

Penske Automotive (PAG)

\$48.95 (As of 08/28/20)

Price Target (6-12 Months): **\$56.00**

Long Term: 6-12 Months	Zacks Recommendation:	Outperform		
	(Since: 07/15/20)			
	Prior Recommendation: Neutra	al		
Short Term: 1-3 Months	Zacks Rank: (1-5)	1-Strong Buy		
	Zacks Style Scores:	VGM:A		
	Value: A Growth: C	Momentum: C		

Summary

Penske is anticipated to benefit from acquisitions or opening of dealerships in the U.S. and European markets. The firm has become the largest dealership group for Freightliner in North America with the acquisition of Warner Truck Centers. This aided the company to diversify business, expand customer base and capitalize on the Retail Commercial Trucks segment. The firm's favorable brand mix with strong off-lease opportunities along with used vehicle expansion strategy positions it for long-term growth. Its increasing digital performance rates and increased online sales through home curbside delivery bode well. Its cost cut initiatives amid coronavirus crisis is likely to aid its near-term margins. Penske engages in share buybacks in almost every quarter which boosts investors' confidence. Thus, the stock warrants a bullish stance.

Data Overview

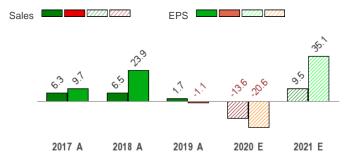
52-Week High-Low	\$53.81 - \$19.99
20-Day Average Volume (Shares)	305,024
Market Cap	\$3.9 B
Year-To-Date Price Change	-2.5%
Beta	1.69
Dividend / Dividend Yield	\$0.00 / 0.0%
Industry	Automotive - Retail and Whole Sales
Zacks Industry Rank	Top 1% (2 out of 252)

Last EPS Surprise	1.8%
Last Sales Surprise	-3.9%
EPS F1 Estimate 4-Week Change	26.1%
Expected Report Date	NA
Earnings ESP	0.0%
P/E TTM	12.7
P/E F1	11.7
PEG F1	2.1
P/S TTM	0.2

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	5,247 E	5,413 E	5,666 E	5,889 E	21,947 E
2020	5,009 A	3,651 A	5,556 E	5,669 E	20,034 E
2019	5,564 A	5,756 A	5,968 A	5,881 A	23,179 A
EPS E	stimates				
	Q1	Q2	Q3	Q4	Annual*
2021	\$1.25 E	\$1.41 E	\$1.52 E	\$1.56 E	\$5.66 E
2020	\$0.64 A	\$0.56 A	\$1.48 E	\$1.54 E	\$4.19 E
2019	\$1.25 A	\$1.42 A	\$1.42 A	\$1.25 A	\$5.28 A

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 08/28/2020. The reports text is as of 08/31/2020.

Overview

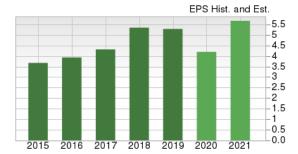
Established in 1990, Penske Automotive Group, Inc., based in Bloomfield Hills, MI, engages in the operation of automotive and commercial truck dealerships in the United States, Canada and Western Europe. The company also distributes commercial vehicles, diesel engines, gas engines, power systems and related parts and services principally in Australia and New Zealand. It employs more than 27,000 people across the globe.

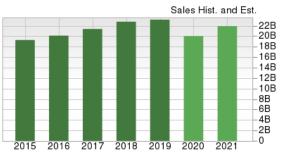
The company also offers higher margin products such as finance, insurance and vehicle service contracts; maintenance repair services; replacement parts and aftermarket automotive products.

The company operates under three reportable segments, Retail Automotive, Commercial Truck and Commercial Vehicles Australia/Power Systems.

Retail Automotive which deals with retail automotive dealership operations generated 89% of revenues in 2019. Per the company, it is the second largest automotive retailer headquartered in the U.S.

Commercial Truck, which consists of the U.S. retail commercial truck dealership operations generated 8.8% of the revenues in 2019. The company operates a heavy and medium-duty truck dealership group known as Premier Truck Group (PTG) with locations in Texas, Oklahoma, Tennessee, Georgia, and Canada.

