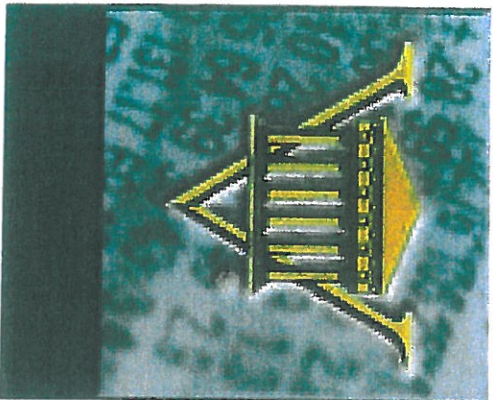


Investment Resources Online

MORNINGSTAR

*Using Databases
to Find
Information on
Securities*



STANDARD
& POORS

NetAdvantage

CLICK HERE TO TYPE TICKER SYMBOL OR STOCK NAME

HELP

Enter a Ticker or Name

Use Report

Companies

Funds

ETFs

Markets

Portfolio

Help & Education

Companies

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Screen for Stocks

Get comprehensive financial information on New York Stock Exchange, American Stock Exchange, and NASDAQ stocks.

- ▶ Stock Picks
- ▶ Stock Analyst Reports
- ▶ International Stocks
- ▶ Bond Ratings

Screen for Funds

Find comprehensive financial information on thousands of mutual funds, including the Morningstar star rating.

- ▶ Fund Picks
- ▶ Fund Analyst Reports
- ▶ Most Similar Funds
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- ▶ International Funds
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See financial information on hundreds of exchange-traded funds with up-to-date information on returns, reports and Morningstar ratings.

- ▶ ETFs by Trading Volume
- ▶ ETF Analyst Reports
- ▶ ETF Valuation Quickrank

Get Returns

Get return information on various investment indexes, types, sectors, and styles.

- ▶ Indexes
- ▶ Sectors
- ▶ Industries
- ▶ Fund Categories

Access Tools

Test drive our robust yet easy-to-use portfolio tools and calculators to determine what your asset mix should be, how your investments are working together, and more

- ▶ Portfolio X-Ray
- ▶ Retirement Cost Calculator
- ▶ College Savings Calculator

CLICK FOR SCREENS

Funds

Select from hundreds of criteria to build a list of fund investments.

- ▶ Click for information on:
 - ▶ [Fund Recommendations](#)
 - ▶ [Fund Analyst Reports](#)

Screeners

Select Data to Screen on:

General

Search for Data points | Data Definitions

Matches: _____ Screen: _____

MAKE YOUR OWN SCREENS

Select funds using our custom-built screens.

Morningstar Screens

MORNINGSTAR SCREENS

-- Number of funds that pass your screen

Click button to view results



Morningstar.com Library Edition Patron's Guide

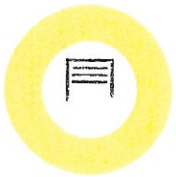
Morningstar.com Library Edition helps you make smart investment decisions. Find a stock or fund to meet your needs, research current or prospective holdings, or see how your investments fit together.



Screeners

Page 2 – 3

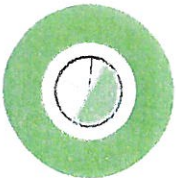
Looking for investments that meet a specific need?
Want to find Morningstar's top-rated stocks and funds?
Need investment ideas?



Reports

Page 4

Do Morningstar's analysts think a specific fund or stock is a good investment?
How do your investment choices measure up?



Portfolio X-Ray

Page 5

How do all of my investments fit together?
Do I have a well-balanced portfolio?
How heavily weighted is my portfolio in a particular stock?



Stock and Fund Screeners

If you're looking for an investment that meets certain criteria—a large-cap growth fund with a star rating of 4 or better, a stock with low debt in the utilities industry—you can use Morningstar's Screeners to create your own searches. Screen on more than 220 data points with Morningstar's Fund Screener; Morningstar's Stock Screener allows you to choose from more than 470 data points.

