Valuentum Retail Equity Research Visit us at www.valuentum.com

Microsoft MSFT FAIRLY VALUED

Economic Castle

Estimated Fair Value

Buying Index™

Value Rating



Attractive \$400.00 \$320.00 - \$480.00 Microsoft is an excellent enterprise. We love shares, and the firm has a

Fair Value Range

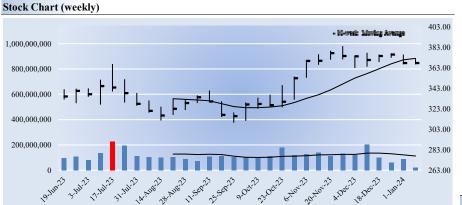
Investment Style MEGA-CAP BLEND

Sector Information Technology

5

Industry Technology Giants

tremendous opportunity in artificial intelligence [AI], of which it maintains a leading position.



Company Vitals	
Market Cap (USD)	\$2,720,350
Avg Weekly Vol (30 wks)	116,967
30-week Range (USD)	309.45 - 384.3
Valuentum Sector Informat	ion Technology
5-week Return	-0.2%
13-week Return	11.1%
30-week Return	8.4%
Dividend Yield %	0.8%
Dividends per Share	3.00
Forward Dividend Payout Ratio	26.4%
Est. Normal Diluted EPS	15.14
P/E on Est. Normal Diluted EPS	3 24.3
Est. Normal EBITDA	151,183
Forward EV/EBITDA	22.8
EV/Est. Normal EBITDA	17.6
Forward Revenue Growth (5-yr)	12.4%
Forward EPS Growth (5-yr) NMF = Not Meaningful; Est. = Estimated; FY = F	14.7% iscal Year

Returns Summary	3-year Historical Average
Return on Equity	44.4%
Return on Assets	19.6%
ROIC, with goodwill	37.8%
ROIC, without goodwill	54.3%
ROIC = Return on Invested Capital; NMF = 1	Not Meaningful

Leverage, Coverage, and Liquidity	
In Millions of USD	

In Millions of USD	
Total Debt	47,23
Net Debt	-64,019
Total Debt/EBITDA	0.:
Net Debt/EBITDA	NMI
EBITDA/Interest	51.
Current Ratio	1.8
Quick Ratio	1.0

NMF = Not Meaningful

Investment Highlights

- Microsoft's products include operating systems, cloud services, server applications, desktop and server management tools, software development tools, video games, and online advertising. It also designs, manufactures and sells hardware, including PCs, tablets, gaming consoles, and other smart accessories that integrate with its cloud offerings. Artificial intelligence is its next big opportunity.
- Microsoft can't scoop up its own shares fast enough through its massive buyback program. The firm floats debt with the best credit quality (Aaa), and we can't think of another firm with a better financial profile. Financial discipline and strong execution remain hallmarks of its business.
- · Microsoft is not a tech dinosaur, and momentum behind new devices and platforms continues to build. Its cloud-based product suite, Office 365 and Azure, continues to catch favor among consumers and enterprises at impressive rates. This momentum has allowed it to achieve goals in commercial cloud annual recurring revenue well ahead of schedule.
- Microsoft acquired LinkedIn for over \$26 billion in cash, and the deal has expanded its addressable market, while helping drive engagement across Office 365. The firm's impressive financial profile gives us confidence in it moving forward, and its tremendous free cash flow generating capacity has not wavered.
- · Microsoft's Windows business has been the breadand-butter of the company for such a long time, but investor focus has shifted to the company's other segments as its business model moves towards the cloud. Microsoft is helping drive the transition to cloud-based software products

Investment Considerations	
DCF Valuation	FAIRLY VALUED
Relative Valuation	UNATTRACTIVE
ValueCreation TM	EXCELLENT
ValueRisk™	LOW
ValueTrend TM	NEGATIVE
Cash Flow Generation	STRONG
Financial Leverage	LOW
Growth	HIGH
Technical Evaluation	NEUTRAL
Relative Strength	NEUTRAL
Money Flow Index (MFI)	OVERBOUGHT
Upside/Downside Volume (U/D)	BULLISH

Near-term Technical Resistance, 10-wk MA 372.00 DCF = Discounted Cash Flow; MFI, U/D = Please see glossary. MA = Moving Average

Business Quality	ValueCreation [™]			
ValueRisk TM	Very Poor	Poor	Good	Excellent
Low				
Medium				
High				
Very High				

Firms that generate economic profits with little operating variability score near the top right of the matrix

Relative Valuation	Forward P/E	PEG	Price / FV
Apple	29.2	3.6	107.6%
Amazon.com	NMF	NMF	99.6%
Alphabet	24.6	1.8	93.9%
Meta Platforms	23.2	1.6	99.9%
Peer Median	24.6	1.8	99.7%
Microsoft	32.4	2.6	91.9%

Price / FV = Current Stock Price divided by Estimated Fair Value

Financial Summary	Actua	al	Projected
Fiscal Year End:	Jun-22	Jun-23	Jun-24
Revenue	198,270	211,915	243,278
Revenue, YoY%	18.0%	6.9%	14.8%
Non-GAAP Operating Income	83,383	88,523	101,412
Non-GAAP EBIT %	42.1%	41.8%	41.7%
Non-GAAP Net Income	72,738	72,361	83,977
Non-GAAP NI Margin %	36.7%	34.1%	34.5%
Non-GAAP Diluted EPS	9.65	9.68	11.35
Non-GAAP Dil EPS, YoY %	19.8%	0.4%	17.2%
Non-GAAP FCF (CFO-capex)	65,149	59,475	70,773
Non-GAAP FCF Margin % In Millions of USD (except for per share items)	32.9%	28.1%	29.1%

Structure of the Software Industry

VERY GOOD

Firms that serve the mature software markets—or those consisting of basic business applications—have powerful distribution channels, large installed bases, and fortress balance sheets. These entrenched competitors benefit from significant customer switching costs, which make it nearly impossible for new entrants to gain a foothold. Participants generally benefit from highmargin license revenue and generate significant returns on investment. Still, the shift to cloud computing has created both opportunities and challenges, and the enterprise software landscape continues to evolve. We like the group.



