

## Monster Beverage Corp. (MNST)

**\$88.20** (As of 12/08/20)

Price Target (6-12 Months): **\$93.00**

Long Term: 6-12 Months

**Zacks Recommendation:**

**Neutral**

(Since: 10/05/20)

Prior Recommendation: Outperform

Short Term: 1-3 Months

**Zacks Rank:** (1-5)

**3-Hold**

Zacks Style Scores:

VGM:C

Value: D

Growth: B

Momentum: D

### Summary

Shares of Monster Beverage have outperformed the industry in the past six months, mainly due to continued strength in its energy drinks' brands. This has been driving the company's overall performance. Apparently, it reported a stellar third-quarter 2020, with both the top and bottom lines beating the Zacks Consensus Estimate and increasing year over year, despite the ongoing adverse pandemic impacts. Also, leveraged operating expense is aiding operating margin. Monster Beverage remains committed to various product launches and innovation to boost growth. In fact, management remains on track to various launches in 2020. However, the pandemic-related woes still remain. In addition, the food service on-premise channel has been challenged. Apart from these, unfavorable foreign currency movements and stiff competition remain concerns.

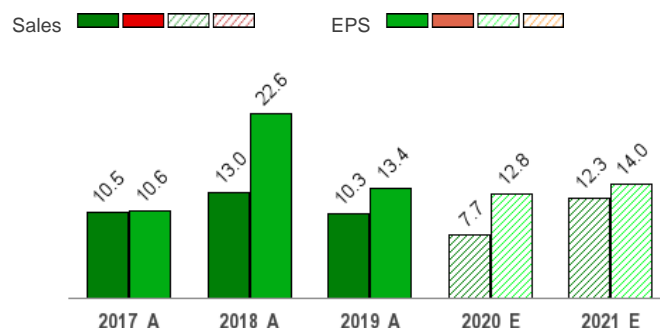
### Price, Consensus & Surprise



### Data Overview

52-Week High-Low	<b>\$88.89 - \$50.06</b>
20-Day Average Volume (Shares)	<b>1,787,528</b>
Market Cap	<b>\$46.6 B</b>
Year-To-Date Price Change	<b>38.8%</b>
Beta	<b>1.10</b>
Dividend / Dividend Yield	<b>\$0.00 / 0.0%</b>
Industry	<b>Beverages - Soft drinks</b>
Zacks Industry Rank	<b>Bottom 15% (215 out of 254)</b>

### Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	<b>3.2%</b>
Last Sales Surprise	<b>0.6%</b>
EPS F1 Estimate 4-Week Change	<b>0.6%</b>
Expected Report Date	<b>02/25/2021</b>
Earnings ESP	<b>-3.5%</b>
P/E TTM	<b>39.6</b>
P/E F1	<b>38.5</b>
PEG F1	<b>3.2</b>
P/S TTM	<b>10.5</b>

### Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2021	1,154 E	1,287 E	1,363 E	1,216 E	5,084 E
2020	1,062 A	1,094 A	1,246 A	1,121 E	4,526 E
2019	946 A	1,104 A	1,134 A	1,017 A	4,201 A

### EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021	\$0.59 E	\$0.70 E	\$0.73 E	\$0.61 E	\$2.61 E
2020	\$0.52 A	\$0.59 A	\$0.65 A	\$0.54 E	\$2.29 E
2019	\$0.48 A	\$0.53 A	\$0.55 A	\$0.47 A	\$2.03 A

\*Quarterly figures may not add up to annual.

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 12/08/2020. The reports text is as of 12/09/2020.

## Overview

Monster Beverage Corporation, headquartered in Corona, CA, is a marketer and distributor of energy drinks and alternative beverages. Incorporated in 1990 in Delaware, Monster Beverage was previously known as Hansen Natural Corporation. In 1992, the company acquired the Hansen Beverage business.

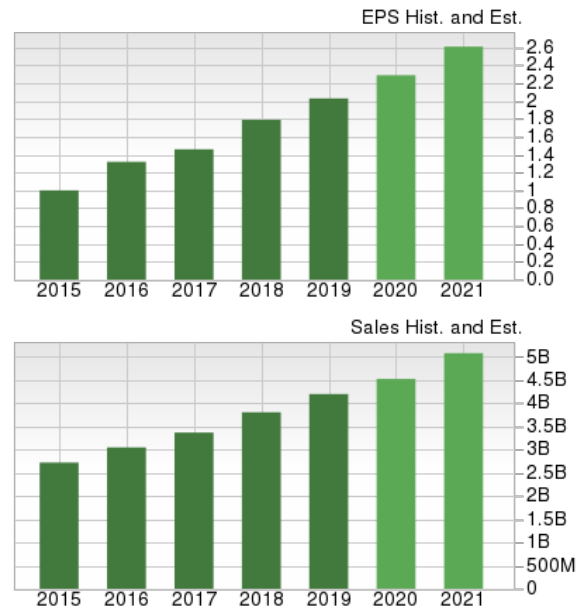
On Jun 12, 2015, Monster Beverage closed a deal with The Coca-Cola Company (TCCC). Per this long-term strategic deal, Coca-Cola acquired an approximate 16.7% equity stake in Monster Beverage. Coca Cola also transferred ownership of global energy drinks business, which includes brands like NOS, Full Throttle, to Monster Beverage. In exchange, Monster Beverage transferred non-energy business to TCCC.