How to Create a Screen

The screenshot shows the Morningstar Screener interface. At the top, there's a 'Screen For' section with radio buttons for 'Stocks' and 'Funds', where 'Funds' is selected. Below that is 'Select Data to Screen on:' with a dropdown menu set to 'General'. To the right, there's a link for 'Morningstar Screens'. A table titled 'Matches' shows one entry: '2402 (Role in Portfolio = Core)'. A 'Build Screen' dialog box is open, showing three steps: '1. Data: New Cap Expend', '2. Condition: Greater Than', and '3. Value: 500000000'. There are 'OK' and 'Cancel' buttons at the bottom of the dialog. A 'Start Over' button is in the top right corner of the main interface.

1. Choose the security type.

Select the type of security you'd like to find – a fund or a stock.

2. Create your criteria.

Select Data to Screen On
Choose a data point from the drop-down menu.

Select Condition

Determine how you want to screen on the data point you have selected by picking a condition, such as "greater than," "less than," or "equal to" from the drop-down menu that appears in the pop-up box.

Select Value

Choose a value from the drop-down menu to limit your search.

3. Build your selections.

Add Search Criteria
Add more criteria by choosing another general data point from the top drop-down menu. Determine how your added criteria should behave in relation to the others. Choose either "And" or "Or" in the "relationship to other criteria" box. Then, continue adding data as previously stated.

4. See what you've got.

Click the button to see which funds or stocks meet your criteria.

Finding Data Points

[Search for Data Points](#) | [Data Point Look Up](#)



Can't find a data point?
Use the "Search for Data Points" link to search for a data point.

Using Morningstar Screens

[Morningstar Screens](#) | [Morningstar Screen](#)



Uncertain where to start?

Examine the Morningstar Screens built by Morningstar analysts. Simply view the results, or add your own criteria to these prebuilt screens.

Morningstar Screens for Funds

- > Portfolio Anchors
- > Aftertax Stars
- > Small and Beautiful
- > Hidden Gems
- > Solid Large-Growth Funds
- > Solid Mid-Growth Funds
- > Savvy Foreign Veterans
- > Conservative Foreign Funds
- > Great Bond Funds
- > Standout Muni-National Funds

Morningstar Screens for Stocks

- > Terrific 10-Year Records
- > Wealth Creators
- > Cash Cows
- > Ben Graham Stocks
- > Warren Buffett Stocks
- > Solid High-Yield Stocks
- > Buyback Champions
- > Bargain Stocks
- > Momentum Plays



Portfolio X-Ray

Get an "under the hood" look at how all your investments fit together by using Morningstar Portfolio X-Ray. At a glance, check your portfolio for unexpected risks caused by overconcentration in individual holdings with Stock Intersection. Break down your holdings by Asset Allocation, Style Box, Stock Sector, Stock Type, Stock Stats, Fees & Expenses, and World Regions for in-depth analysis.

How to X-Ray a Portfolio

Portfolio X-Ray™
 Enter your holding information by: Percentage (based on a hypothetical investment of \$10,000) Dollar Value

Welcome to Instant X-Ray
 Enter the ticker symbols and specify an allocation for each holding. To enter cash holdings, use the ticker symbol CASH\$. Click "View your Portfolio X-Ray" and we'll show you what the portfolio's asset mix, sector weightings, and portfolio statistics look like.

Please print your results, because you cannot save a portfolio on Morningstar.com Library Edition.

To create a portfolio that you can save and whose returns you can track over time, become a free registered member of our sister site, Morningstar.com. [Click here](#) to go to the Morningstar.com registration page.

Ticker Symbol
 Ticker (lookup)

% of Portfolio

Start Over

Shortcut
 To equally weight your holdings, enter your ticker symbols and click the equal allocation button.

Equal Allocation

↓ Add more entry fields

Portfolio weight must equal 100%

View your Portfolio X-Ray

1. Choose how to enter holdings
 Designate whether you want to enter holding information in dollar amounts for each holding, or if you want to evenly weight your portfolio.

