

SIGN IN

To access Value Line's Research Report, go to **valueline.com** or **valuelinepro.com** and sign in. Enter your User name and Password when prompted.

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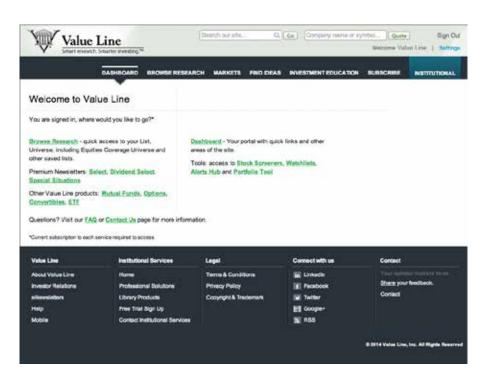


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After you sign in, you will arrive at the Welcome Page where you'll find the following links:

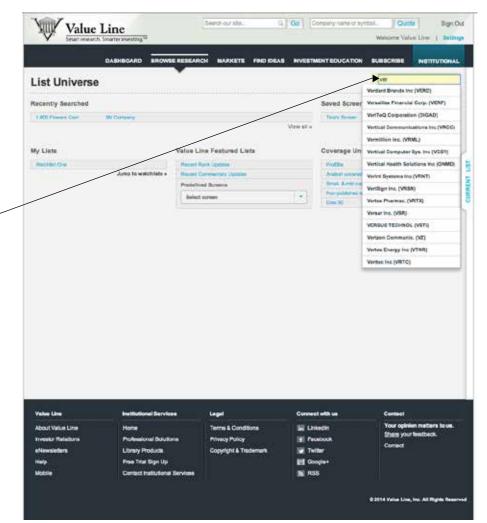
- Browse Research
- Select
- Dividend Select
- Special Situations
- Mutual Funds
- Options
- Convertibles
- ETF
- Dashboard
- Stock Screeners
- Watchlists
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Access The Value Line Research Report from BROWSE RESEARCH page

Enter a company name or ticker symbol in the box that says "Company name or symbol" which is located at the upper right hand side of the page. Once the company appears, select the company or ticker symbol from the drop down menu and the research report will open.



Start typing a company name or ticker and then make your selection from the drop down list.

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Customize your report

To view the modules available to you, open the Side Right Rail located at the right side of the Value Line Report by placing your cursor on the Side Right Rail. Do not click. A hidden menu will appear. Keep your cursor within the menu.

Click on the module you want to add to the report. For example, if you click on Charting, the Charting module will appear at the bottom of the Value Line Report page.

Value Line MODULES include:

3 - 5 YEAR PROJECTIONS ANNUAL RATES OF CHANGE

BUSINESS OVERVIEW

CAPITAL STRUCTURE

CHARTING

COMMENTARY

COMPANY NEWS

CURRENT POSITION

DIVIDENDS

EARNINGS

FINANCIAL STATEMENTS

FINANCIAL STRENGTH GRADE RATING

INDUSTRY COMMENTARY

INSIDER TRANSACTIONS

INSTITUTIONAL OWNERSHIP

MY NOTEPAD

PEERS

QUOTES

RANKS

REVENUES/SALES

SCORE RATINGS

SEC FILINGS

TECHNICAL RANK

TOTAL RETURN PERCENT

VALUATION

VALUE LINE PDF REPORTS



■ HIDE MODULES

To Hide a module already visible in the Value Line Report, place your cursor over the upper right corner of the module until "Hide" appears along with alternate module sizes. Click "Hide" to remove the module from the report.

Open the Right Side Rail and select the module under "Hidden" to make it reappear. The module will appear at the bottom of the report.

DRAG AND DROP

To move a module within the Value Line Report, click and hold the right corner of the module with the arrows and drag the module to your desired position.

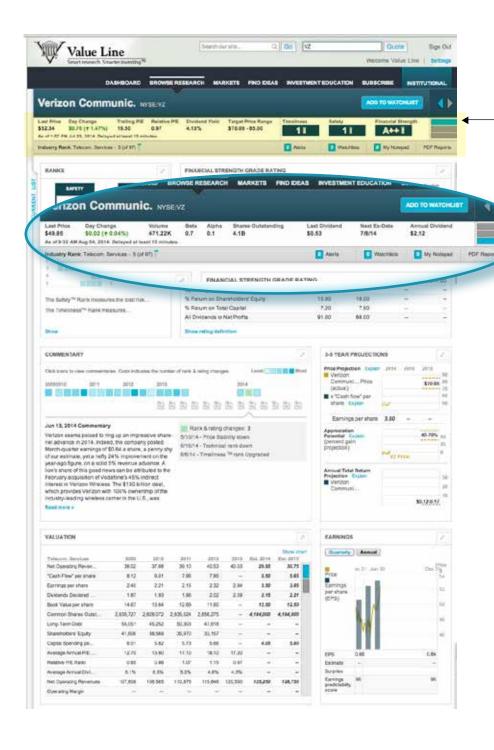
SAVE A TEMPLATE

Once you've selected which module(s) to display, open the Side Right Rail located at the right side of the Value Line Report by placing your cursor on the Side Right Rail. Do not click. A hidden menu will appear. Keep your cursor within the menu. Click on the green banner labeled "Save Changes." Then enter the name you wish to use and click "SAVE." Your template is now saved!

To use a saved template in the future, choose the report you wish to read and place your cursor over the Right Side Rail and click "Standard Industrial" and click which template you want, under "My Templates."