Monster Beverage reports results under three operating segments:

**Monster Energy Drinks** (92.9% of net sales in FY19): Monster Energy Drinks Segment includes the former Direct Store Delivery segments, excluding Peach Tea brand. This segment comprises mostly Monster Energy brand products.

**Strategic Brands** (6.5%): The Strategic Brands segment includes brands acquired from the "TCCC Transaction". Monster Beverage observes the same business model with acquired brands as their previous owner.

**Other** (0.5%): The Other segment includes the former warehouse segment and the Peach Tea brand. The segment also includes products acquired from the AFF Transaction that are sold to independent third-parties. On Apr 1, 2016, the company acquired the concentrate and flavor business of American Fruits and Flavors (AFF).



Source: Zacks Investment Research

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## Reasons To Buy:

- ▲ **Robust Q3 Performance:** Shares of Monster Beverage have gained 25.2% in the past six months compared with the industry's 9.6% growth. The company posted impressive third-quarter 2020 results. Despite the adverse impacts of the pandemic, earnings and sales improved on a year-over-year basis. The company saw continued growth in e-commerce, club store, mass merchandiser and grocery-related business during the quarter. The top-line growth was aided by increased at-home consumption trends owing to a shift in consumer preferences for shopping channel and packaging options. Further, foot traffic at its largest convenience and gas channel has been witnessing improved trends since the latter half of second-quarter 2020, which continued throughout the third quarter.

Monster Beverage delivered a sturdy third-quarter 2020. Increased at-home consumption trends owing to a shift in consumer preferences for shopping channel aided results.

Moreover, Monster Beverage's supply chain remains unaffected, with no major impact on raw material and finished product shortages. The company is also continually managing its aluminum can requirements to meet the growth in volume, despite the current industry-wide supply constraints for aluminum cans.

- ▲ **Operating Margin Expansion:** During the third quarter of 2020, operating income grew nearly 16% year over year with margin expansion of 190 basis points (bps). Higher operating margin was driven by leveraged operating expense as a rate of sales. In the quarter, operating expense declined 220 bps as a percentage of sales, driven by reduced costs related to sponsorship and endorsements, as well as lower travel and entertainment costs as a result of the ongoing pandemic. Selling expenses, as a percentage of net sales, decreased 230 bps. Although distribution costs, as a percentage of net sales, expanded 20 bps, general and administrative expenses as a percentage of net sales remained flat year over year.

- ▲ **Sturdy Energy Drinks Category:** Monster Beverage has been experiencing continued strength in its energy drinks category, which is driving performance. In third-quarter 2020, the segment's net sales rose 9.6% year over year to \$1.16 billion. Also, sales of the energy brands, including Reign, rose 7.3% in the 4-week period ended Oct 24, 2020 in the convenience and gas channel.

We note that the company offers a wide range of energy drinks brands such as Monster Energy, Java Monster, Cafe Monster, Espresso Monster, Monster Energy Mule, Juice Monster Pipeline Punch, Juice Monster Pacific Punch, Juice Monster Mango Loco, Monster Ultra Paradise, Monster Hydra Sport, among others. Moving ahead, management is optimistic about strength in the energy drinks category with the Monster Energy brand growing significantly. Also, the product launches across the Monster family will drive the company's overall top and bottom lines.

- ▲ **Product Innovations & Launches to Drive Top Line:** Product innovation plays a significant role in the company's success. Monster Beverage remains committed to product launches and innovation to boost growth. During third-quarter 2020 and through early October, it launched many Monster Energy brand energy drinks, Reign Total Body Fuel high-performance energy drinks, and affordable energy brands in several domestic as well as international markets. It launched brands like Reign Total Body Fuel, Lilikoi Lychee, Ultra Watermelon, Ultra Rosa, Juice Monster Papillon, Juice Monster Khaotic, Ultra Paradise and Espresso Monster across many countries. Also, Monster Ultra Paradise was rolled out in Iceland, Poland, South Africa and Malta, and is currently available across 18 EMEA markets. Moreover, Espresso Monster, mocha and vanilla variants are presently available in 21 markets in EMEA while Reign Total Body Fuel is available across eight markets. In China, the company has been receiving positive consumer feedback for the distribution of its new non-carbonated Monster Energy Dragon Tea in May 2020.

Going forward, management remains on track to various launches this year. It is planning to launch Juice Monster Mango Loco in the additional seven markets this year. Also, Monster Ultra is expected to roll out in the additional three markets and Monster Mule in the additional five markets. It also expects to launch Reign Total Body Fuel in additional four markets in 2020.

- ▲ **Financials & Share Buybacks:** Apart from boasting a healthy balance sheet, Monster Beverage undertakes shareholder-friendly actions via share repurchases. It ended third-quarter 2020 with cash and cash equivalents of \$1,074.7 million, which reflects an increase of 16.7% on a sequential basis. In the preceding quarter, the company bought back 0.3 million shares for \$15.6 million (excluding broker commissions), with an average price of \$52.88 per share. As of Nov 5, 2020, it had \$441.5 million remaining under the previously authorized share repurchase plan.

