sup> ratios that are relatively low; and
  - c. *Growth Appreciation Periods*<sup>3</sup> (GAP) that are relatively low.

The above characteristics also qualify stocks for a 'Very Attractive' or 'Attractive' Rating, according to our Risk/Reward Rating system. Figure 5 shows our Risk/Reward Rating analysis, which we apply to the 3000+ companies that we cover. Stocks get a grade of 1 to 5 for each criterion, 5 being the worst and 1 being the best score. The overall score is based on the average score of all five criteria. Stocks must get an average score of 1.4 or below to be rated Very Attractive.

| Figure 5: New Constructs Risk/Reward Rating for Stocks | Figure 5: | w Constructs Risk/R | eward Rating for Stocks |
|--|-----------|---------------------|-------------------------|
|--|-----------|---------------------|-------------------------|

|                         | Quality of                | Quality of Earnings |             | Valuation         |         |  |  |  |
|-------------------------|---------------------------|---------------------|-------------|-------------------|---------|--|--|--|
| Risk/Reward<br>Rating ⑦ | Econ vs Reported<br>EPS ⑦ | ROIC ①              | FCF Yield ① | Price to<br>EBV ⑦ | GAP ⑦   |  |  |  |
| Very Unattractive       | Misleading Trend          | Bottom Quintile     | < -5%       | > 3.5 or -1 < 0   | > 50    |  |  |  |
| Unattractive            | False Positive            | 4th Quintile        | -5% < -1%   | 2.4 < 3.5 or < -1 | 20 < 50 |  |  |  |
| Neutral                 | Neutral EE                | 3rd Quintile        | -1% < 3%    | 1.6 < 2.4         | 10 < 20 |  |  |  |
| Attractive              | Positive EE               | 2nd Quintile        | 3% < 10%    | 1.1 < 1.6         | 3 < 10  |  |  |  |
| Very Attractive         | Rising EE                 | Top Quintile        | > 10%       | 0<1.1             | 0<3     |  |  |  |

Sources: New Constructs, LLC

<sup>&</sup>lt;sup>1</sup> Free-Cash Flow Yields measure the % of the total value of the firm for which the Free Cash Flows of the firm account. The formula is FCF/Current Enterprise Value.

<sup>&</sup>lt;sup>2</sup> Economic Book Value (EBV) measures the no-growth value of the business based on its annual aftertax cash flow. The Formula for EBV is: (NOPAT / WACC) + Excess Cash + Non-operating assets – Debt (incl. Operating Leases) - Value of Outstanding Stock Options – Minority Interests.

<sup>&</sup>lt;sup>3</sup> Growth Appreciation Period measures the number of years, implied by the market-price, that a company will grow its economic earnings. This measure assigns a numerical value to the width of the moat around a firm's business.