Microsoft MSFT FAIRLY VALUED

Buying Index™

Value Rating



Economic Castle
Attractive

Estimated Fair Value \$400.00 Fair Value Range \$320.00 - \$480.00 Investment Style MEGA-CAP BLEND **Sector**Information Technology

5

Industry
Technology Giants

Economic Profit Analysis

ValueCreationTM EXCELLENT

The best measure of a firm's ability to create value for shareholders is expressed by comparing its return on invested capital (ROIC) with its weighted average cost of capital (WACC). The gap or difference between ROIC and WACC is called the firm's economic profit spread. Microsoft's 3-year historical return on invested capital (without goodwill) is 54.3%, which is above the estimate of its cost of capital of 8.1%. As such, we assign the firm a ValueCreationTM rating of EXCELLENT. In the chart to the right, we show the probable path of ROIC in the years ahead based on the estimated volatility of key drivers behind the measure. The solid grey line reflects the most likely outcome, in our opinion, and represents the scenario that results in our fair value estimate.

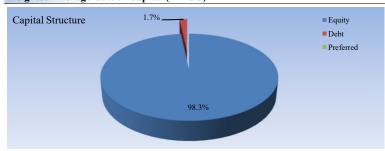
ROIC - WACC Spread, 3-year historical average	46.2%
ROIC - WACC Spread, 5-year projected average	42.8%

These spreads equal the firm's annual average ROIC (excluding goodwill) less its WACC.

ValueTrendTM NEGATIVE

Microsoft receives a ValueTrend™ rating of NEGATIVE, which is based on the company's trailing three-year performance. The firm's ROIC (excluding goodwill) fell to 46.4% last year from its trailing 3-year average of 54.3%. We expect ROIC (excluding goodwill) to be in the ballpark of about 55% by the end of our discrete forecast period, with downside risk to about 44% over that time period.

Weighted Average Cost of Capital (WACC)



Cost of Equity

Cost of Equity Assumption	8.2%
Estimated Equity Risk Premium	6.5%
Fundamental Beta (ERP multiplier)	0.6
Risk Free Rate Assumption	4.3%

After-tax Cost of Debt

After-tax Cost of Debt Assumption	4.3%
Cash Tax Rate Assumption	18.0%
Cost of Debt Assumption	5.2%
Synthetic Credit Spread	0.88%
Risk Free Rate Assumption	4.3%
Titter tan Cost of Debt	

Cost of Preferred Stock

Cost of Freierred Stock	
Preferred Dividends	0
Value of Preferred Stock	0
Cost of Preferred Assumption	NA

Weighted Average Cost of Capital (WACC)

ERP = Equity Risk Premium

Adjusted Return on Invested Capital (ROIC)



The graph above shows the firm's ROIC (excluding goodwill) compared with historical averages and its WACC

Assessment of Company Dividend Strategy

Key Strengths

Microsoft has had one of the most attractive dividend growth profiles across our coverage universe. It boasts an impressive balance sheet with a strong net cash position, inclusive of short-term debt. The company's proposed deal for Activision may change the make-up of its balance sheet, however. Microsoft's purchase of LinkedIn has been positive, expanding its addressable market and the potential to drive engagement across Office 365. The firm is helping drive the transition to cloud-based software products, and we're expecting such endeavors to continue generating tremendous earnings expansion. It remains one of our favorite dividend growth ideas and has an enviable position in artificial intelligence via ChatGPT.

Potential Weaknesses

Right now, Microsoft may be one of the best future dividend growth stocks out there, but it is up to management to keep it as one. Though it has great financials, that doesn't mean the company should be foolish with its acquisition program. We're not sure we like the proposed Activision deal much. Dividend increases are expected to continue, and management continues to point to strong fundamental performance. Microsoft boasts a massive net cash position and strong free cash flow generation, and it remains a strong source of income for investors. When it comes to future expected dividend growth, Microsoft has one of the best profiles. It's hard to find much wrong with this dividend growth story.

Note: Valuentum may provide an adjusted ROIC measure to better reflect the economic substance of a company's operations, as in the case of companies with negative invested capital.



Microsoft MSFT FAIRLY VALUED

Buying Index™

Value Rating

Economic Castle
Attractive

Estimated Fair Value \$400.00 Fair Value Range \$320.00 - \$480.00 Investment Style MEGA-CAP BLEND **Sector**Information Technology

5

Industry Technology Giants

Growth Analysis

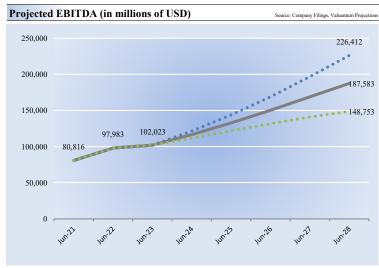
Revenue Growth				HIGH
		Last Fiscal		
		Year Revenue	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	211,915	14.0%	12.4%
Apple	USD	383,285	11.8%	5.4%
Amazon.com	USD	513,983	22.4%	9.5%
Alphabet	USD	282,836	20.4%	9.9%
Meta Platforms	USD	116,609	18.2%	12.1%
Peer Median			19.3%	9.7%
Industry Median			14.2%	6.2%

Microsoft's revenue expansion has trailed the median of both its peer group and its industry group during the past three years. We expect the firm's revenue expansion to outpace the median of its peer group and industry group during the next five years. Our growth assessment of each firm is based on the firm's 5-year forward revenue CAGR. Microsoft's future pace of revenue growth is HIGH, in our opinion.

In the chart above, we show our baseline forecast for revenue as well as potential upside and downside cases.

EBITDA Growth							
		Last Fiscal					
		Year EBITDA	3-year Historical CAGR	5-year Projected CAGR			
Microsoft	USD	102,023	16.1%	13.0%			
Apple	USD	125,820	17.6%	7.0%			
Amazon.com	USD	54,169	14.2%	24.6%			
Alphabet	USD	90,771	24.0%	12.8%			
Meta Platforms	USD	42,241	6.7%	16.0%			
Peer Median			15.9%	14.4%			
Industry Median			14.5%	9.5%			

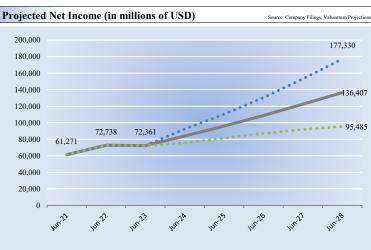
Microsoft's EBITDA expansion has been greater than that of both its peer group and industry group during the past three years. We expect the firm's EBITDA to trail its peer group but outpace that of its industry group during the next five years. Amazon.com sports the highest expected EBITDA growth rate among peers.