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## Reasons To Sell:

- ▼ **Valuation Looks Stretched:** Considering price-to-earnings (P/E) ratio, Monster Beverage looks pretty overvalued when compared with the industry and the S&P 500. The stock has a trailing 12-month P/E ratio of 39.55, which is higher than the median level of 33.90 but below the high level of 40.62 scaled in the past year. On the contrary, the trailing 12-month P/E ratio is 26.95 for the industry and 26.74 for the S&P 500. Given these factors, we believe that the stock is quite stretched from the P/E aspect.
- ▼ **Near-Term Headwinds:** Although Monster Beverage delivered a sturdy quarter, it expects the pandemic-related impacts to be a heightened threat in a number of countries, including EMEA, as these are reinstituting lockdowns and other restrictions due to a second COVID-19 wave. Moreover, the COVID-19 pandemic concerns still remain. These factors may adversely affect the product introductions moving ahead. In addition, the food service on-premise channel has been challenged.
- ▼ **Unfavorable Foreign Currency:** Monster Beverage's significant international presence exposes it to foreign currency risks, which have been hurting its performance. Apparently, currency fluctuations weighed on net and gross sales by \$12.5 million and \$11.9 million, respectively, during the third quarter of 2020. Further, net sales at the Monster Energy Drinks and Strategic Brands segments were adversely impacted by roughly \$11.6 million and \$0.9 million, respectively, from currency.
- ▼ **Industry Headwinds & Stiff Competition:** Apart from higher costs, changes in consumer tastes and preferences are major concern in the beverage industry. Health-conscious consumers are opting for better and healthier beverage alternatives like ready-to-drink tea and bottled water. The shift in consumers' preferences is impacting the volumes of soda beverages and energy drinks. Furthermore, Monster Beverage faces tough competition from other energy drink companies and shifting consumers' tastes. All these factors might exert pressure on the company's top and bottom lines.

Monster Beverage's food service on-premise channel has been challenged. Also, concerns related to the COVID-19 pandemic and foreign currency fluctuations remain.

## Last Earnings Report

### Monster Beverage Q3 Earnings & Sales Beat Estimates

Monster Beverage posted better-than-expected third-quarter 2020 results. Despite adverse impacts of the ongoing COVID-19 pandemic, earnings and sales improved on a year-over-year basis.

Going forward, management doesn't foresee any material impact of the COVID-19 pandemic on the functioning of its co-packers and bottlers/distributors that manufacture and distribute products, respectively. Moreover, Monster Beverage's supply chain remains unaffected, with no major impact on raw material and finished product shortages. The company is also continually managing its aluminum can requirements to meet the growth in volume, despite the current industry-wide supply constraints for aluminum cans.

Quarter Ending	09/2020
Report Date	Nov 05, 2020
Sales Surprise	0.56%
EPS Surprise	3.17%
Quarterly EPS	0.65
Annual EPS (TTM)	2.23

### Q3 Highlights

Monster Beverage's earnings of 65 cents per share rose 19.6% year over year and outpaced the Zacks Consensus Estimate of 63 cents. Net sales of \$1,246.4 million improved 9.9% year over year and surpassed the Zacks Consensus Estimate of \$1,239.4 million.

Moreover, gross sales (net of discounts and returns) advanced 11.1% from the prior-year quarter to \$1,464.4 million. Also, unfavorable currency fluctuations weighed on net and gross sales by \$12.5 million and \$11.9 million, respectively. Despite persistent adverse impacts of the COVID-19 pandemic, the company's third-quarter 2020 sales marked the highest quarterly sales ever recorded and record sales for the third quarter.

The top-line growth was aided by increased at-home consumption trends owing to a shift in consumer preferences for shopping channel and packaging options. Notably, the company witnessed robust sales trends across e-commerce, club store, mass merchandiser and grocery and related businesses. Further, foot traffic at its largest convenience and gas channel has been witnessing improved trends since the latter half of second-quarter 2020, which continued throughout the third quarter. However, the food service on-premise channel, which forms small part of the company's business, remained affected during the quarter.

Although the EMEA region reflected significant impacts of the pandemic, it reported sequential net sales growth for both Monster Energy and Strategic Brands segments. Moreover, the company's supply chain remains unaffected, leading to uninterrupted services to customers.

During the quarter and through early October, it launched many Monster Energy brand energy drinks, Reign Total Body Fuel high-performance energy drinks, and affordable energy brands in several domestic as well as international markets.

### Segmental Performance

**Monster Energy Drinks:** The segment primarily includes brands like Monster Energy drinks and Reign Total Body Fuel high performance energy drinks. The segment's net sales increased 9.6% year over year to \$1.16 billion. The segment's sales included a negative impact of \$11.6 million from unfavorable currency rates.

**Strategic Brands:** In addition to affordable energy drink brands, the segment includes a range of energy drink brands acquired from Coca-Cola. The segment's net sales improved 12% year over year to \$74.3 million for the third quarter. Currency headwinds marred the segment's results by \$0.9 million.

**Other:** Net sales in the segment, which includes some products of American Fruits & Flavors sold to independent third parties (AFF Third-Party Products), grew 45.8% year over year to \$8.6 million.

### Costs & Margins

The company's third-quarter 2020 gross margin contracted 30 basis points (bps) to 59.1%. Operating expense inched up 0.1% year over year to \$277.9 million. As a percentage of sales, operating expense declined 220 bps to 22.3%, driven by reduced costs related to sponsorship and endorsements, as well as lower travel and entertainment costs as a result of the ongoing pandemic.