# Appendix A – Performance of Stocks in January's Report

## Figure 6: Performance of All Stocks Since January's Report

|                 | Large Cap                   |                            |         | Small Cap                          |                            |
|-----------------|-----------------------------|----------------------------|---------|------------------------------------|----------------------------|
| Ticker          | Company Name                | Change<br>From<br>01/05/23 | Ticker  | Company Name                       | Change<br>From<br>01/05/23 |
| STLD            | Steel Dynamics              | 22.1%                      | EAF     | GrafTech International             | 28.7%                      |
| THO             | Thor Industries             | 21.8%                      | SBLK    | Star Bulk Carriers Corp            | 23.1%                      |
| WIRE            | Encore Wire Corp            | 19.4%                      | GOGL    | Golden Ocean Group Limited         | 21.1%                      |
| OLN             | Olin Corporation            | 18.9%                      | ATLC    | Atlanticus Holdings Corp           | 18.8%                      |
| DFS             | Discover Financial Services | 17.3%                      | VHI     | Valhi Inc.                         | 18.3%                      |
| WSM             | Williams-Sonoma             | 15.5%                      | AXR     | AMREP Corporation                  | 15.1%                      |
| SYF             | Synchrony Financial         | 14.9%                      | GSL     | Global Ship Lease, Inc.            | 15.1%                      |
| KLIC            | Kulicke & Soffa Industries  | 14.4%                      | HSII    | Heidrick & Struggles International | 14.8%                      |
| MLI             | Mueller Industries, Inc.    | 11.5%                      | CMRE    | Costamare Inc.                     | 13.5%                      |
| TMHC            | Taylor Morrison Home Corp   | 11.4%                      | HCC     | Warrior Met Coal Inc.              | 13.5%                      |
| CNO             | CNO Financial Group Inc     | 9.8%                       | REX     | Rex American Resources Corp        | 10.1%                      |
| MTG             | MGIC Investment Corp        | 9.5%                       | FF      | Futurefuel Corp                    | 10.0%                      |
| MSM             | MSC Industrial Direct       | 7.4%                       | BBSI    | Barrett Business Services          | 9.8%                       |
| MGY             | Magnolia Oil Gas Corp       | 7.2%                       | JAKK    | Jakks Pacific, Inc.                | 9.7%                       |
| Е               | Eni S.P.A.                  | 7.1%                       | MCFT    | Mastercraft Boat Holdings          | 8.9%                       |
| SPX             | S&P 500                     | 7.1%                       | SPX     | S&P 500                            | 7.1%                       |
| FBP             | First Bancorp               | 5.6%                       | CASS    | Cass Information Systems           | 4.5%                       |
| OVV             | Ovintiv Inc.                | 4.3%                       | FUNC    | First United Corp                  | 2.3%                       |
| BPOP            | Popular Inc.                | 3.4%                       | BFH     | Bread Financial Holdings Inc       | 1.7%                       |
| TTE             | TotalEnergies               | 1.5%                       | WABC    | Westamerica Bancorporation         | -2.6%                      |
| CF              | CF Industries Holdings      | 1.1%                       | IMMR    | Immersion Corp                     | -4.3%                      |
| Large C         | ap Portfolio Return         | 11.2%                      | Small C | ap Portfolio Return                | 11.6%                      |
| Combo<br>Return | (Large and Small Cap)       | 11.4%                      |         |                                    |                            |

Sources: New Constructs, LLC Note: Gain/Decline performance analysis excludes transaction costs and dividends.



# Appendix B – Additions and Deletions

#### Most Attractive Large/Mid Cap Stocks

#### **Deletions:**

- STLD Stock price increased 22.1% since January report.
- OLN Stock price increased 18.9% since January report.
- MSM Stock price increased 7.4% since January report.
- MGY Stock price increased 7.2% since January report.
- OVV Stock price increased 4.3% since January report.

#### Additions:

- BFH Market cap increased to Large/Mid Cap threshold.
- BLDR Addition by decrease in rank of other stocks.
- SBLK Addition by decrease in rank of other stocks.
- SLM Addition by decrease in rank of other stocks.
- LEN New filing data on 01/26/23.

#### Most Attractive Small Cap Stocks

#### **Deletions:**

- SBLK Stock price increased 23.1% since January report.
- CMRE Stock price increased 13.5% since January report.
- HCC Stock price increased 13.5% since January report.
- REX Stock price increased 10.1% since January report.
- BFH Market cap increased above Small Cap threshold.

#### Additions:

- EGLE Addition by decrease in rank of other stocks.
- KFRC Addition by decrease in rank of other stocks.
- PGC Addition by decrease in rank of other stocks.
- RGP Addition by decrease in rank of other stocks.
- UBFO Addition by decrease in rank of other stocks.



# Explanation of Risk/Reward Rating System

Our Risk/Reward Rating System assigns a rating to every stock under our coverage according to what we believe are the 5 most important criteria for assessing the risk versus reward of stocks. See table that follows for details.

| Risk/Reward<br>Rating | The Risk/Reward Rating provides a final rating based on the equal-weighted average rating of each criterion. |
|-----------------------|--|
| Very Unattractive     | FCF Yield is not included in the average.  |
| Unattractive          | FCF Yield is not included in the average.  |
| Neutral               | All criteria are equal-weighted in the average calculation.  |
| Attractive            | All criteria are equal-weighted in the average calculation.  |
| Very Attractive       | All criteria are equal-weighted in the average calculation.  |