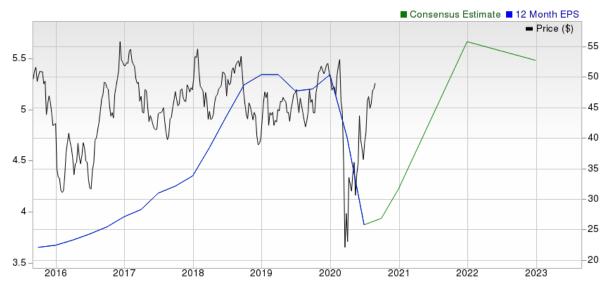




Commercial Vehicles Australia/Power Systems and Other generated 2.2% of the revenues in 2019. The company is the exclusive importer and distributor of Western Star heavy-duty trucks (a Daimler brand), MAN heavy and medium-duty trucks and buses (a VW Group brand), and Dennis Eagle refuse collection vehicles.

In 2019, its retail automotive brand mix consisted of 70% Premium, 23% Volume non-U.S., 6% Used-Vehicle Supercenters and 1% the U.S. big-three.

Of late, the company has been expanding its presence in the U.K., its second largest market, with an aim to capitalize on the highly fragmented used automotive retail segment and reinforce its position in the country.



Source: Zacks Investment Research

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Reasons To Buy:

▲ The company's diversified business segments which include heavy duty truck retailing/leasing bode well. Its favorable brand mix with strong off-lease opportunities along with used vehicle expansion strategy is likely to boost the earnings going forward. Penske Automotive is anticipated to benefit from acquisitions or opening of dealerships in the United States and European markets.

Acquisition of Warner Truck Centers is likely to boost the top line of the company going forward.

- ▲ The firm has become the largest dealership group for Freightliner in North America with the acquisition of Warner Truck Centers, representing six dealership locations in Utah and Idaho. This aided the company to diversify business, expand customer base and capitalize on the Retail Commercial Trucks segment.
- ▲ Expansion of digital capabilities and cost-cut initiatives are likely to offer respite amid the coronavirus-led lockdown and low demand. The firm increased its digital performance rates and increased online sales through home curbside delivery and click and collect initiatives in the quarter, which helped in generating revenues. Further, initiatives like compensation reductions and staffing-level adjustments including furloughing 8% of its worldwide workforce may help the firm achieve substantial savings amid COVID-19 induced financial crisis.
- ▲ Penske engages in share buybacks in almost every quarter which boosts investors' confidence. In the wake of the gloomy scenario, many auto companies have suspended buybacks. However, Penske has maintained its share repurchase program, preserving shareholders' values. The company repurchased 1,023,288 shares as of Jun 30, 2020 for \$34.2 million. As of Jun 30, 2020, Penske had a share-repurchase authorization of \$170.6 million.

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Risks

- Coronavirus has rattled the auto sector with low footfall in auto sales and supply-chain disruptions. Depressed demand of vehicles and weak consumer confidence amid COVID-19 are likely to impact the near-term earnings and sales of the automotive retailer. Penske's international business is exposed to fluctuations in foreign exchange rates since the last few quarters and the trend is likely to continue. Notably, unfavorable foreign currency translations negatively impacted first-half 2020's EPS by a penny.
- Rising competition and increasing price transparency can lead to lower selling prices, thus affecting profits of the company. Penske
 Automotive competes with other franchised automotive dealerships, private market buyers and sellers of used vehicles, internet-based
 vehicle brokers, national and local service, repair shops and parts retailers, and automotive manufacturers.
- Penske Automotive's rising debt levels are also a cause of concern. As of Jun 30, 2020, long-term debt was \$2,054.1 million higher than cash and cash equivalents of \$159.3 million during the same period. Notably, its long-term debt-to-capital ratio stands at 0.49, same as that of the industry it belongs to. Elevated leverage restricts the financial flexibility of the firm.
- Used truck pricing is going down following low demand in the wake of the COVID-19 pandemic. Notably, gross profit of the firm was impacted during second-quarter 2020 by 20% decline in used truck prices. Used-truck pricing environment is expected to remain weak throughout 2020, which may dent the profit levels of the firm.

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Last Earnings Report

Penske Automotive's Q2 Earnings Surpass Estimates

Penske reported second-quarter 2020 adjusted earnings per share of 56 cents, beating the Zacks Consensus Estimate of 55 cents. However, the bottom line declined from the \$1.42 per share recorded in the year-ago quarter. The auto retailer posted revenues of \$3,651.1 million, missing the consensus mark of \$3,798 million. The top line also declined from the year-ago level of \$5,755.8 million. Heightened coronavirus woesresulted in dismal earnings and revenue numbers.