Selling expenses, as a percentage of net sales, decreased 230 bps to 8.8%. Meanwhile, distribution costs, as a percentage of net sales, expanded 20 bps to 3.5%. General and administrative expenses, as a percentage of net sales, remained flat at 10.1%.

Operating income of \$458.6 million grew nearly 16% year over year. Moreover, operating margin expanded 190 bps to 36.8% for the reported quarter.

### Other Financials

Monster Beverage ended the third quarter with cash and cash equivalents of \$1,074.7 million, and total stockholders' equity of \$4,629.3 million.

In the reported quarter, the company did not buyback any shares. As of Nov 5, 2020, it had \$441.5 million remaining under the previously authorized share repurchase plan.

## Valuation

Monster Beverage shares are up 38.8% for the year-to-date and nearly 43.4% the trailing 12-month period. Stocks in the Zacks sub-industry are up 0.4% while the Zacks Consumer Staples sector is at break-even, in the year-to-date period. Over the past year, the Zacks sub-industry and sector are up 2.1% and 2.2%, respectively.

The S&P 500 index is up 15.1% in the year-to-date period and 18.4% in the past year.

The stock is currently trading at 34.05X forward 12-month earnings, which compares to 24.03X for the Zacks sub-industry, 20.51X for the Zacks sector and 22.9X for the S&P 500 index.

Over the past five years, the stock has traded as high as 42.78X and as low as 21.8X, with a 5-year median of 30.91X. Our Neutral recommendation indicates that the stock will perform in line with the market. Our \$93 price target reflects 35.9x forward 12-month earnings.

The table below shows summary valuation data for MNST

Valuation Multiples - MNST					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	34.05	24.03	20.51	22.9
	5-Year High	42.78	24.03	22.42	23.47
	5-Year Low	21.8	18.48	16.5	15.27
	5-Year Median	30.91	21.9	19.58	17.77
P/S F12M	Current	9.22	4.78	10.72	4.31
	5-Year High	10.5	5.38	11.97	4.31
	5-Year Low	5.85	3.87	8.6	3.17
	5-Year Median	8.1	4.62	10.51	3.68
EV/EBITDA TTM	Current	27.87	22.09	39.57	16.53
	5-Year High	31.75	22.23	45.76	16.53
	5-Year Low	17.75	12.29	27.39	9.54
	5-Year Median	23.75	18.02	38.92	13.14

As of 12/08/2020

Source: Zacks Investment Research

## Industry Analysis Zacks Industry Rank: Bottom 15% (215 out of 254)



## Top Peers

Company (Ticker)	Rec	Rank
National Beverage Corp. (FIZZ)	Outperform	2
Embotelladora Andina S.A. (AKO.B)	Neutral	2
Britvic PLC Sponsored ADR (BTVCY)	Neutral	3
Carlsberg AS (CABGY)	Neutral	2
COCACOLA HBC (CCHGY)	Neutral	3
CocaCola Amatil Ltd. (CCLAY)	Neutral	3
Altria Group, Inc. (MO)	Neutral	3
Molson Coors Beverage Company (TAP)	Neutral	2

The positions listed should not be deemed a recommendation to buy, hold or sell.

Industry Comparison Industry: Beverages - Soft Drinks				Industry Peers		
	MNST	X Industry	S&P 500	CABGY	CCLAY	TAP
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Neutral
Zacks Rank (Short Term)	3	-	-	2	3	2
VGM Score	C	-	-	B	A	D
Market Cap	46.56 B	143.52 M	25.87 B	22.55 B	6.82 B	19.45 B
# of Analysts	8	2	13	2	2	6
Dividend Yield	0.00%	0.00%	1.49%	1.34%	1.29%	0.00%
Value Score	D	-	-	B	B	B
Cash/Price	0.04	0.07	0.06	0.05	0.09	0.04
EV/EBITDA	30.31	2.50	14.64	NA	NA	15.83
PEG F1	3.22	4.11	2.78	NA	NA	3.01
P/B	10.06	4.20	3.60	3.69	6.19	1.41
P/CF	40.44	11.11	13.88	14.06	18.76	5.58
P/E F1	38.55	25.32	21.96	25.40	33.64	11.21
P/S TTM	10.54	1.57	2.83	NA	NA	1.62
Earnings Yield	2.60%	3.76%	4.34%	3.94%	2.97%	8.93%
Debt/Equity	0.00	0.40	0.70	0.69	1.18	0.52
Cash Flow (\$/share)	2.18	0.50	6.94	2.17	0.50	8.59
Growth Score	B	-	-	B	A	D
Historical EPS Growth (3-5 Years)	18.62%	9.19%	9.69%	NA	NA	7.31%
Projected EPS Growth (F1/F0)	12.81%	0.02%	1.00%	-1.64%	-44.00%	-5.84%
Current Cash Flow Growth	9.91%	9.45%	5.22%	7.49%	-25.78%	-5.29%
Historical Cash Flow Growth (3-5 Years)	18.17%	13.28%	8.33%	0.41%	8.15%	11.28%
Current Ratio	3.65	1.48	1.38	0.67	1.64	0.61
Debt/Capital	0.00%	33.44%	42.00%	40.76%	54.03%	34.10%
Net Margin	26.99%	1.96%	10.40%	NA	NA	4.86%
Return on Equity	28.24%	8.04%	14.99%	NA	NA	7.35%
Sales/Assets	0.84	0.79	0.50	NA	NA	0.42
Projected Sales Growth (F1/F0)	7.74%	0.00%	0.35%	-10.22%	-29.76%	-7.08%
Momentum Score	D	-	-	F	D	F
Daily Price Change	1.18%	0.00%	0.22%	0.41%	0.43%	0.57%
1-Week Price Change	3.91%	3.56%	1.73%	1.85%	1.88%	1.58%
4-Week Price Change	8.11%	8.14%	4.15%	1.01%	1.18%	11.99%
12-Week Price Change	6.09%	5.42%	13.90%	11.48%	40.39%	39.78%
52-Week Price Change	43.39%	-5.49%	6.88%	4.33%	24.44%	-6.41%
20-Day Average Volume (Shares)	1,787,528	280,077	1,960,269	60,820	7,387	2,533,069
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	0.60%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 12-Week Change	1.33%	1.33%	3.87%	7.14%	-3.45%	16.01%
EPS Q1 Estimate Monthly Change	-0.49%	0.00%	0.00%	NA	NA	0.00%