| Economic vs<br>Reported EPSRates stocks based on how their Economic Earnings<br>compare to their Reported Earnings. Values based or<br>Latest Fiscal Year. |  |  |
|--|--|--|
| Very Unattractive  | Negative and declining Economic Earnings despite positive<br>and rising Reported Earnings      |  |
| Unattractive   | Same as above except Reported Earnings are not rising or<br>Reported Earnings are not positive |  |
| Neutral  | Negative Economic and Reported Earnings  |  |
| Attractive Economic Earnings are positive  |  |  |
| Very Attractive  | Economic Earnings are positive and rising  |  |

| Return on<br>Invested<br>Capital (ROIC) Rates stocks based on their ROIC. Values based on<br>Latest Fiscal Year. |                            |
|--|----------------------------|
| Bottom Quintile Very Unattractive = < 4.8%   |                            |
| 4th Quintile   | Unattractive = 4.8% < 7.5% |
| 3rd Quintile Neutral = 7.5% < 10.5%  |                            |
| 2nd Quintile Attractive = 10.5% < 14.5%  |                            |
| Top QuintileVery Attractive = > 14.5%  |                            |

| FCF YieldRates stocks based on their Free Cash Flow Yield.<br>Values based on Latest Closing Stock price and La<br>Fiscal Year. |  |
|---|--|
| <-5%  | Very Unattractive = less than or equal to -5%              |
| -5%<-1%   | Unattractive = more than -5% but less than or equal to -1% |
| <mark>-1%&lt;3%</mark>  | Neutral = more than -1% but less than or equal to +3%      |
| <b>3%&lt;10%</b> Attractive = more than +3% but less than or equal to +10%  |  |
| >10%  | Very Attractive = more than +10%                           |



| Price-to-EBV<br>Ratio                  | Rates stocks based on their Price-to-Economic Book<br>Value Ratio. Values based on Latest Closing Stock price<br>and Latest Fiscal Year.               |
|--|--|
| >3.5 or -1>0                           | Very Unattractive = greater than or equal to 3.5 or less than 0 but greater than -1  |
| 2.4>3.5 or <-1                         | Unattractive = greater than or equal to 2.4 but less than 3.5 and less than or equal to -1   |
| 1.6>2.4                                | Neutral = greater than or equal to 1.6 but less than 2.4   |
| 1.1>1.6                                | Attractive = greater than or equal to 1.1 but less than 1.6  |
| 0>1.1                                  | Very Attractive = greater than or equal to 0 but less than 1.1   |
|  |  |
| Growth<br>Appreciation<br>Period (yrs) | Rates stocks based on their Market-Implied Growth<br>Appreciation Period. Values based on Latest Closing<br>Stock price and Default Forecast Scenario. |
| >50                                    | Very Unattractive = greater than or equal to 50 years  |
| 20>50                                  | Unattractive = at least 20 years but less than 50  |
| 10>20                                  | Neutral = at least 10 years but less than 20   |
| 3>10                                   | Attractive = at least 3 years but less than 10   |
| 0>3                                    | Very Attractive = at least 0 years but less than 3   |



# Appendix C – Portfolio Metrics

| Figure 7: Performance and Risk Metrics   |                      |                      |                    |                         |                      |                    |              |           |                    |                   |                   |                               |
|--|----------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|--------------|-----------|--------------------|-------------------|-------------------|-------------------------------|
|  | Portfolio Returns    |                      |                    | Volatility (Annualized) |                      |                    | Sharpe Ratio |           |                    | Beta              |                   |                               |
| Portfolio                                | 1 year<br>annualized | 3 year<br>annualized | Since<br>Inception | 1 year<br>annualized    | 3 year<br>annualized | Since<br>Inception | 1<br>Year    | 3<br>Year | Since<br>Inception | 1 Year<br>Average | 3 Year<br>Average | Average<br>Since<br>Inception |
| Most<br>Attractive<br>Large              | -15%                 | 4%                   | 8%                 | 24%                     | 29%                  | 21%                | -0.6         | 0.1       | 0.4                | 1.3               | 1.1               | 1.0                           |
| Most<br>Attractive<br>Small              | -23%                 | 2%                   | 9%                 | 23%                     | 34%                  | 25%                | -1.0         | 0.1       | 0.4                | 1.13              | 0.99              | 0.94                          |
| Most<br>Attractive<br>Small and<br>Large | -20%                 | 3%                   | 9%                 | 23%                     | 31%                  | 22%                | -0.9         | 0.1       | 0.4                | 1.21              | 1.06              | 0.98                          |
| S&P 500                                  | -19%                 | 6%                   | 7%                 | 15%                     | 20%                  | 16%                | -1.3         | 0.3       | 0.4                |                   |                   |                               |
| Russell<br>2000                          | -20%                 | 2%                   | 6%                 | 16%                     | 28%                  | 21%                | -1.3         | 0.1       | 0.3                |                   |                   |                               |