In the chart above, we show our baseline forecast for EBITDA as well as potential upside and downside cases.

Net Income Growth				
		Last Fiscal		
		Year Net Income	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	72,361	17.8%	13.5%
Apple	USD	96,995	19.1%	7.6%
Amazon.com	USD	-2,722	-161.7%	-297.3%
Alphabet	USD	59,972	20.4%	14.8%
Meta Platforms	USD	23,200	7.9%	21.5%
Peer Median			13.5%	11.2%
Industry Median			13.8%	12.2%

Microsoft's net income expansion has been greater than that of both its peer group and industry group during the past three years. We expect the firm's net income expansion to outpace its peer group and industry group during the next five years. Meta Platforms sports the highest net income growth rate among peers.



In the chart above, we show our baseline forecast for net income as well as potential upside and downside cases.



Microsoft MSFT FAIRLY VALUED

Buying Index™

Value Rating



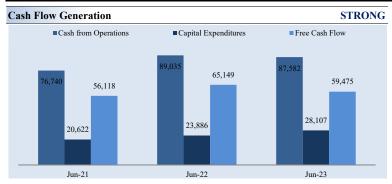
Economic Castle
Attractive

Estimated Fair Value \$400.00 Fair Value Range \$320.00 - \$480.00 Investment Style MEGA-CAP BLEND **Sector**Information Technology

5

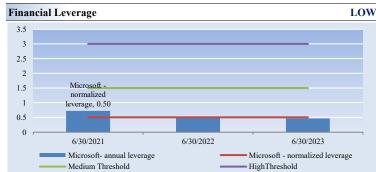
Industry
Technology Giants

Cash Flow and Financial Leverage Analysis



The bars above show the firms operating cash flow, capital expenditures, and free cash flow, respectively

Firms that generate a free cash flow margin (free cash flow divided by total revenue) above 5% are usually considered cash cows. Microsoft's free cash flow margin has averaged about 31.4% during the past 3 years. As such, we think the firm's cash flow generation is relatively STRONG. The free cash flow measure shown above is derived by taking cash flow from operations less capital expenditures and differs from enterprise free cash flow (FCFF), which we use in deriving our fair value estimate for the company. For more information on the differences between these two measures, please visit our website at Valuentum.com. At Microsoft, cash flow from operations increased about 14% from levels registered two years ago, while capital expenditures expanded about 36% over the same time period.



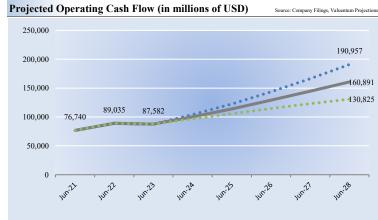
The bars above show the firm's annual debt-to-EBITDA. The red line shows the firm's normalized measure.

Firms that exhibit high leverage tend to be more risky than firms with relatively low debt loads, all else equal. We measure financial leverage by taking a firm's current total debt load and dividing it by the firm's trailing average 3-year annual EBITDA. Firms that are over 3 for this metric, we rate as having high leverage. Companies that have less than 1.5 turns of leverage (or a measure below 1.5), we rate as having low leverage. Microsoft's normalized debt-to-EBITDA measure of about 0.5 puts it in the LOW camp.

Cash Flow from Operations

		Last Fiscal Year CFO	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	87,582	13.0%	12.9%
Apple	USD	110,543	11.1%	9.9%
Amazon.com	USD	46,752	6.7%	27.1%
Alphabet	USD	91,495	18.8%	10.1%
Meta Platforms	USD	50,475	11.6%	11.5%
Peer Median			11.3%	10.8%
Industry Median			11.3%	9.9%

Microsoft's cash flow from operations expansion has been greater than that of both its peer group and industry group during the past three years. We expect the firm's cash flow from operations expansion to outpace its peer group and industry group during the next five years. Amazon.com sports the highest expected cash flow from operations growth rate among peers.

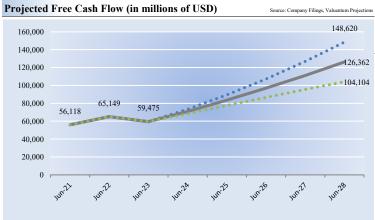


In the chart above, we show our baseline forecast for CFO as well as potential upside and downside cases.

Free Cash Flow (CFO-capital expenditures)

		Last Fiscal Year FCF	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	59,475	9.6%	16.3%
Apple	USD	99,584	10.7%	10.3%
Amazon.com	USD	-16,893	-192.1%	-239.8%
Alphabet	USD	60,010	24.7%	13.2%
Meta Platforms	USD	19,044	-3.5%	21.0%
Peer Median			3.6%	11.7%
Industry Median			11.0%	10.3%

Microsoft's free cash flow expansion has been greater than that of its peer group but has trailed that of its industry group during the past three years. We expect the firm's free cash flow expansion to outpace its peer group and industry group during the next five years. Meta Platforms sports the highest expected free cash flow growth rate among peers.



In the chart above, we show our baseline forecast for free cash flow as well as potential upside and downside cases

Microsoft MSFT FAIRLY VALUED

Buying Index™

Value Rating



 Economic Castle
 Estimated Fair Value
 Fair Value Range
 Investment Style
 Sector
 Industry

 Attractive
 \$400.00
 \$320.00 - \$480.00
 MEGA-CAP BLEND
 Information Technology
 Technology Giants

Valuation Analysis

Valuation Assumptions				
In Millions of USD (except for per share items)	5-year Projections			
Revenue CAGR %	12.4%			
Avg. EBIT Margin %	42.5%			
Avg. Cash Tax Rate %	18.0%			
Earnings Before Interest CAGR %	13.3%			
Earnings Per Share CAGR %	14.7%			
Free Cash Flow to the Firm CAGR %	19.7%			
Earnings before interest = Net operating profits less adjusted taxes	Long-term Proje	ections		
Phase II> III FCFF CAGR %	6.3% (II)	3% (III)		
Cost of Equity %	8.2%			
After-tax Cost of Debt %	3.9%			
Discount Rate (WACC) %	8.1%			
Synthetic credit spread = 0.875%	Results			
Phase I Present Value	376,905			
Phase II Present Value	1,209,595			
Phase III Present Value	1,305,095			
Total Firm Value	2,891,595			
Net Balance Sheet Impact	64,019			
Total Equity Value	2,955,614			
Diluted Shares Outstanding	7,397.3			
Fair Value per Share	\$400.00			

