

Roper Technologies (ROP)

\$420.12 (As of 12/25/20)

Price Target (6-12 Months): \$441.00

Long Term: 6-12 Months	Zacks Recon	nmendation:	Neutral		
	(Since: 09/04/19)				
	Prior Recommendation: Outperform				
Short Term: 1-3 Months	Zacks Rank:	(1-5)	3-Hold		
	Zacks Style Scores:		VGM:F		
	Value: D	Growth: F	Momentum: C		

Summary

Roper is well positioned to benefit from strength across its network software and medical product businesses. Its unique niche market strategy and strong operational execution are likely to help it drive margins and profitability. Strong cash flows allow Roper to effectively deploy capital for making acquisitions and paying out dividends. Highly recurring revenue mix along with customer retention across DAT and ConstructConnect businesses are a tailwind. However, the company expects the pandemic to adversely impact demand for its products and project timings across its segments. Weakness in the Process Technologies segment with organic sales predicted to fall in double digits during fourth-quarter 2020 is concerning. High costs and huge debts are other headwinds. In the past three months, the stock has underperformed the industry.

Data Overview

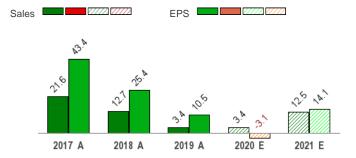
52-Week High-Low	\$455.72 - \$240.00
20-Day Average Volume (Shares)	472,303
Market Cap	\$44.1 B
Year-To-Date Price Change	18.6%
Beta	1.04
Dividend / Dividend Yield	\$2.25 / 0.5%
Industry	Manufacturing - General Industrial
Zacks Industry Rank	Top 27% (70 out of 255)

Last EPS Surprise	5.3%
Last Sales Surprise	1.0%
EPS F1 Estimate 4-Week Change	0.0%
Expected Report Date	02/04/2021
Earnings ESP	0.0%
P/E TTM	33.5
P/E F1	33.2
PEG F1	3.0
P/S TTM	8.1

Price, Consensus & Surprise



Sales and EPS Growth Rates (Y/Y %)



Sales Estimates (millions of \$)

*Quarterly figures may not add up to annual.

	Q1	Q2	Q3	Q4	Annual*
2021	1,545 E	1,556 E	1,574 E	1,618 E	6,241 E
2020	1,351 A	1,305 A	1,366 A	1,524 E	5,550 E
2019	1,287 A	1,330 A	1,355 A	1,395 A	5,367 A

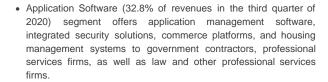
EPS Estimates

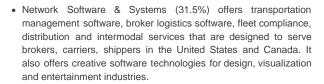
	Q1	Q2	Q3	Q4	Annual*
2021	\$3.47 E	\$3.59 E	\$3.66 E	\$3.76 E	\$14.43 E
2020	\$3.05 A	\$2.94 A	\$3.17 A	\$3.49 E	\$12.65 E
2019	\$3.30 A	\$3.07 A	\$3.29 A	\$3.39 A	\$13.05 A

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 12/25/2020. The reports text is as of 12/28/2020.

Overview

Roper Technologies, Inc. designs, manufactures, and distributes engineered products and solutions as well as softwares. It caters to selected segments of a broad range of markets, which include legal, healthcare, government, food, transportation, oil & gas, medical, and other niche industries. In March 2019, the company restructured its business segments and currently operates under these four segments — Application Software, Network Software & Systems, Measurement & Analytical Solutions, and Process Technologies. The new segments will support the company's diversified, niche market strategy by emphasizing business models.