2. Enter tickers
 Enter the ticker for each fund or stock in your portfolio.

3. See your X-Ray results
 Scroll to the bottom and click "View your Portfolio."

Using more advanced views

Portfolio X-Ray™
 Views: **Diagnostics**

Asset Allocation
 Your portfolio is aggressive. An asset mix such as yours normally generates high long-term returns but can be very volatile. Financial planners typically recommend these types of mixes for investors who have investment horizons longer than 10 years, need high returns, and are comfortable with a high level of risk.

If this portfolio is in a 401(k), we recommend that you try out ClearFuture, Morningstar's 401(k) planning and advice tool.

Style Box Fit
 Your portfolio across the market is small, medium a fairly even mix of stocks and high investors, mid exposure is a [View Stock St](#)

Your overall p

Portfolio X-Ray™
 Views: **Stock Intersection**

Weight	Company/Stock Holding	Ticker	% Portfolio
100.00	Coca-Cola Bottling Company Consolidated	COKE	29.50
100.00	Coca-Cola Bottling Company Consolidated	COKE	29.50
100.00	Cisco Systems	CSCO	7.19
2.26	Cisco Systems	CSCO	6.67
1.12	Vanguard Growth Index	VIGIX	0.28
1.12	Vanguard 500 Index	VFINX	0.24
	Microsoft	MSFT	1.54

From the Instant X-Ray page you can see more advanced views of your portfolio. Try "Diagnostics" to find

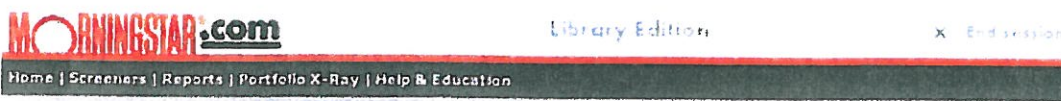
potential risk factors, or "Stock Intersection" to see how much of an individual stock you really own.

Notes: All figures are based on the most recent available data. All figures are in USD unless otherwise specified.

Help & Education

Search for an investment term. Discover tips for how to better navigate Morningstar.com Library Edition. Take a class about when to sell an investment. You can do it all in our Help & Education section.

How to Learn



Help & Education

Our Help & Education Center is your one-stop shop for investment learning. Whether you're looking for direction when using the site, tips for choosing funds or stocks, or the definition of an investment term, you'll find it all here.

Training Seminar



Morningstar Mutual Funds editor Kunal Kapoor shows

you how to navigate the tools that you will find on Morningstar.com Library Edition.

Choose the session that most interests you, or download all

Patron's Guide



Investing Classroom

This interactive environment allows you to learn about stocks and funds. Choose from among 100 different courses, basic to advanced. Each course includes a five-question quiz.

[View Complete Course Catalog](#)

Glossary



Search our database of investment terms that appear in our tools and reports.

Click on the links below to find a term.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

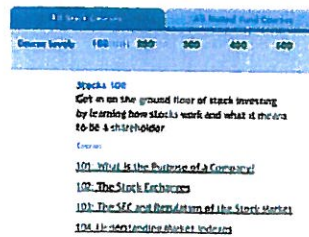
You can find out about Morningstar.com Library Edition in particular or investing in general via our Help & Education page.



Course Catalog

Morningstar.com's Investing Classroom

The Investing Classroom offers self-paced courses to help you master key stock and fund investing skills, including "How to decide what stocks to buy" and "How to test a great fund." You may start at any level, and an interactive quiz is available at the end of each course to test your knowledge. Enjoy this opportunity to learn more about investing!



Glossary



Make the most of what Morningstar.com Library Edition has to offer by downloading one or more of our comprehensive Training Seminars.

Learn more about investing in stocks and mutual funds by visiting our interactive Investing Classroom. There, you'll find 100 different courses—and quizzes to test your investment knowledge.

Better understand investment terms by searching our exhaustive Glossary. From actual fees to yield, it's all there!

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By clicking on "companies", "industries", "funds" or "directories", you can do an advanced search that will allow you to create screens of your own or use S&P's preset screens.