DCF Valuation Summary

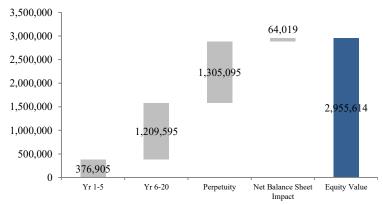
We think Microsoft is worth \$400 per share with a fair value range of \$320.00 - \$480.00. The margin of safety around our fair value estimate is driven by the firm's LOW ValueRiskTM rating, which is derived from an evaluation of the historical volatility of key valuation drivers and a future assessment of them. Our near-term operating forecasts, including revenue and earnings, do not differ much from consensus estimates or management guidance. Our model reflects a compound annual revenue growth rate of 12.4% during the next five years, a pace that is lower than the firm's 3-year historical compound annual growth rate of 14%. Our model reflects a 5-year projected average operating margin of 42.5%, which is above Microsoft's trailing 3-year average. Beyond year 5, we assume free cash flow will grow at an annual rate of 6.3% for the next 15 years and 3% in perpetuity. For Microsoft, we use a 8.1% weighted average cost of capital to discount future free cash flows.

Source: Company Filings, Valuentum Projection

Valuation Breakdown

In the chart below, we show the build up to our estimate of total enterprise value for Microsoft and the break down to the firm's total equity value, which we estimate to be about 2955.61USD billion. The present value of the enterprise free cash flows generated during each phase of our model and the net balance sheet impact is displayed. We divide total equity value by diluted shares outstanding to arrive at our \$400 per share fair value estimate.

5



In Millions of USD

Enterprise Free Cash Flow							
	Fiscal Year End:	6/30/2021	6/30/2022	6/30/2023			
Earnings before Interest		63,500	72,071	76,810			
+ Depreciation		9,300	12,600	11,000			
- Capital Expenditures		20,622	23,886	28,107			
- Change in Working Capital		1,957	8,983	6,842			
- Acquisitions		8,909	22,038	1,670			
Enterprise Free Cash Flow (FCFF)	41,312	29,764	51,191			
In Millions of USD							

Our future forecasts for key valuation drivers result in a future free enterprise cash flow stream. Above, we show how we calculate enterprise free cash flow and the historical performance of the metric for Microsoft. Over the next five years, we expect the firm's enterprise free cash flow to expand at about a 20% compound annual growth rate. During years 6 through 20, we expect the measure to grow at a 6.3% rate. Beyond year 20 (in perpetuity), we grow the firm's free cash flow at inflation (3%).

Company Metrics versus Peer and Industry Medians

Company Name	Valuentum Buying Index TM	Forward Price-to- Earnings	P/E on Est. Normal Diluted EPS	Price/Earnings-to- Growth (PEG), 5- year	Forward EV/EBITDA	EV/Est. Normal EBITDA	5-year Forward Earnings per Share CAGR	3-year Hist Avg ROIC, without goodwill	Dividend Yield %	Stock Price / Fair Value Estimate
Microsoft	5	32.4	24.3	2.6	22.8	17.6	14.7%	54.3%	0.8%	91.9%
Apple	6	29.2	24.4	3.6	22.5	19.3	8.7%	92.6%	0.5%	107.6%
Amazon.com	6	NMF	31.4	NMF	21.6	13.9	-297.3%	12.6%	0.0%	99.6%
Alphabet	7	24.6	18.3	1.8	16.7	13.0	17.1%	70.7%	0.0%	93.9%
Meta Platforms	7	23.2	16.6	1.6	16.3	12.3	24.9%	68.6%	0.0%	99.9%
Peer Median	6.5	24.6	21.3	1.8	19.1	13.5	12.9%	69.7%	0.0%	99.7%
Industry Median	6.0	23.7	18.2	2.0	16.3	13.0	13.4%	60.7%	0.7%	95.6%

View back of report for a full list of industry constituents covered by Valuentum. VBI: Valuentum's ranking for the attractiveness of this investment at the date of the report.



Microsoft MSFT FAIRLY VALUED

Buying Index™

Value Rating

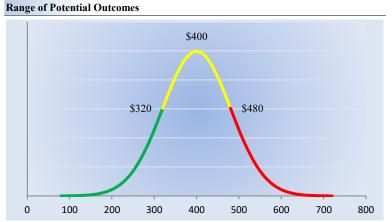


Economic Castle
Attractive

Estimated Fair Value \$400.00 Fair Value Range \$320.00 - \$480.00 Investment Style MEGA-CAP BLEND **Sector**Information Technology

Industry Technology Giants

Margin of Safety Analysis



Our discounted cash flow process values each firm on the basis of the present value of all future free cash flows. Although we estimate the firm's fair value at about \$400 per share, every company has a range of probable fair values that's created by the uncertainty of key valuation drivers (like future revenue or earnings, for example). After all, if the future were known with certainty, we wouldn't see much volatility in the markets as stocks would trade precisely at their known fair values. Our ValueRiskTM rating sets the margin of safety or the fair value range we assign to each stock. In the graph above, we show this probable range of fair values for Microsoft. We think the firm is attractive below \$320 per share (the green line), but quite expensive above \$480 per share (the red line). The prices that fall along the yellow line, which includes our fair value estimate, represent a reasonable valuation for the firm, in our opinion.

ValueRisk[™] LOW

5

Microsoft receives a ValueRiskTM rating of LOW based of the historical volatility of key drivers of economic value creation. The fair value range sets the margin of safety around our fair value estimate of the firm's shares.

Revenue Volatility	14.6%
Gross Margin Volatility	14.9%
Earnings (EBI) Volatility	15.8%
Cash Flow (FCFF) Volatility	17.1%
Fair Value Range	20.0%

The Fair Value Range sets the premium or discount on our estimate of the firm's fair value.