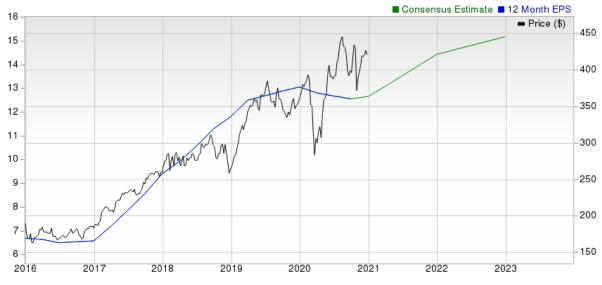








- Measurement & Analytical Solutions (26.9%) sells high-resolution cameras and sensors, rugged handheld computers and patient-centric
 radiotherapy solutions for medical industries. It also offers valves and controls for industrial refrigeration systems apart from optical and
 electromagnetic measurement systems for industrial test and measurement type businesses.
- Process Technologies (8.8%) offers control, safety solutions for engines, turbines, compressors, marine & other industrial applications. It also provides various flow meters, flow controllers, and ancillary electronics for automotive & industrial markets.



Source: Zacks Investment Research

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Reasons To Buy:

▲ In the third quarter of 2020, Roper's revenues surpassed the Zacks Consensus Estimate by 1%. The better-than-expected results were driven by broad-based growth across its network software businesses, along with a rise in demand for laboratory software solutions. Going forward, the company expects its Network Software & Systems segment to grow and show resilience during the coronavirus outbreak-led market downturn, backed by high recurring revenue mix, strong customer retention, expanding networks, and strength across its DAT and ConstructConnect businesses. Also, growth in demand for the medical products at its Verathon business, along with recovery in Neptune and short cycle industrial businesses, is likely to be tailwinds for the Measurement & Analytical Solutions segment. The company

Strength in the network software businesses, unique niche market strategy and acquisitions are likely to boost Roper's near-term results.

anticipates organic revenues for both of its Network Software & Systems and Measurement & Analytical Solutions segments to grow in a low-single-digit range for the fourth quarter of 2020. In the past 60 days, the company's earnings estimates have been raised by 0.8% for 2020 and 0.1% for 2021.

- A Roper's margin performance was strong in the third quarter, with adjusted gross profit margin of 64.2%, on the back of solid operational execution. In the quarters ahead, the company's unique niche market strategy and strong operational execution will help it to drive profitability and maintain a healthy margin performance amid the crisis. Also, the company's continued focus on investing for long term and sustainable organic growth, along with product innovations, are likely to be beneficial. In addition, strong cash flows allow it to effectively deploy capital for making acquisitions and paying out dividends. For instance, in the third quarter of 2020, the company generated adjusted free cash flow of \$442 million, reflecting growth of 14.2% on a year-over-year basis.
- Acquisitions have been Roper's preferred mode of business expansion over time. In 2019, the company used \$2.4 billion for making acquisitions, surging 87% from the previous year. In August 2019, it acquired iPipeline Holdings, a provider of cloud-based software solutions to customers in financial services and the life insurance industry. It added ComputerEase Software to its portfolio in the same month. In April 2019, the company acquired Foundry. Also, in September 2020, it acquired both WELIS and IFS. Notably, WELIS and IFS buyouts will expand iPipeline's suite of SaaS-based solution offerings for the life insurance and financial services industry. This apart, in October 2020, it closed the acquisition of EPSi, which will enhance its Strata business' offerings in the healthcare industry. Roper expects these three bolt-on buyouts (WELIS, IFS and EPSi) to deliver about \$75 million of revenues and \$30 million of earnings before interest, tax, depreciation and amortization (EBITDA) in 2021. Further, in September 2020, the company acquired Denver, CO-based Vertafore for \$5.35 billion in cash. The buyout will help generate revenues of \$590 million and EBITDA of \$290 million in 2021. In addition, cash accretion is predicted immediately from the buyout. Notably, acquisitions had a positive contribution of 2%, 1% and 3% of revenue growth in the first, second and third quarters of 2020, respectively. Apart from acquisitions, Roper believes in divesting businesses for the best interest of shareholders. It divested Gatan to AMTEK in October 2019.
- ▲ Roper remains committed to rewarding shareholders handsomely through dividend payments. In the first nine months of 2020, the company distributed \$160 million as dividends. It is worth mentioning here that it increased the quarterly dividend rate by 10% or 5 cents per share to 56.25 cents in November 2020. On an annualized basis, the dividend increased to \$2.25 per share from \$2.05. We believe that such initiatives are reflective of a strong cash position.