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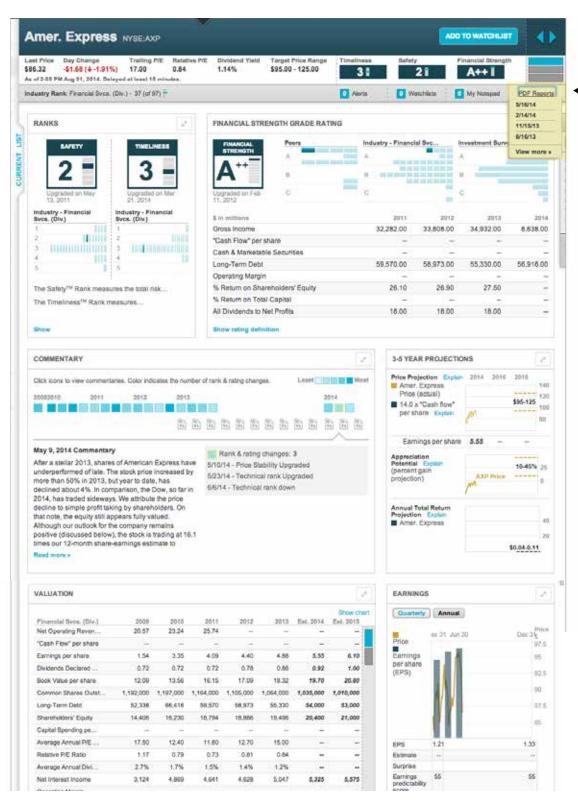
The security banners/alerts bar



Above the PDF button on the upper right side of the Value Line Report you will see 2 gray horizontal bars and 1 blue or green bar. Clicking on each different bar will give you different sets of information about the stock. For example, clicking the top bar shows you the 52-week high and low prices, earnings per share estimates and 3-5 year projections, etc. Clicking the bottom gray bar gives you the stock's alpha and beta. (Alpha is a measure of how much a stock price will rise relative to the market. Beta is a measure of the volatility of a stock compared to the market, 1 being the market. The S & P 500 Index is assigned a Beta of 1, so, a stock that has a beta of more than 1 is more volatile than the S&P 500 Index which is usually referred to as "the market"). This bar also shows the upcoming ex-date for stocks that pay dividends, etc.

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Access the "Classic" Value Line PDF report

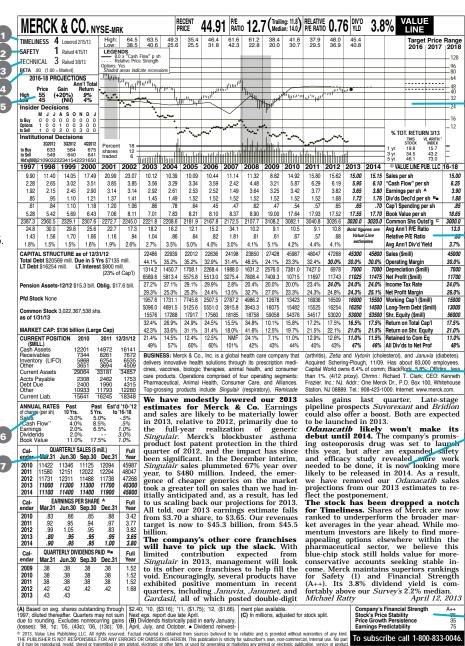


If you look to the upper right side of the Value Line Report, you will see a box labeled "PDF Reports". Clicking this box will offer you a choice of the 4 most recent Value Line traditional single page company reports. You can also click "View More" under "PDF Reports" to find a traditional single page company report by a specific date. Click on the date of the report you want to see and it will promptly come up in your screen. You can then print the report or read it on the screen.

You can also access the PDF report in the VALUE LINE PDF REPORTS module at the bottom of the Value Line Report.

READING THE CLASSIC PDF REPORT

- 1 The Timeliness™ Rank measures probable price performance during the next six to 12 months, relative to other stocks. Ranks are from 1 (Highest) to 5 (Lowest). Only the top stocks earn a rank of 1.
- Safety™ Rank measures the company's Financial Strength and the stock's long-term Price Stability relative to other stocks, using the same 1 to 5 Ranking System. Stocks ranked 1 or 2 are considerably less risky than those ranked 3, 4 or 5.
- The Technical Rank predicts short-term (three- to six-month) performance, again on a scale of 1 to 5.
- Beta is a relative measure of the historical sensitivity of a stock's price to overall fluctuations in the broad stock market. For example, a Beta of 1.30 indicates that a stock tends to rise (or fall) 30% more than the market.
- 5 Projected Price Appreciation and Average Annual Total Return, 3-5 years ahead. They indicate total expected % gain/loss before dividends and the annual compound return % (including dividends).
- Growth rates on a per-share basis. Actual past, estimated future.
- Quarterly sales and earnings are shown for each quarter, with earnings on a per-share basis.
- The graph includes: monthly price ranges for the stock over the past 10-13 years, Cash Flow Line, Relative Price Strength, Target Price Range for 3-5 years ahead, and other information.
- Statistical milestones show significant longterm trends. Value Line projections appear at the right in bold italics.
- Business: provides a brief description of the company's business and major products, significant shareholders (holding over 5%) and contact information.



Analysts' commentary provides a concise report on the company's recent developments and prospects for the future.

Indexes show Financial Strength, Price Stability, Price Growth Persistence and Earnings Predictability.

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