Source: Zacks Investment Research



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## Zacks Stock Rating System

We offer two rating systems that take into account investors' holding horizons: Zacks Rank and Zacks Recommendation. Each provides valuable insights into the future profitability of the stock and can be used separately or in combination with each other depending on your investment style.

### Zacks Recommendation

The Zacks Recommendation aims to predict performance over the next 6 to 12 months. The foundation for the quantitatively determined Zacks Recommendation is trends in the company's estimate revisions and earnings outlook. The Zacks Recommendation is broken down into 3 Levels; Outperform, Neutral and Underperform. Unlike many Wall Street firms, we maintain a balance between the number of Outperform and Neutral recommendations. Our team of 70 analysts are fully versed in the benefits of earnings estimate revisions and how that is harnessed through the Zacks quantitative rating system. But we have given our analysts the ability to override the Zacks Recommendation for the 1200 stocks that they follow. The reason for the analyst over-rides is that there are often factors such as valuation, industry conditions and management effectiveness that a trained investment professional can spot better than a quantitative model.

### Zacks Rank

The Zacks Rank is our short-term rating system that is most effective over the one- to three-month holding horizon. The underlying driver for the quantitatively-determined Zacks Rank is the same as the Zacks Recommendation, and reflects trends in earnings estimate revisions.

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### Zacks Style Scores

The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.

Value Score	D
Growth Score	B
Momentum Score	D
VGM Score	C

As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

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## Disclosures

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**Returns quoted represent past performance which is no guarantee of future results.** Investment returns and principal value will fluctuate so that when shares are redeemed, they may be worth more or less than their original cost. Current performance may be higher or lower than the performance shown.

Investing involves risk; principal loss is possible. There is no guarantee that companies that can issue dividends will declare, continue to pay or increase dividends.

## Glossary of Terms and Definitions

**52-Week High-Low:** The range of the highest and lowest prices at which a stock has traded during the past year. This range is determined based on the stock's daily closing price which may differ from the intra-day high or low. Many investors use it as a technical indicator to determine a stock's current value and future price movement. The idea here is that if price breaks out from the 52-week range, in either direction, the momentum may continue in the same direction.

**20-Day Average Volume (Shares):** The average number of shares of a company traded in a day over the last 20 days. It is a direct indication of a security's overall liquidity. The higher the average daily trading volume, the easier it is to enter or exit the stock at a desired price with more buyers and sellers being available.

**Daily Price Change:** This is the percentage difference between a trading day's closing price and the prior trading day's closing price. This item is updated at 9 p.m. EST each day.

**1-Week Price Change:** This is the percentage change in a stock's closing price over the last 5 trading days. This change reflects the collective buying and selling sentiment over the 1-week period.

A strong weekly price increase for the stock, especially when accompanied by increased volume, is an indication of it gaining momentum.

**4-Week Price Change:** This is the percentage change in a stock's closing price over the last 20 trading days or past 4 weeks. This is a medium-term price change metric and an indication of the stock gaining momentum.

**12-Week Price Change:** This is the percentage change of a stock's closing price over the last 60 trading days or past 12 weeks. Similar to 4-week price change, this is a medium-term price change metric. It shows whether a stock has been enjoying strong investor demand, or if it has been in consolidation, or distress over this period.

**52-Week Price Change:** This is the percentage change in a stock's closing price over the last 260 trading days or past 52 weeks. This long-term price change metric is a good reference point for investors. Some investors seek stocks with the best percentage price change over the last 52 weeks, expecting the momentum to continue.

**Market Cap:** The number of outstanding common shares of a company times its latest price per share. This figure represents a company's size, which indicates various characteristics, including price stability and risk, in which investors could be interested.

**Year-To-Date Price Change:** Change in a stock's daily closing price in the period of time beginning the first day of the current calendar year through to the previous trading day.

**# of Analysts:** Number of EPS estimates used in calculating the current-quarter consensus. These estimates come from the brokerage analysts tracking this stock. However, the number of such analysts tracking this stock may not match the number of estimates, as all brokerage analysts may not come up with an estimate or provide it to us.

**Beta:** A measure of risk commonly used to compare the volatility of a stock to the overall market. The S&P 500 Index is the base for calculating beta and carries a value of 1. A stock with beta below 1 is less risky than the market as a whole. And a stock with beta above 1 is riskier.