Reasons To Sell:

▼ In the past three months, Roper's shares have gained 4.8% compared with the industry's growth of 16.8%. Going forward, the company anticipates the coronavirus outbreak to have adverse impact on demand for its products and project timings across its segments. Notably, organic revenues of the Application Software segment are likely to be roughly flat in the fourth quarter of 2020 due to lower anticipated bookings for its logo software license business. Also, for the fourth quarter, the company predicts organic sales of the Process Technologies segment to decline 20% due to continued weakness in the upstream oil & gas businesses and project delays.

The coronavirus outbreakled market downturn, high cost of sales and debt level, along with integration risks associated with business acquisitions, might dent Roper's near-term profitability.

- ▼ Over time, Roper has been dealing with the adverse impacts of high cost of sales and operating expenses. From 2017 to 2019, the company's cost of sales increased 3.6% (CAGR) and operating expenses rose 5.2% (CAGR). Notably, in the third quarter of 2020, its cost of sales recorded a year-over-year increase of 1.9% to \$490.2 million. In addition, its selling, general and administrative expenses rose 4.1% to \$508.3 million. Escalation in costs and operating expenses, if not controlled, can severely affect margins and profitability in the quarters
- ▼ Roper has a highly leveraged balance sheet. In the last three years (2017-2019), the company's long-term debt jumped 2.4% (CAGR). At the end of the third quarter of 2020, its long-term debt (net of current portion) was \$9,101.2 million, up 72.9% on a sequential basis. Also, the company's ability to meet its debt obligations based on its current income has declined over the past quarter. Exiting the third quarter, its times interest earned ratio was 11, lower than 11.9 recorded at the end of the previous quarter. We believe that further issuances of long-term debts will make the company more leveraged and can also inflate its financial obligations, hurting profitability.
- ▼ On a Price (P)/Earnings (E) (trailing 12 months TTM) basis, Roper's shares seem overvalued compared with the industry, with respective tallies of 33.48x and 31.89x. The company's multiple is above the industry's three-month highest level of 31.89x. This makes us cautious about the stock. In addition, the company believes in adding complementary businesses to the portfolio via acquisitions. In 2019, it completed several buyouts, including that of Foundry, ComputerEase and iPipeline, while the company added Vertafore, WELIS, IFS and EPSi to its portfolio in 2020. However, we believe that frequent acquisitions can be a distraction for management's regular activities, posing a threat to organic growth and raising integrations risks.

Last Earnings Report

Roper Technologies Q3 Earnings, Revenues Top Estimates

Roper Technologies delivered positive earnings and revenue surprises of 5.3% and 1%, respectively, in third-quarter 2020.

Adjusted earnings were \$3.17 per share, surpassing the Zacks Consensus Estimate of \$3.01. However, the bottom line decreased 3.6% from the year-ago quarter number of \$3.29 per share.

Quarter Ending	09/2020		
Report Date	Oct 27, 2020		
Sales Surprise	1.02%		
EPS Surprise	5.32%		
Quarterly EPS	3.17		
Annual EPS (TTM)	12.55		

00/2020

Quarter Ending

Top-Line Details

Roper's net revenues were \$1,366.1 million, up 0.9% year over year. Notably, adjusted revenues totaled \$1,369 million, up 1%. The increase was primarily backed by 3% gain from acquired assets, partially offset by a decrease of 3% in organic revenues. The top line beat the Zacks Consensus Estimate of \$1,352 million.

The company reports revenues under four segments. A brief discussion of the quarterly results is provided below.

Application Software's revenues totaled \$447.9 million, representing 32.8% of the quarter's top line. On a year-over-year basis, the segment's revenues grew 10.5%.

Network Software & Systems generated revenues of \$430.2 million, accounting for 31.5% of third-quarter top line. Sales grew 10% year over year.

Measurement & Analytical Solutions generated revenues of \$367.9 million, accounting for 26.9% of the quarter's top line. Sales declined 7.6% year over year.