Sep. 9, 2010 08:56 PM EDT

NEW! Financial Education Overview



Financial Literacy Now
Your Exchange for Financial Learning

NEW! Financial Literacy Now is an initiative to raise awareness about the critical importance of financial literacy and provide greater access to financial literacy training services and information. Here you will find tools and calculators for questions that families and students are asking, such as how to build Credit History, what is meant by Financial Planning, how to Qualify for a Mortgage and what to know about Retirement Planning.

Now available by clicking Financial Education tab above.

Quick Links

Advanced search capabilities as well as direct access to our most popular content.

- ▶ Recently Updated Industry Surveys
- ▶ Advanced Stock Screener
- ▶ Register of Private Companies Screener
- ▶ Register of Corporations, Executives and Directors Screener
- ▶ Mutual Fund Screener
- ▶ Bond Screener

Enter the ticker or the name here.

Today's Market	12.33 to NY open		
S&P 500	1,104.18	+5.31	0.48%
S&P SmallCap 600	338.93	-0.01	Unch.
NASDAQ	2,236.20	+7.33	0.33%
10 Yr. Note	27.61	+1.07	4.03%

Simple Search

Resources

Stock Reports

From this drop-down menu, select which publication in which you want to search (e.g., stock reports).

Search by

Ticker

Select to search by either ticker symbol or company name.

Enter

Search Publication Search

> Industry Surveys

Advertising

> The Outlook

Quick links to Industry Surveys and the Outlook are here.

NetAdvantage Screens

To set up screens, you must use the Advanced Search found on the "Companies", "Funds" or "Directories" pages

NetAdvantage

Home Companies Industries Funds Directories Learning Center

Company Research

Select Publication:

Company Profile:

Search by Ticker:

Advanced Search

Bond Reports

Company Profile

Register Public Co.

Bond Reports

Register Executives

Register Private Co.

Corporation Records

Select year and Issue: 2006

Select year: 2006

Search by Ticker:

Index as:

- S&P 500
- S&P MidCap 400
- S&P SmallCap 600

Drop-down menu

Under "Advanced Search", click on the area in the drop-down menu that you'd like to search (e.g., "Stock Reports"). Once you select the area, a page with screening criteria will appear. Select your criteria and click on "Search" at the bottom of the page.

Stock Reports Screener

Choose any combination of the following Basic, Fundamental and Financial filters to find stocks that match your criteria

Basic Filter

Total Return % 1 Year Total Return

S&P Sector: Consumer Discretionary, Consumer Staples

S&P Sub-Industry: Advertising, Aerospace & Defense

S&P Relative Strength Rank

S&P STARS Rank (2, Buy, 1, Sell)

S&P Fair Value Rank

S&P Earnings & Dividend Rank

Last Closing Price (in \$US)

Beta

Dividends Paid Since (YYYY)

Average Daily Volume (in \$M US)

Market Value - Total (in \$M US)

S&P Index Membership: S&P 500, S&P MidCap 400

Fundamental Filter

P/E

Dividend Yield %

Dividend Payout Ratio

LTD as % Total Capital

Financial Filter

EPS (Last Year)

EPS (2 Years Ago)

EPS, Growth Rate over Past 5 Years

Revenue (Last Year)

Markets

- Market Snapshot
- NYSE Snapshot
- NASDAQ Snapshot
- AMEX Snapshot

Investment Ideas

- Outlook's Market Insight
- Stovall's Sector Watch
- Takeover Talk
- Stock Picks and Pens
- Focus Stock of the Week
- Industry in Focus

Bonds

- Credit Week Focus
- Bond Screener

S&P STARS

- Rising, Falling and New
- 5-STAR Stocks
- 4-STAR Stocks
- 3-STAR Stocks
- 2-STAR Stocks
- 1-STAR Stocks
- High Yield STARS
- Income STARS

S&P Indices

- S&P 500
- Overview
- Companies
- Vital Stats
- S&P MidCap 400
- Overview
- Companies
- Vital Stats
- S&P SmallCap 600
- Overview
- Companies
- Vital Stats

These are the preset screens.