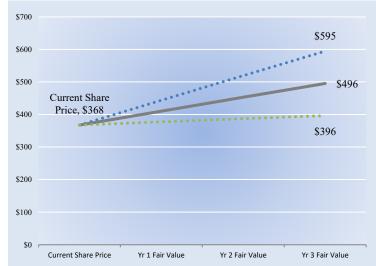
Upside and Downside Probabilities

Probability (fair value < \$0) Less than 0.1% Probability (fair value > 2x current share price) 0.00%

We strive to answer a few questions that investors often ask: 1) What are the chances of a total loss of investment in this company? and 2) What is the chance that the company is really worth twice what I paid for it? The probability (fair value < 0) strives to answer the first question. It indicates the chance that the firm may encounter insolvency based on the characteristics of its cash flow stream, capital structure, and risk profile. The probability (fair value > 2x current share price) strives to answer the second question. It is our best estimate of whether investors are participating in a half-off sale by buying the company's shares at current prices.

Future Path of Fair Value

We estimate Microsoft's fair value at this point in time to be about \$400 per share. As time passes, however, companies generate cash flow and pay out cash to shareholders in the form of dividends. The chart to the right compares the firm's current share price with the path of Microsoft's expected equity value per share over the next three years, assuming our long-term projections prove accurate. The range between the resulting downside fair value and upside fair value in Year 3 represents our best estimate of the value of the firm's shares three years hence. This range of potential outcomes is also subject to change over time, should our views on the firm's future cash flow potential change. The expected fair value of \$496 per share in Year 3 represents our existing fair value per share of \$400 increased at an annual rate of the firm's cost of equity less its dividend yield. The upside and downside ranges are derived in the same way, but from the upper and lower bounds of our fair value estimate range.



The graph above shows the expected future fair value of the firm's shares relative to its current stock price.

Microsoft MSFT FAIRLY VALUED

Buying Index™

Value Rating



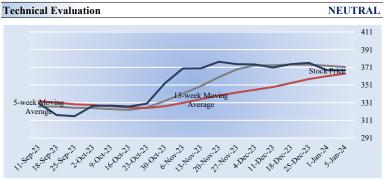
Economic Castle
Attractive

Estimated Fair Value \$400.00 Fair Value Range \$320.00 - \$480.00 Investment Style MEGA-CAP BLEND **Sector**Information Technology

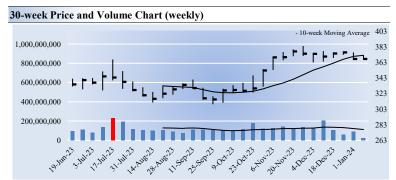
5

Industry Technology Giants

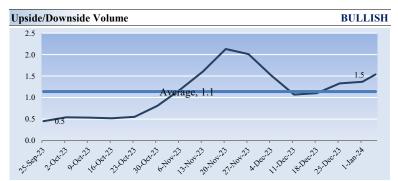
Technical Analysis



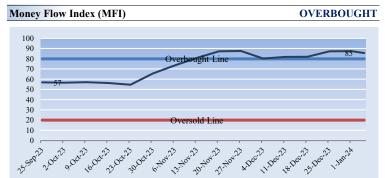
The firm's near-term moving average (5-week, grey line) and medium-term moving average (13-week, red line) are shown in the chart above. Typically, when a shorter-term moving average crosses a medium- or longer-term moving average from below, it represents a bullish signal. If the short-term moving average crosses from above, traders often view this as bearish. Microsoft's 5-week moving average resides above its 13-week measure, indicating a strong uptrend. However, the firm's Money Flow Index (MFI) suggests that a near-term pullback should be expected. We're NEUTRAL on the firm's technicals for now.



In the chart above, we pinpoint the heaviest accumulation or distribution week of the firm, determined by the week with the highest trading volume during the past 30 weeks. A heavy accumulation (buying) or distribution (selling) week often determines the future near-term direction of the firm's share price, as money managers continue to move in or out of the stock in the days and weeks ahead driving the stock up or down, respectively. For Microsoft, the week with the highest trading volume out of the last 30 weeks was a week of heavy selling, or distribution (red bar). Such market activity could indicate a reversal of an uptrend or further confirmation of a downtrend.



The level and trend of the Upside/Downside (U/D) volume ratio reveals whether institutional participation has been bullish or bearish as of late. Microsoft's U/D volume ratio of 1.5 is not only greater than 1 but also is better than its trailing average, indicating BULLISH institutional interest during the past several weeks.



The Money Flow Index (MFI) is an oscillator that uses price and volume to measure buying and selling pressure. Chartists often look for overbought (above 80) and oversold (below 20) levels to warn of unsustainable near-term price extremes. Microsoft's MFI of 85 indicates an OVERBOUGHT position and a high likelihood of a short-term pullback. We think the firm's shares have increased too far too fast to jump in at this point. The MFI can also be used to gauge the strength or weakness of a firm's price trend. In Microsoft's case, we think its price has reached an unsustainable near-term price extreme, trumping the presence of any near-term divergences between its stock price and money flow action.

Relative Price Strength NEUTRAL

A firm's relative price strength can be assessed over any number of time horizons. We show the firm's performance over the past 5 weeks, 13 weeks, and 30 weeks below. In arriving at our relative strength rating for each company, we assess the past 13 weeks, which includes the market's reaction to the firm's most recently reported quarter, where applicable, and other more recent economic events. During the past 13 weeks, Microsoft's shares returned 11.1%, while the market benchmark returned 10.4%. We think Microsoft's 13-week relative price performance is NEUTRAL.

5-week Company Performance	-0.2%
5-week Market Benchmark Performance	5.1%
5-week Relative Performance vs. Market Benchmark	-5.3%
13-week Company Performance	11.1%
13-week Market Benchmark Performance	10.4%
13-week Relative Performance vs. Market Benchmark	0.7%
30-week Company Performance	8.4%
30-week Market Benchmark Performance	12.2%
30-week Relative Performance vs. Market Benchmark	-3.8%

Timeliness Ma	Timeliness Matrix TM Equity Valuation						
Relative Strength	Overvalued	Fairly Valued	Undervalued				
Strong							
Neutral							
Weak							

Firms that are undervalued and currently showing near-term pricing strength score near the top right of the matrix.