Process Technologies generated revenues of \$120.1 million, accounting for 8.8% of the quarter's top line. Sales were down 24.7% year over year.

Margin Details

In the third quarter, Roper's cost of sales increased 1.9% year over year to \$490.2 million. Cost of sales was 35.9% of the quarter's revenues compared with 35.5% a year ago. Adjusted gross profit increased 0.2% to \$879 million, while adjusted gross margin was 64.2%, reflecting a contraction of 40 basis points (bps).

Selling, general and administrative expenses increased 4.1% to \$508.3 million. It represented 37.2% of total revenues compared with 36.1% in the year-ago quarter. Operating profit declined 3.8% to \$413.9 million, with margin of 30.3%, down 150 bps.

Balance Sheet & Cash Flow

Exiting the third quarter, Roper had cash and cash equivalents of \$302.1 million compared with \$709.7 million recorded on Dec 31, 2019. Long-term debt (net of current portion) was \$9,101.2 million compared with \$4,673.1 million at the end of 2019.

In the first nine months of 2020, the company generated net cash of \$950.9 million from operating activities, down 4.5% year over year.

Capital expenditure during the third quarter totaled \$8 million, lower than the year-ago figure of \$14 million. Adjusted free cash flow in the quarter was up 14.2% to \$442 million on a year-over-year basis.

Outlook

For 2020, adjusted earnings per share are anticipated to be \$12.55-\$12.65 compared with \$11.90-\$12.40 estimated earlier.

For the fourth quarter of 2020, earnings are projected to be \$3.39-\$3.49 per share.

Recent News

Dividend Hike

On **Nov 12, 2020**, the board of directors of Roper declared a quarterly cash dividend of 56.25 cents per share to shareholders on record as of Jan 8, 2021. The disbursement will be made on Jan 22. This reflects a dividend hike of 10% or 5 cents per share on a quarterly basis.

Valuation

Roper shares are up 18.8% over the trailing 12-month period. Over the past year, the Zacks sub-industry and the Zacks Industrial Products sector increased 10.7% and 20.9%, respectively.

The S&P 500 Index has increased 19.2% in the past year.

The stock is currently trading at 29.15X forward 12-month earnings per share, which compares to 27.73X for the Zacks sub-industry, 23.04X for the Zacks sector and 22.86X for the S&P 500 index.

Over the past five years, the stock has traded as high as 35.31X and as low as 18.81X, with a 5-year median of 25.09X. Our Neutral recommendation indicates that the stock will perform in line with the market. Our \$441 price target reflects 30.59X forward 12-month earnings per share.

The table below shows summary valuation data for ROP.

Valuation Multiples - ROP						
		Stock	Sub-Industry	Sector	S&P 500	
	Current	29.15	27.73	23.04	22.86	
P/E F12M	5-Year High	35.31	28.11	23.09	23.79	
	5-Year Low	18.81	15.83	12.61	15.3	
	5-Year Median	25.09	20.35	17.76	17.81	
	Current	7.07	3.77	3.37	4.34	
P/Sales F12M	5-Year High	8.54	3.77	3.37	4.34	
	5-Year Low	4.13	1.65	1.6	3.17	
	5-Year Median	5.62	2.32	2.11	3.67	

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Industry Analysis Zacks Industry Rank: Top 27% (70 out of 255)



Source: Zacks Investment Research

Top Peers

Company (Ticker)	Rec Rank
Applied Industrial Technologies, Inc. (AIT)	Outperform 2
Regal Beloit Corporation (RBC)	Outperform 2
Colfax Corporation (CFX)	Neutral 3
Dover Corporation (DOV)	Neutral 2
Flowserve Corporation (FLS)	Neutral 3
GEA GROUP AG SP (GEAGY)	Neutral 3
The Middleby Corporation (MIDD)	Neutral 3
Xylem Inc. (XYL)	Neutral 3