Using the Quick Index:

Use the Quick Index links to find ratings and create stock screens.

Personalize My Value Line | Index | My Account | Log out

Market Tracker

	466.95	+0.49%	Edit
\$VGL.KC	2278.30	+0.50%	
\$VAY.KC	45.42	-0.85%	
VALL			

Quick Index

- Standard Edition
- Plus Edition
- Small & Mid-Cap Edition
- Mutual Fund Survey
- Daily Options Survey
- Convertible Survey
- Special Situations
- ETFs

Click on the edition to open a menu.

Here's the menu. From here you can look at entire issues, rank changes, create screens, and search for a rating.

Personalize My Value Line | Index | My Account | Log out

Market Tracker

	466.95	+0.49%	Edit
\$VGL.KC	2278.30	+0.50%	
\$VAY.KC	45.42	-0.85%	
VALL			

Quick Index

- Standard Edition
- Survey Issues
- Rank Changes
- Stock Screening
- Supplementary Reports
- Model Portfolio 1
- Model Portfolio 2
- Model Portfolio 3
- Subscriber Portfolio
- Look Up Company
- Look Up Industry
- Custom Report

Plus Edition

- Small & Mid-Cap Edition
- Mutual Fund Survey
- Daily Options Survey
- Convertible Survey
- Special Situations
- ETFs

To find a stock rating, type in the name or the ticker symbol of the stock and click on the Value Line logo.

Welcome to the most trusted name in investment research

The Value Line Investment Survey - Standard Edition - Lookup Company Reports

Enter the Ticker, Company or Industry Name

Search By: Company Industry Ticker Symbol

Search

SEARCH RESULTS (1)

Company Ticker? Watergen Co. (WAG)

Alert

PDF HTML

Industry Pharmacy Services

Time/Perf Rank 1 (1)

Date 12/29/2006

The results page allows you to look at the PDF or the HTML version of the stock rating. The PDF form is a replica of the printed edition of Value Line. The HTML version, however, reflects updates you won't get in the PDF version! Click on either icon to view the rating.

Stock Screening

You can look at Value Line's own preset screens on the My Value Line page, or you can customize your screens. On the My Value Line page, select an edition under the Quick Index, then click on "Stock Screening".

Value Line
 Home | My Value Line | Education
 Personalize My Value Line | Index | My Account | Log Out

Market Tracker
 \$NYSE: 466.95 +0.49%
 \$NYSE: 2276.30 +0.50%
 \$VALL: 45.42 -0.65%

Quick Index
 Standard Edition
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 Rank Changes
 Stock Screening
 Supplementary Reports
 Model Portfolio 1
 Model Portfolio 2
 Model Portfolio 3
 Subscriber Portfolio
 Look Up Company
 Look Up Industry
 Custom Report

Click on "Stock Screening" link

On the screening page, you can select any number of criteria that you want Value Line to search under. Click on the Search button at the bottom to view your results.

The Value Line Investment Survey - Standard Edition - Stock Screener

Create a Saved Screen
 After selecting your screening criteria, click Save Screen As and name your screen file.
 Save Screen As

Open a Saved Screen
 Click Browse... to locate and select the saved screen, then click Open. Your screening criteria will be loaded.
 Open Saved Screen: [Browse...] [Open]

Company Information
 Company Name: []
 Ticker Symbol(s): []

International: ALL, US Only, Foreign Only, Canada, United Kingdom
 Industry: ALL, Advertising, Aerospace/Defense, Air Transport, Apparel
 Social Responsibility (help): Ignore All, Include Any, Not involved with Adult Entertainment, Involved with Alcohol

Value Line Ranks
 (To select multiple items, hold down the CTRL key)
 Timeliness Rank: [1] [2] [3] [4] [5] (Stocks in Standard Edition only)
 Safety Rank: [1] [2] [3] [4] [5]
 Technical Rank: [1] [2] [3] [4] [5]
 Financial Strength: [A++] [A+] [A] [B++] [B+] [B] [C++] [C+] [C]