## Figure 8: Portfolio Turnover

|                                    | Monthly Turnover  |                   |                               |  |  |  |  |
|------------------------------------|-------------------|-------------------|-------------------------------|--|--|--|--|
| Portfolio                          | 1 Year<br>Average | 3 Year<br>Average | Average<br>Since<br>Inception |  |  |  |  |
| Most Attractive<br>Large           | 35%               | 40%               | 34%                           |  |  |  |  |
| Most Attractive<br>Small           | 38%               | 39%               | 35%                           |  |  |  |  |
| Most Attractive<br>Small and Large | 39%               | 40%               | 34%                           |  |  |  |  |

Source: New Constructs, LLC



# *It's Official: We Offer the Best Fundamental Data in the World*

Many firms claim their research is superior, but none of them can prove it with independent studies from highly-respected institutions as we can. Three different papers from both the public and private sectors show:

- 1. Legacy fundamental datasets suffer from significant inaccuracies, omissions and biases.
- 2. Only our "novel database" enables investors to overcome these flaws and apply reliable fundamental data in their research.
- 3. Our proprietary measures of <u>Core Earnings</u> and <u>Earnings Distortion</u> materially improve stock picking and forecasting of profits.

#### Best Fundamental Data in the World

Forthcoming in <u>The Journal of Financial Economics</u>, a top peer-reviewed journal, <u>Core Earnings:</u> <u>New Data & Evidence</u> proves our Robo-Analyst technology overcomes material shortcomings in legacy firms' data collection processes to provide superior <u>fundamental data</u>, <u>earnings</u> models, and <u>research</u>. More <u>details</u>.

Key quotes from the paper:

- "[New Constructs'] Total Adjustments differs significantly from the items identified and excluded from Compustat's adjusted earnings measures. For example... 50% to 70% of the variation in Total Adjustments is not explained by S&P Global's (SPGI) Adjustments individually." – pp. 14, 1<sup>st</sup> para.
- "A final source of differences [between New Constructs' and S&P Global's data] is due to data collection oversights...we identified cases where Compustat did not collect information relating to firms' income that is useful in assessing core earnings." – pp. 16, 2<sup>nd</sup> para.

#### **Superior Models**

A top accounting firm features the superiority of our ROIC, NOPAT and Invested Capital research to Capital IQ & Bloomberg's in <u>Getting ROIC Right</u>. See the <u>Appendix</u> for direct comparison details. Key quotes from the paper:

- "...an accurate calculation of ROIC requires more diligence than often occurs in some of the common, off-the-shelf ROIC calculations. Only by scouring the footnotes and the MD&A [ as New Constructs does] can investors get an accurate calculation of ROIC." – pp. 8, 5<sup>th</sup> para.
- "The majority of the difference...comes from New Constructs' machine learning approach, which leverages technology to calculate ROIC by applying accounting adjustments that may be buried deeply in the footnotes across thousands of companies." – pp. 4, 2<sup>nd</sup> para.

#### Superior Stock Ratings

Robo-Analysts' stock ratings outperform those from human analysts as shown in this <u>paper</u> from Indiana's Kelley School of Business. Bloomberg features the paper <u>here</u>.

Key quotes from the paper:

- "the portfolios formed following the buy recommendations of Robo-Analysts earn abnormal returns that are statistically and economically significant." – pp. 6, 3<sup>rd</sup> para.
- "Our results ultimately suggest that Robo-Analysts are a valuable, alternative information intermediary to traditional sell-side analysts." – pp. 20, 3<sup>rd</sup> para.

Our mission is to provide the best fundamental analysis of public and private businesses in the world and make it affordable for all investors, not just Wall Street insiders.

We believe every investor deserves to know the whole truth about the profitability and valuation of any company they consider for investment. More details on our cutting-edge technology and how we use it are <u>here</u>.



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