**Dividend:** The portion of earnings a company is expected to distribute to its common shareholders in the next 12 months for each share they own. Dividends are usually paid quarterly. Dividend payments reflect positively on a company and help maintain investors' trust. Investors typically find dividend-paying stocks appealing because the dividend adds to any market price appreciation to result in higher return on investment (ROI). Moreover, a steady or increasing dividend payment provides investors a cushion in a down market.

**Dividend Yield:** The ratio of a company's annual dividend to its share price. The annual dividend used in the ratio is calculated based on the most recent dividend paid by the company. Dividend yield is an estimate of the dividend-only return from a stock in the next 12 months. Since dividend itself doesn't change frequently, dividend yield usually changes with a stock's price movement. As a result, often an unusually high dividend yield is a result of weak stock price.

**S&P 500 Index:** The Standard & Poor's 500 (S&P 500) Index is an unmanaged group of securities considered to be representative of the stock market in general. It is a market-capitalization-weighted index of stocks of the 500 largest U.S. companies. Each stock's weight in the index is proportionate to its market value.

**Industry:** One of the 250+ groups that Zacks classifies all stocks into based on the nature of business. These groups are termed as expanded (aka "X") industries and map to their respective (economic) sectors; Zacks has 16 sectors.

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**Zacks Industry Rank:** The Zacks Industry Rank is determined by calculating the average Zacks Rank for all stocks in the industry and then assigning an ordinal rank to it. For example, an industry with an average Zacks Rank of 1.6 is better than an industry with an average Zacks Rank of 2.3. So, the industry with the better average Zacks Rank would get a better Zacks Industry Rank. If an industry has the best average Zacks Rank, it would be considered the top industry (1 out of 250+), which would place it at the top 1% of Zacks-ranked industries. Studies have shown that roughly half of a stock's price movement can be attributed to the industry group it belongs to. In fact, the top 50% of Zacks-ranked industries outperforms the bottom 50% by a factor of more than 2 to 1.

**Last EPS Surprise:** The percentage deviation of a company's last reported earnings per share from the Zacks Consensus Estimate. Companies with a positive earnings surprise are more likely to surprise again in the future (or miss again if they recently missed).

**Last Sales Surprise:** The percentage deviation of a company's last reported sales from the Zacks Consensus Estimate.

**Expected Report Date:** This is an estimated date of a company's next earnings release. The information originated or gathered by Zacks Investment Research from its information providers or publicly available sources is the basis of this estimate.

**Earnings ESP:** The Zacks Earnings ESP compares the Most Accurate Estimate to the Zacks Consensus Estimate for the yet-to-be reported quarter. The Most Accurate Estimate is the most recent version of the Zacks Consensus EPS Estimate. The idea here is that analysts revising their estimates closer to an earnings release have the latest information, which could potentially be more accurate than what they and others contributing to the consensus had predicted earlier. Thus, a positive or negative Earnings ESP reading theoretically indicates the likely deviation of the actual earnings from the consensus estimate. However, the model's predictive power is significant for positive ESP readings only. A positive Earnings ESP is a strong predictor of an earnings beat, particularly when combined with a Zacks Rank #1 (Strong Buy), #2 (Buy) or #3 (Hold). Our research shows that stocks with this combination produce a positive surprise nearly 70% of the time.

**Periods:**

**TTM:** Trailing 12 months. Using TTM figures is an effective way of analyzing the most-recent financial data in an annualized format that helps neutralize the effects of seasonality and other quarter-to-quarter variation.

**F1:** Current fiscal year. This period is used to analyze the estimates for the ongoing full fiscal year.

**F2:** Next fiscal year. This period is used to analyze the estimates for the next full fiscal year.

**F12M:** Forward 12 months. Using F12M figures is an effective way of analyzing the near-term (the following four unreported quarters) estimates in an annualized manner. Instead of typically representing estimates for the full fiscal year, which may not represent the nitty-gritty of each quarter, F12M figures suggest an all-inclusive annualized estimate for the following four quarters. The annualization helps neutralize the potential effects of seasonality and other quarter-to-quarter variations.

**P/E Ratio:** The price-to-earnings ratio measures a company's current market price per share relative to its earnings per share (EPS). Usually, the trailing-12-month (TTM) EPS, current-fiscal-year (F1) EPS estimate, or forward-12-month (F12M) EPS estimate is used as the denominator. In essence, this ratio shows what the market is willing to pay today for each dollar of EPS. In other words, this ratio gives a sense of what the relative value of the company is at the already reported level of earnings or at a future level of earnings.

It is one of the most widely-used multiples for determining the value of a company and helps comparing its valuation with that of a competitor, the industry group or a benchmark.

**PEG Ratio:** The price/earnings to growth ratio is a stock's P/E ratio using current fiscal year (F1) EPS estimate divided by its expected EPS growth rate over the coming 3 to 5 years. This ratio essentially determines a stock's value by factoring in the company's expected earnings growth and is thus believed to provide a more complete picture than just the P/E ratio, particularly for faster-growing companies.

**P/S Ratio:** The price-to-sales ratio is calculated as a company's current price per share divided by trailing 12 months (TTM) sales or revenues per share. This ratio shows what the market is willing to pay today for each dollar of TTM sales per share. The P/S ratio is at times the only valuation metric when the company has yet to become profitable.