Companies that are undervalued and showing near-term relative price strength could represent timely buys, as the stock may be attractive to both value and momentum investors. A cross section of the firm's equity valuation and its relative share price strength is shown in the matrix above. We tend to prefer undervalued stocks that have strong pricing momentum, also called Valuentum stocks.



Microsoft MSFT FAIRLY VALUED

Buying Index™

5

Value Rating



Economic Castle
AttractiveEstimated Fair Value
\$400.00Fair Value Range
\$320.00 - \$480.00Investment Style
MEGA-CAP BLENDSector
Information TechnologyIndustry
Technology Giants

Pro Forma Income Statement

-------Historical -----------Projected ---------

In Millions of USD (except for per share items)		11151011011		- 10,0	
	Jun-21	Jun-22	Jun-23	Jun-24	Jun-25
Total Revenue	168,088	198,270	211,915	243,278	277,337
Cost of Goods Sold	52,232	62,650	65,863	75,724	86,169
Selling, General and Administrative Expenses	25,224	27,725	30,334	34,876	39,686
Other Operating Expenses	20,716	24,512	27,195	31,267	35,579
Operating Income	69,916	83,383	88,523	101,412	115,902
Unusual items	0	0	0	0	0
Operating Income, including unusual items	69,916	83,383	88,523	101,412	115,902
Interest Expense	(2,330)	(2,047)	(1,995)	(1,995)	(1,995)
Other Non-operating Income	3,516	2,380	2,783	2,994	2,994
Pre-tax Income	71,102	83,716	89,311	102,411	116,901
Income Taxes	9,831	10,978	16,950	18,434	21,042
Income after tax	61,271	72,738	72,361	83,977	95,859
Minority Interest and Equity Income	0	0	0	0	0
Net Income, excluding extra items	61,271	72,738	72,361	83,977	95,859
Income Available to Common, excluding extra items	61,271	72,738	72,361	83,977	95,859
Diluted Earnings per Share, excluding extra items	8.05	9.65	9.68	11.35	13.09
Diluted Weighted Shares Outstanding	7,608.0	7,540.0	7,472.0	7,397.3	7,323.3

Source: Company Filings, Xignite, Valuentum Projections

Note: Pro forma data in discounted cash-flow valuation may reflect significant adjustments from GAAP accounting data, including cash (not effective) tax rates and other analytical adjustments on a backward-looking and forward-looking basis. No individual data, by itself, found in this report should be used to make any investment decision.



Microsoft MSFT FAIRLY VALUED

Buying Index™

5

Value Rating



 Economic Castle
 Estimated Fair Value
 Fair Value Range
 Investment Style
 Sector
 Industry

 Attractive
 \$400.00
 \$320.00 - \$480.00
 MEGA-CAP BLEND
 Information Technology
 Technology Giants

Pro Forma Balance Sheet

------ Historical ------ Projected -------

Jun-21	Jun-22	Jun-23	Jun-24	Jun-25
130,256	104,749	111,256	132,359	164,065
2,636	3,742	2,500	2,945	3,432
38,043	50,361	57,888	65,754	74,160
13,471	10,832	12,613	12,613	12,613
184,406	169,684	184,257	213,671	254,270
122,154	147,206	178,238	207,750	238,148
(51,351)	(59,660)	(68,251)	(80,879)	(95,275)
70,803	87,546	109,987	126,871	142,873
49,711	67,524	67,886	67,886	67,886
7,800	11,298	9,366	6,866	4,366
21,059	28,788	40,480	40,480	40,480
333,779	364,840	411,976	455,774	509,875
	,	,	· · · · · · · · · · · · · · · · · · ·	23,987
		· ·		84,309
			· · · · · · · · · · · · · · · · · · ·	5,247
88,657	95,082	104,149	108,640	113,542
50,074	47,032	41,990	41,990	41,990
53,060	56,184	59,614	59,614	59,614
191,791	198,298	205,753	210,244	215,146
0	0	0	0	0
· ·	, , , , , , , , , , , , , , , , , , ,	,	, , , , , , , , , , , , , , , , , , ,	93,718
		· ·	· · · · · · · · · · · · · · · · · · ·	251,886
		· · · /	· · · /	(50,875)
141,988	166,542	206,223	245,530	294,729
333,779	364,840	411,976	455,774	509,875
	130,256 2,636 38,043 13,471 184,406 122,154 (51,351) 70,803 49,711 7,800 21,059 333,779 15,163 65,422 8,072 88,657 50,074 53,060 191,791 0 83,111 57,055 1,822 141,988	130,256	130,256	130,256

Source: Company Filings, Xignite, Valuentum Projections

Note: Pro forma data in discounted cash-flow valuation may reflect significant adjustments from GAAP accounting data, including cash (not effective) tax rates and other analytical adjustments on a backward-looking and forward-looking basis. No individual data, by itself, found in this report should be used to make any investment decision.



Microsoft MSFT FAIRLY VALUED

Buying Index™

5

Value Rating



Economic Castle
AttractiveEstimated Fair Value
\$400.00Fair Value Range
\$320.00 - \$480.00Investment Style
MEGA-CAP BLENDSector
Information TechnologyIndustry
Technology Giants

Pro Forma Cash Flow Statement

------- Historical ------ Projected -------

In Millions of USD (except for per share items)						
	Jun-21	Jun-22	Jun-23	Jun-24	Jun-25	
Cash from Operations						
Net Income	61,271	72,738	72,361	83,977	95,859	
Depreciation and Amortization	10,900	14,600	13,500	15,128	16,896	
Deferred Income Taxes	0	0	0	0	0	
Operating Gains Or Losses	4,569	1,697	1,721	5,000	5,150	
Changes in Working Capital	0	0	0	(3,820)	(3,991)	
Cash Flow from Operations	76,740	89,035	87,582	100,285	113,914	
Cook from Investing						
Cash from Investing	(20, (22)	(22.006)	(20.107)	(20.512)	(20, 200)	
Purchase of Property, Plant, Equipment	(20,622)	(23,886)	(28,107)	(29,512)	(30,398)	
Other Investing Cash Flows	(6,955)	(6,425)	5,427	0	0	
Cash Flow from Investing	(27,577)	(30,311)	(22,680)	(29,512)	(30,398)	
Cash from Financing						
Issuance (Retirement) of Stock	(25,692)	(30,855)	(20,379)	(27,478)	(27,203)	
Issuance (Retirement) of Debt	(3,750)	(9,023)	(2,750)	0	0	
Dividends Paid	(16,521)	(18,135)	(19,800)	(22,192)	(24,606)	
Other Financing Cash Flows	(2,523)	(863)	(1,006)	0	0	
Cash Flow from Financing	(48,486)	(58,876)	(43,935)	(49,670)	(51,810)	
Foreign Exchange	(29)	(141)	(194)	0	0	
Net Change in Cash	648	(293)	20,773	21,103	31,707	

Source: Company Filings, Xignite, Valuentum Projections

Note: Pro forma data in discounted cash-flow valuation may reflect significant adjustments from GAAP accounting data, including cash (not effective) tax rates and other analytical adjustments on a backward-looking and forward-looking basis. No individual data, by itself, found in this report should be used to make any investment decision.