The company's gross profit decreased to \$552.9 million from the prior-year quarter's \$867.8 million. During the second quarter, operating income plummeted 58.4% from the prior-year period to \$71.4 million.

Quarter Ending	06/2020	
Report Date	Jul 29, 2020	
Sales Surprise	-3.86%	
EPS Surprise	1.82%	
Quarterly EPS	0.56	
Annual EPS (TTM)	3.87	

Same-store retail unit sales plunged 41.1% year over year to 72,916. Within the retail automotive segment, new vehicle revenues fell 38.8% year over year to \$1,384.7 million and used-vehicle revenues declined 36% to \$1,159.6 million.

Segmental Details

Revenues in Retail Automotive slipped to \$3,153.5 million from the year-ago quarter's \$5,196.3 million. Gross profit of \$466.3 million compared unfavorably with the \$774.9 million reported in second-quarter 2019.

In the June-end quarter, revenues in the Retail Commercial Trucks segment decreased to \$399.2 million from the year-ago period \$426.8 million. Gross profit for the segment was \$60.2 million, up from the year-ago quarter's figure of \$58.5 million.

Revenues in the Commercial Vehicles Australia/Power Systems and Other declined to \$98.4 million from the \$132.7 million generated in the prior-year quarter. Gross profit came in at \$26.4 million compared with the \$34.4 million witnessed in second-quarter 2019.

Financial Position

Penske had cash and cash equivalents of \$159.3 million as of Jun 30, 2020, up from \$28.1 million as of Dec 31, 2019. As of Jun 30, 2020, long-term debt amounted to \$2,054.1 million, down from \$2,257 million as of Dec 31, 2019. For six months ended Jun 30, 2020, the company had free cash flow of \$427.8 million.

Dividends & Share Repurchase

During the April-June quarter, the company suspended its cash dividends to help mitigate the impact of the coronavirus pandemic.

The company repurchased 1,023,288 shares as of Jun 30, 2020 for \$34.2 million. As of Jun 30, 2020, Penske had a share-repurchase authorization of \$170.6 million.

Valuation

Penske Automotive's shares are down 2.5% and up 14.4% in the year-to-date period and over the trailing 12-month period, respectively. Stocks in the Zacks Automotive - Retail and Whole Sales industry and the Zacks Auto sector are up 15.2% and 43.1%, respectively, year to date. Over the past year, the Zacks sub-industry and sector are up 33% and 66.6%, respectively.

The S&P 500 index is up 9% and 20.2% in the year-to-date period and in the past year.

The stock is currently trading at 9.47X forward 12-month earnings, which compares to 10.63X for the Zacks sub-industry, 26.1X for the Zacks sector and 23.49X for the S&P 500 index.

Over the past five years, the stock has traded as high as 13.72X and as low as 3.82X, with a 5-year median of 9.42X.

Our Outperform recommendation indicates that the stock will perform better than the market. Our \$56 price target reflects 10.8X forward 12-month earnings per share.

The table below shows summary valuation data for PAG:

Valuation Multiples - PAG						
		Stock	Sub-Industry	Sector	S&P 500	
	Current	9.47	10.63	26.1	23.49	
P/E F12M	5-Year High	13.72	12.54	26.1	23.49	
	5-Year Low	3.82	6.45	8.2	15.25	
	5-Year Median	9.42	9.96	9.9	17.58	
	Current	9.19	8.39	17.12	13.29	
EV/EBITDA TTM	5-Year High	13.81	9.71	17.13	13.29	
	5-Year Low	5.08	4.47	6.94	8.22	
	5-Year Median	8.38	7.27	9.36	10.91	
	Current	0.18	0.23	1.02	3.84	
P/S F12M	5-Year High	0.24	0.24	1.02	3.84	
	5-Year Low	0.08	0.11	0.49	2.53	
	5-Year Median	0.18	0.18	0.61	3.05	

As of 08/28/2020

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Industry Analysis Zacks Industry Rank: Top 1% (2 out of 252)