**Cash/Price Ratio:** The cash-to-price ratio or Cash Yield is calculated as cash and marketable securities per share divided by the company's current share price. Like the earnings yield, which shows the anticipated yield (or return) on a stock from earnings for each dollar invested, the cash yield does the same, with cash being the source of return instead of earnings. For example, a cash/price ratio of 0.08 suggests a return of 8% or 8 cents for every \$1 investment.

**EV/EBITDA Ratio:** The EV/EBITDA ratio, also known as Enterprise Multiple, is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by EBITDA (earnings before interest, taxes, depreciation and amortization). Usually, trailing-12-month (TTM) or forward-12-month (F12M) EBITDA is used as the denominator.

**EV/Sales Ratio:** The enterprise value-to-sales ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by annual sales. It is an expansion of the P/S valuation, which uses market value instead of enterprise value. The EV/Sales ratio is perceived as more accurate than P/S, in part, because the market capitalization does not take a company's debt into account when valuing it.

**EV/CF Ratio:** The enterprise value-to-cash flow ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by the trailing-12-month (TTM) operating cash flow. It's a measure of how long it would take to buy the entire business if you were able to use all the company's operating cash flow.

The EV/CF ratio is perceived as more accurate than the P/CF ratio, in part, because the market price does not take a company's debt into account when valuing it.

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**EV/FCF Ratio:** The enterprise value-to-free cash flow metric compares a company's enterprise value to its trailing-12-month (TTM) free cash flow (FCF). This metric is very similar to the EV/CF ratio, but is considered a more exact measure owing to the fact that it uses free cash flow, which subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding growth activities and payments to shareholders.

**P/EBITDA Ratio:** The P/EBITDA ratio is calculated as a company's per share market value divided by EBITDA (earnings before interest, taxes, depreciation, and amortization). This metric is very similar to the EV/EBITDA ratio, but is considered a little less exact measure as it uses market price, which does not take a company's debt into account. However, since EBITDA is often considered a proxy for cash income, the metric is used as a measure of what the market is willing to pay today for each dollar of the company's cash profitability in the trailing 12 months (TTM) or forward 12 months (F12M).

**P/B Ratio:** The price-to-book ratio is calculated as a company's current price per share divided by its book value (total assets – liabilities – preferred stocks) per share. In short, the book value is how much a company is worth. In other words, it reflects the total value of a company's assets that its common shareholders would receive if it were to be liquidated. So, the P/B ratio indicates whether you're paying higher or lower than what would remain if the company went bankrupt immediately. Investors typically use this metric to determine how a company's stock price stacks up to its intrinsic value.

**P/TB Ratio:** The price-to-tangible-book value ratio is calculated as a the per share market value of a company divided by the value of its tangible assets (total assets – liabilities – preferred stocks – intangible assets) per share. Tangible book value is the same thing as book value except it excludes the value of intangible assets to get a step closer to the baseline value of the company.

**P/CF Ratio:** The price-to-cash flow ratio measures a company's per share market price relative to its trailing-12-month (TTM) operating cash flow per share. This metric is used to determine whether a company is undervalued or overvalued relative to another stock, industry or sector. And like the P/E ratio, a lower number is typically considered better from the value perspective.

One of the reasons why P/CF ratio is often preferred over P/E ratio is the fact that operating cash flow adds back non-cash expenses such as depreciation and amortization to net income. This feature helps valuing stocks that have positive cash flow but are not profitable because of large noncash charges.

**P/FCF Ratio:** The price-to-free cash flow ratio is an extension of P/CF ratio, which uses trailing-12-month (TTM) free cash flow per share instead of operating cash flow per share. This metric is considered a more exact measure than P/CF ratio, as free cash flow subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding activities that generate additional revenues.

**Earnings Yield:** The earnings yield is calculated as current fiscal year (F1) EPS estimate divided by the company's current share price. The ratio, which is the inverse of the P/E ratio, measures the anticipated yield (or return) from earnings for each dollar invested in a stock today.

For example, earnings yield for a stock, which is trading at \$35 and expected to earn \$3 per share in the current fiscal year (F1), would be 0.0857 ( $3/35 = 0.0857$ ) or 8.57%. In other words, for \$1 invested in the stock today, the yield from earnings is anticipated to be 8.57 cents.

Investors most commonly compare the earnings yield of a stock to that of a broad market index (such as the S&P 500) and prevailing interest rates, such as the current 10-year Treasury yield. Since bonds and stocks compete for investors' dollars, stock investors typically demand a higher yield for the extra risk they assume compared to investors of U.S. Treasury-backed securities that offer virtually risk-free returns. This additional return is referred to as the risk premium.

**Debt/Equity Ratio:** The debt-to-equity ratio is calculated as a company's total liabilities divided by its shareholder equity. This metric is used to gauge a company's financial leverage. In other words, it is a measure of the degree to which a company is financing its operations through debt versus its own funds. The higher the ratio, the higher the risk for shareholders.

However, this ratio is difficult to compare across industry groups where ideal amounts of debt vary. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-equity ratio should be compared with other companies in the same industry.

**Cash Flow (\$/share):** Cash flow per share is calculated as operating cash flow (after-tax earnings + depreciation + other non-cash charges) divided by common shares outstanding. It is used by many investors as a measure of a company's financial strength. Since cash flow per share takes into consideration a company's ability to generate cash by adding back non-cash expenses, it is regarded by some as a more accurate measure of a company's financial situation than earnings per share, which could be artificially deflated.