Microsoft MSFT FAIRLY VALUED

Buying Index™

Value Rating



Economic Castle
Attractive

Estimated Fair Value \$400.00 Fair Value Range \$320.00 - \$480.00 Investment Style MEGA-CAP BLEND **Sector**Information Technology

5

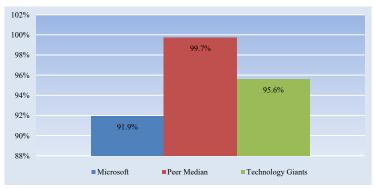
Industry Technology Giants

Technology Giants

Technology Giants

FAIRLY VALUED

We think the Technology Giants industry is fairly valued at this time. The industry's market cap is trading between 80% and 120% of our estimate of its fair value based on our DCF process. Although we use a firm-specific ValueRisk™ measure to determine whether a firm is undervalued or overvalued based on our DCF process, we consider an industry to be undervalued if it is trading below 80% of our estimate of its fair value and overvalued if it is trading at over 120% of our estimate of its fair value. We think these fair value ranges are appropriate given the diversification benefits of holding a basket of stocks. Although there may be individual opportunities within the Technology Giants industry, we don't find the industry as a whole attractive based solely on valuation.



The above bar chart reveals the price/fair value of the company, its peers, and the industry as a whole.

Shaded blue denotes that the firm has earned the highest rating for that respective category.