Source: Zacks Investment Research

Top Peers

Company (Ticker)	Rec Rank
Asbury Automotive Group, Inc. (ABG)	Outperform 1
AutoNation, Inc. (AN)	Outperform 1
Americas CarMart, Inc. (CRMT)	Outperform 1
Group 1 Automotive, Inc. (GPI)	Outperform 1
Lithia Motors, Inc. (LAD)	Outperform 1
Rush Enterprises, Inc. (RUSHA)	Outperform 1
Sonic Automotive, Inc. (SAH)	Outperform 1
CarMax, Inc. (KMX)	Neutral 3

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

Industry Comparison Industry: Automotive - Retail And Whole Sales			Industry Peers			
	PAG	X Industry	S&P 500	GPI	KMX	SAI
Zacks Recommendation (Long Term)	Outperform	-	-	Outperform	Neutral	Outperform
Zacks Rank (Short Term)	1	-	-	1	3	1
VGM Score	Α	-	-	Α	Α	А
Market Cap	3.93 B	1.74 B	23.71 B	1.68 B	17.49 B	1.88 E
# of Analysts	6	4	14	3	6	
Dividend Yield	0.00%	0.00%	1.63%	0.00%	0.00%	0.91%
Value Score	Α	-	-	A	В	Α
Cash/Price	0.04	0.06	0.07	0.04	0.07	0.06
EV/EBITDA	6.41	6.73	13.37	7.35	21.08	7.09
PEG F1	2.10	1.50	3.08	1.50	2.71	N/
P/B	1.42	1.56	3.22	1.38	4.89	2.52
P/CF	7.28	7.94	12.90	6.28	15.87	9.13
P/E F1	11.68	12.19	21.82	8.06	33.64	13.28
P/S TTM	0.19	0.30	2.52	0.15	0.96	0.19
Earnings Yield	8.56%	8.20%	4.41%	12.40%	2.97%	7.53%
Debt/Equity	0.74	0.66	0.74	1.34	4.03	1.38
Cash Flow (\$/share)	6.73	7.56	6.94	14.63	6.76	4.83
Growth Score	С	-	-	Α	A	Α
Historical EPS Growth (3-5 Years)	7.68%	13.73%	10.41%	11.38%	13.75%	5.28%
Projected EPS Growth (F1/F0)	-20.58%	12.21%	-4.94%	4.18%	-40.18%	25.21%
Current Cash Flow Growth	-2.36%	4.77%	5.22%	8.93%	7.77%	20.48%
Historical Cash Flow Growth (3-5 Years)	8.31%	8.31%	8.50%	6.43%	9.70%	5.19%
Current Ratio	0.94	1.12	1.35	1.03	2.85	0.99
Debt/Capital	42.51%	41.29%	43.86%	57.19%	80.11%	57.93%
Net Margin	1.53%	1.75%	10.25%	1.31%	3.45%	-0.94%
Return on Equity	11.48%	14.21%	14.66%	17.34%	18.00%	14.21%
Sales/Assets	1.51	1.78	0.50	2.09	0.89	2.51
Projected Sales Growth (F1/F0)	-13.53%	-1.74%	-1.43%	-11.42%	-9.57%	-5.79%
Momentum Score	С	-	-	Α	В	C
Daily Price Change	0.23%	0.45%	0.71%	2.86%	0.67%	2.27%
1-Week Price Change	0.63%	1.18%	-1.45%	-3.66%	2.46%	-2.42%
4-Week Price Change	5.40%	6.34%	4.59%	2.17%	9.07%	9.11%
12-Week Price Change	23.24%	29.64%	4.86%	25.45%	15.16%	53.06%
52-Week Price Change	14.08%	16.87%	3.09%	21.20%	29.54%	60.88%
20-Day Average Volume (Shares)	305,024	245,197	1,887,168	245,197	958,210	417,118
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	26.11%	14.79%	0.79%	56.70%	0.04%	36.54%
EPS F1 Estimate 12-Week Change	66.40%	67.53%	3.43%	67.53%	5.79%	169.76%
EPS Q1 Estimate Monthly Change	32.50%	0.33%	0.00%	15.06%	0.80%	47.27%

Source: Zacks Investment Research

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	Α
Growth Score	C
Momentum Score	C
VGM Score	Α

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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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.

Past performance is no guarantee of future results. Please see important disclosures and definitions at the end of this report.

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.

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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.

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