**Current Ratio:** The current ratio or liquidity ratio is a company's current assets divided by its current liabilities. It measures a company's ability to pay short-term obligations. A current ratio that is in line with the industry average or slightly higher is generally considered acceptable. A current ratio that is lower than the industry average would indicate a higher risk of distress or default. A higher number is usually better. However, a very high current ratio compared to the industry average could be an indication of inefficient use of assets by management.

**Debt/Capital Ratio:** Debt-to-capital ratio is a company's total debt (interest-bearing debt + both short- and long-term liabilities) divided its total capital (interest-bearing debt + shareholders' equity). It is a measure of a company's financial leverage. All else being equal, the higher the debt-to-capital ratio, the riskier the stock.

However, this ratio can vary widely from industry to industry, the ideal amount of required debt being different. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-capital ratio should be compared with the same for its industry.

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**Net Margin:** Net margin is calculated as net income divided by sales. It shows how much of each dollar in sales generated by a company translates into profit. For example, if a company's net margin is 15%, its net income is 15 cents for every \$1 of sales it makes.

A change in margin can reflect either a change in business conditions, or a company's cost controls, or both. If a company's expenses are growing faster than sales, its net margin will decline. However, different net margin rates are considered good for different industries, so it's better to compare net margin rates of companies in the same industry group.

**Return on Equity:** Return on equity (ROE) is calculated as trailing-12-month net income divided by trailing-12-month average shareholder equity (including reinvested earnings). This metric is considered a measure of how effectively management is using a company's assets to generate profits. For example, if a company's ROE is 10%, it creates 10 cents profits for every \$1 shareholder equity, which is basically the company's assets minus debt. A company's ROE deemed good or bad depends on what's normal for its peers or industry group.

**Sales/Assets Ratio:** The sales-to-assets ratio or asset utilization ratio or asset turnover ratio is calculated as a company's annual sales divided by average assets (average of assets at the beginning of the year and at the year's end). This metric helps investors understand how effectively a company is using its assets to generate sales. For example, a sales-to-assets ratio of 2.5 indicates that the company generated \$2.50 in sales for every \$1 of assets on its books.

The higher the sales-to-assets ratio, the better the company is performing. However, similar to many other ratios, the asset turnover ratio tends to be higher for companies in certain industries/sectors than in others. So, a company's sales-to-assets ratio should be compared with the same for its industry/sector.

**Historical EPS Growth (3-5 Years):** This is the average annual (trailing-12-month) EPS growth rate over the last 3-5 years. This metric helps investors see how a company's EPS has grown from a long-term perspective.

Note: There are many factors that can influence short-term numbers — a recession will reduce this number, while a recovery will inflate it. The longterm perspective helps smooth out short-term events.

**Projected EPS Growth (F1/F0):** This is the estimated EPS growth rate for the current financial year. It is calculated as the consensus estimate for the current fiscal year (F1) divided by the reported EPS for the last completed fiscal year (F0).

**Current Cash Flow Growth:** It measures the latest year-over-year change in operating cash flow. Cash flow growth tells an investor how quickly a company is generating inflows of cash from operations. A positive change in the cash flow is desired and shows that more 'cash' is coming in than going out.

**Historical Cash Flow Growth (3-5 Years):** This is the annualized change in cash flow over the last 3-5 years. The change in a longer period helps put the current reading into proper perspective. By looking at the rate, rather than the actual dollar value, the comparison across the industry and peers becomes easier.

**Projected Sales Growth (F1/F0):** This metric looks at the estimated sales growth for the current year. It is calculated as sales estimate for the current fiscal year (F1) divided by the reported sales for the last completed fiscal year (F0).

Like EPS growth, a higher rate is better for sales growth. A look at a company's projected sales growth instantly tells you what the outlook is for their products and services. However, different sales growth rates are considered good for different industries, so it's better to compare sales growth rates of companies in the same industry group.

**EPS F1 Estimate 1-Week Change:** The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past week. The change in a company's consensus EPS estimate (or earnings estimate revision) has proven to be strongly correlated with the near-term price movement of its shares. It is an integral part of the Zacks Rank.

If a stock's consensus EPS estimate is \$1.10 now versus \$1.00 a week ago, that will be reflected as a 10% upward revision. If, on the other hand, it went from \$1.00 to 90 cents, that would be a 10% downward revision.

**EPS F1 Estimate 4-Week Change:** The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past four weeks.

A stock's earnings estimate revision in a 1-week period is important. But it's more meaningful to look at the longer-term revision. And, of course, the 4-week change helps put the 1-week change into proper perspective.

**EPS F1 Estimate 12-Week Change:** The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past 12 weeks.

This metric essentially shows how the consensus EPS estimate has changed over a period longer than 1 week or 4 weeks.

**EPS Q1 Estimate Monthly Change:** The percentage change in the Zacks Consensus EPS estimate for the current fiscal quarter over the past four weeks.

While the revision in consensus EPS estimate for the current fiscal year is strongly correlated with the near-term price movement of its shares, the estimate revision for the current fiscal quarter is an important metric as well, especially over the short term, and particularly as a stock approaches its earnings date. If a stock's Q1 EPS estimate decreases ahead of its earnings release, it's usually a negative sign, whereas an increase is a positive sign.