Value Line Preset Screens (Stocks in Standard Edition only)
 ALL, Bargain Basement Stocks, Best Performing Stocks

Search [] Reset All []

Value Line Ranks

Timeliness

The Timeliness rank is Value Line's measure of the expected price performance of a stock for the coming six to 12 months relative to our approximately 1,700 stock universe. Stocks ranked 1 (Highest) and 2 (Above Average) are likely to perform best relative to the approximately 1,700 stocks we follow. Stocks ranked 3 are likely to be average performers. Stocks ranked 4 (Below Average) and 5 (Lowest) are likely to underperform stocks ranked 1 through 3 in Value Line's universe.

At any one time, there are 100 stocks ranked 1; 300 ranked 2; approximately 900 ranked 3; 300 ranked 4; and 100 ranked 5.

Value Line has published Timeliness ranks for more than 33 years. Twice a year, in January and July, the results of the performance of the Timeliness ranks are published in Selection & Opinion. Overall, the results have been truly outstanding. Mark Hulbert, a *Forbes* columnist who studies the performance of investment publications, has written that over a 17-year period, *The Value Line Investment Survey* "...is in first place for risk adjusted performance."

The most important factor in determining the Timeliness rank is earnings growth. Companies whose earnings growth over the past 10 years has been greater than their stocks' price appreciation tend to have high scores. In addition, the ranks take into account a stock's recent price performance relative to all approximately 1,700 stocks in the Value Line universe. A company's recent quarterly earnings performance and any recent earnings surprises caused because a company reported results that were significantly better or worse than expected are also factors. They are combined to determine the Timeliness rank.

Just one word of caution. Stocks ranked 1 for Timeliness are often more volatile than the overall market and tend to have smaller capitalizations (the total value of a company's outstanding shares, calculated by multiplying the number of shares outstanding by the stock's price per share). Conservative investors may want to select stocks that also have high Safety ranks because they are more stable issues.

Industry

Value Line also publishes Industry ranks which show the Timeliness of each industry. The Industry ranks indicate how Value Line believes the prices of stocks within 90 or more industries will perform relative to each other. These ranks are updated weekly and published on the front cover and inside the Summary & Index. They also appear at the top of each Industry Report in Ratings & Reports. The Industry rank is calculated by averaging the Timeliness ranks of each of the stocks assigned a Timeliness rank in a particular industry.

Safety

The Safety rank is a measure of the total risk of a stock compared to others in our approximately 1,700 stock universe. As with Timeliness, Value Line ranks each stock from 1 (Highest) to 5 (Lowest). However, unlike Timeliness, the number of stocks in each category from 1 to 5 may vary. The Safety rank is derived from two measurements (weighted equally) found in the lower right hand corner of each page: a Company's Financial Strength and a Stock's Price Stability. Financial Strength is a measure of the company's financial condition, and is reported on a scale of A++ (highest) to C (lowest). The largest companies with the strongest balance sheets get the highest scores. Price Stability is based on a ranking of the standard deviation (a measure of volatility) of weekly percent changes in the price of a company's own stock over the last five years, and is reported on a scale of 100 (highest) to 5 (lowest) in increments of 5. Generally speaking, stocks with Safety ranks of 1 and 2 are most suitable for conservative investors. A stock's Price Growth Persistence and a company's Earnings predictability are also included in the box above, but do not factor into the Safety rank. However, they are useful statistics.

Technical

The Technical rank is primarily a predictor of a stock's short term (three to six months) relative price change. It is based on a proprietary model which examines 10 relative price trends for a particular stock over different periods in the past year. It also takes into account the price volatility of each stock. The Technical ranks also range from 1 (Highest) to 5 (Lowest). At any one time, about 100 stocks are ranked 1; 300 ranked 2; 900 ranked 3; 300 ranked 4; and 100 ranked 5.

Beta

Beta is a measure of volatility and is calculated by Value Line. While it is not a rank, we do consider it important.

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