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

		noid of self.					
Industry Comparison Industry	: Manufacturing	- General Industria	al	Industry Peers			
	ROP	X Industry	S&P 500	FLS	GEAGY	XYL	
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Neutra	
Zacks Rank (Short Term)	3	-	-	3	3	3	
VGM Score	E	-	-	Α	Α	С	
Market Cap	44.06 B	1.72 B	26.20 B	4.78 B	6.45 B	18.07 B	
# of Analysts	6	3	13	7	1	7	
Dividend Yield	0.49%	0.00%	1.48%	2.18%	2.61%	1.04%	
Value Score	D	-	-	В	В	D	
Cash/Price	0.01	0.09	0.06	0.19	0.12	0.09	
EV/EBITDA	18.63	13.92	14.57	11.09	14.29	21.98	
PEG F1	3.02	2.87	2.83	2.58	NA	5.14	
P/B	4.34	2.41	3.64	2.80	2.85	6.28	
P/CF	24.35	12.59	13.90	12.18	19.40	18.96	
P/E F1	33.18	30.76	22.12	20.62	24.83	51.41	
P/S TTM	8.13	1.54	2.85	1.25	1.21	3.71	
Earnings Yield	3.01%	3.13%	4.36%	4.85%	4.03%	1.95%	
Debt/Equity	0.90	0.44	0.70	1.00	0.25	1.06	
Cash Flow (\$/share)	17.25	2.49	6.93	3.01	1.84	5.29	
Growth Score	F	-	-	В	Α	С	
Historical EPS Growth (3-5 Years)	19.83%	8.99%	9.71%	-6.15%	NA	8.99%	
Projected EPS Growth (F1/F0)	-3.10%	-14.04%	1.26%	-19.15%	224.14%	-35.43%	
Current Cash Flow Growth	11.79%	-0.29%	5.23%	15.12%	-1.68%	21.58%	
Historical Cash Flow Growth (3-5 Years)	16.15%	5.59%	8.33%	-8.93%	NA	13.56%	
Current Ratio	0.73	2.05	1.38	2.57	1.35	2.59	
Debt/Capital	47.25%	31.96%	41.97%	49.96%	19.90%	51.50%	
Net Margin	28.89%	3.43%	10.40%	3.38%	-3.20%	4.60%	
Return on Equity	13.53%	9.35%	14.99%	14.41%	-7.43%	13.53%	
Sales/Assets	0.27	0.75	0.50	0.78	0.84	0.61	
Projected Sales Growth (F1/F0)	3.42%	-6.20%	0.35%	-6.24%	0.85%	-8.65%	
Momentum Score	С	-	-	Α	C	В	
Daily Price Change	0.16%	0.05%	0.29%	-0.19%	0.20%	0.52%	
1-Week Price Change	1.37%	0.73%	0.87%	0.51%	8.09%	1.59%	
4-Week Price Change	0.39%	1.85%	0.99%	4.20%	2.86%	3.68%	
12-Week Price Change	6.77%	21.43%	14.77%	37.53%	1.50%	21.43%	
52-Week Price Change	18.74%	9.38%	5.47%	-26.42%	7.97%	27.55%	
20-Day Average Volume (Shares)	472,303	84,061	2,028,114	881,802	12,600	914,529	
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
EPS F1 Estimate 4-Week Change	0.00%	0.00%	0.00%	0.73%	0.00%	0.07%	
EPS F1 Estimate 12-Week Change	0.97%	8.94%	3.68%	6.10%	18.03%	5.49%	

Source: Zacks Investment Research

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.

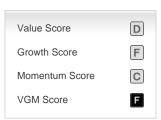
Zacks Rank

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.

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.



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.

Disclosures

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Additional Disclosure

This material represents an assessment of the market and economic environment at a specific point in time and is not intended to be a forecast of future events, or a guarantee of future results. Forward-looking statements are subject to certain risks and uncertainties. Any statements that refer to expectations, projections or characterizations of future events or circumstances, including any underlying assumptions, are forwardlooking statements. Actual results, performance, or achievements may differ materially from those expressed or implied.

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 mediumterm 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 4week 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 longterm 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 mostrecent 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.

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 longterm 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.

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.