EBAY 23,900 LARGE-CAP VALUE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM POSITIVE BULLISH WEAK Enphase Energy ENPH 12,975 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BEARISH WEAK Alphabet GOOG 1,840,491 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG IBM IBM 145,521 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Intel INTC 189,658 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG KOrn-Ferry KFY 2,683 MID-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tencor KLAC 80,600 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tencor KLAC 103,275 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastercard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Manpower MAN 4,056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Micro Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Micro Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Novidia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Novidia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Novidia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	Company Name	Ticker	Market Cap (USD- mil)	Investment Style	DCF Valuation	Relative Valuation	ValueCreation™	ValueRisk™	ValueTrend™	Technicals	Relative Strength
Among Devices	Apple	AAPL	3,030,687	MEGA-CAP CORE	FAIRLY VALUED	UNATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BULLISH	STRONG
Appendentish Processing ADP 40.399 LARGE-CAP VALUE FARRY VALUED ATTRACTIVE EXCELLENT MODION POSITIVE VERY BULLISI STRONG Abstract Advances Adminish Admin	Adobe Systems	ADBE	275,300	MEGA-CAP BLEND	FAIRLY VALUED	NEUTRAL	EXCELLENT	LOW	NEGATIVE	BULLISH	STRONG
Applied Materials AMAT 13-194 LANGE-CAP VALUE FABREY VALUED ATTRACTIVE EXCELLENT MEDILM POSITIVE BILLISH STRING Advanced Monton Devices AMD 223-502 MIGACAP BLEND FABRLY VALUED UNATTRACTIVE EXCELLENT MEDILM NIGATIVE	Analog Devices	ADI	101,645	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BULLISH	STRONG
AMBORD Devices AMD 223,902 MEGA-CAP HEND FARRY VALLED NETTRACTIVE GOOD MEDIUM NEGATIVE NEITRAL STRONG ALONG A	Automatic Data Processing	ADP	96,359	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	VERY BULLISH	WEAK
AARDEN AAZN 1.562,789 MEGA-CAP RENNO FARELY VALUED NATURACTIVE GOOD MEDIUM NEGATIVE BULLISH STRONG ACROSS ANSS 28.66 LARGE-CAP RENNO FARELY VALUED NATURALL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG BURDON ANSO 390,322 MIGGA-CAP RENNO FARELY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH WEAK BEARD 198,671 LARGE-CAP VALUE LARGE-CAP VALUE CAPERAL ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH WEAK BURDON POSITIVE SEARCH WAS A STRONG MEDIUM POSITIVE BULLISH WEAK BURDON POSITIVE SEARCH WAS A STRONG MEDIUM POSITIVE WERE BULLISH WEAK BURDON FARELY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH WEAK BURDON FARELY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH WEAK BURDON FARELY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH WEAK BURDON FARELY VALUED NEUTRAL EXCELLENT LOW POSITIVE BURDON WAS BURDON FARELY VALUED NEUTRAL EXCELLENT LOW POSITIVE BURDON WAS BURDON FOR WAS BURDON FOR WAS BULLISH WEAK BURDON FARELY VALUED NEUTRAL EXCELLENT LOW POSITIVE BURDON WAS BURDON FOR WAS BURLISH STRONG BURDON FOR WAS BURDON FOR WAS BURLISH STRONG BURDON FOR WAS BURDON FOR WAS BURLISH STRONG BURDON FOR WAS BURLISH STRONG BURDON FOR W	Applied Materials	AMAT	134,194	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	POSITIVE	BULLISH	STRONG
Ansy ANS 29,86 LARGE-CAP BIEND FARRY VALUED NEUTRAL ENCELLENT MEDRIM NEGATIVE STRONG Breadonn ΑVGO 393,322 MEGA-CAP BIEND FABREY VALUED ATTRACTIVE EXCELLENT MEDRIM POSITIVE BELLISH NEUTRAL Albede BIDU 42,653 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT MEDRIM POSITIVE BEARISH WEAK Boking Bladings BING 124,955 LARGE-CAP BIEND FABRIY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BELLISH WEAK Gloso CSCO 198,007 LARGE-CAP VALUE FABRIY VALUED NEUTRAL EXCELLENT LOW POSITIVE BEARISH WEAK Globy EBAY 23,960 LARGE-CAP VALUE FABRIY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BEARISH WEAK Alphabe GOOG 1,848,611 MEGA-CAP BIEND FABRIY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE </td <td>Advanced Micro Devices</td> <td>AMD</td> <td>223,502</td> <td>MEGA-CAP BLEND</td> <td>FAIRLY VALUED</td> <td>UNATTRACTIVE</td> <td>EXCELLENT</td> <td>MEDIUM</td> <td>NEGATIVE</td> <td>NEUTRAL</td> <td>STRONG</td>	Advanced Micro Devices	AMD	223,502	MEGA-CAP BLEND	FAIRLY VALUED	UNATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	NEUTRAL	STRONG
Read-com	Amazon.com	AMZN	1,562,789	MEGA-CAP BLEND	FAIRLY VALUED	UNATTRACTIVE	GOOD	MEDIUM	NEGATIVE	BULLISH	STRONG
Baba	Ansys	ANSS	29,806	LARGE-CAP BLEND	FAIRLY VALUED	NEUTRAL	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	STRONG
Badu	Broadcom	AVGO	390,332	MEGA-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	POSITIVE	BULLISH	NEUTRAL
Boking Holdings BRNG 124,935 LARGE-CAP HEND FAIRLY VALUED ATTRACTIVE EXCELENT LOW POSITIVE BULLISH WEAK Salesforce.com CRM 229,659 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH WEAK Cloop CSCO 198,007 LARGE-CAP VALUE FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH WEAK cluy EBAY 22,900 LARGE-CAP VALUE FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH WEAK Emphase Energy ENPH 12,975 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH WEAK Aphabet GOOG 1,840,491 LARGE-CAP UNIVE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG BIMM IBM 1445,521 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG BIMM IBM 1445,521 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG BIMM IBM 1445,521 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG BIMM IBM 1445,521 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG MORE FOR WEAK AND ASSESSMENT OF THE PAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG MORE FOR WEAK AND ASSESSMENT OF THE PAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MORE FOR WEAK AND ASSESSMENT OF THE PAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MORE FOR WEAK AND ASSESSMENT OF THE PAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MORE FROM AND ASSESSMENT OF THE PAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MORE FROM AND ASSESSMENT OF THE PAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG MICROSOFT MATERIAL POOR MEDIUM NEGATIVE BULLISH STRONG MICROSOFT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRA	Alibaba	BABA	195,671	LARGE-CAP VALUE	UNDERVALUED	ATTRACTIVE	EXCELLENT	MEDIUM	POSITIVE	BEARISH	WEAK
Salesforce.com CRM 229.699 MEGA-CAP BLEND FARLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BEARISI WEAK classy BAY 23.900 LARGE-CAP VALUE FAIRLY VALUED NEUTRAL EXCELENT MEDIAN POSITIVE BEARISI WEAK Esphase Energy ENPH 12.975 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BEARISI WEAK Aphabet GOOG 1,340,491 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BEARISI WEAK Aphabet IBM BM 145.521 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG BIM BM BNTC 189.688 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG BULLISH STRONG INCIDAN INCIDAN NEGATIVE BULLISH STRONG INCIDAN MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIAN NEGATIVE BULLISH STRONG MEDIAN NEGATIVE BULLISH STRONG ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIAN NEGATIVE BULLISH STRONG MEDIAN MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIAN POSITIVE BULLISH STRONG MEDIAN MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIAN MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIAN MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG MEDIAN MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG MEDIAN NEGATIVE BULLISH STRONG MEDIAN MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT MEDIAN NEGATIVE BULLISH NEUTRAL MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT MEDIAN NEGATIVE BULLISH NEUTRAL NEUTRAL MEDIAN NEGATIVE BULLISH NEUTRAL NEUTRAL MEDIAN NEGATIVE BULLISH NEUTRAL NEUTRAL NEUTRAL MEDIAN NEGATIVE BULLISH NEUTRAL NEUTRAL NEUTRAL MEDIAN NEGATIVE BULLISH NEUTRAL NEUTRAL	Baidu	BIDU	42,653	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	GOOD	MEDIUM	POSITIVE	VERY BULLISH	WEAK
Cisco CSCO 198,007 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BEARISH WEAK BBBY Enghase Energy ENPH 12,975 LARGE-CAP VALUE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM POSITIVE BULLISH WEAK Enghase Energy ENPH 12,975 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BEARISH WEAK Alphabet GOOG 1,840,901 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG BIMM 145,521 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG INTO 189,658 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG KOMPTON WEAK ALTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIUM NEGATIVE BULLISH STRONG ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIUM NEGATIVE BULLISH STRONG MEDIUM NEGATIVE BULLISH STRONG ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIUM NEGATIVE BULLISH STRONG MEDIUM NEGATIVE BULLISH STRONG ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG MEDIUM NEGATIVE BULLISH NEUTRAL	Booking Holdings	BKNG	124,935	LARGE-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	VERY BULLISH	WEAK
BAY 23,900 LARGE-CAP VALUE FAIRLY VALUED NEUTAL EXCELLENT MEDIUM POSITIVE BULLISH WEAK Emphase Energy ENFI 12,975 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG IBM IBM 145,521 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG IBM INTC 189,658 LARGE-CAP CORE FAIRLY VALUED NEUTAL EXCELLENT LOW POSITIVE BULLISH STRONG Kern Ferry KFY 2,683 MID-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tenscor KLA-C 80,600 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tenscor KLA-C 80,600 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tenscor KLA-C 80,600 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastecard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTAL EXCELLENT LOW POSITIVE BULLISH STRONG Mastecard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTAL EXCELLENT LOW POSITIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP GREE FAIRLY VALUED NEUTAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED NEUTAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED NEUTAL POOR MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED NEUTAL POOR MEDIUM NEGATIVE BULLISH NEUTAL Micros Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTAL POOR MEDIUM NEGATIVE BULLISH NEUTAL Micros Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTAL POOR MEDIUM NEGATIVE BULLISH NEUTAL Micros Technology MU MEGA-CAP BLEND FAIRLY VALUED NEUTAL POOR MEDIUM NEGATIVE BULLISH NEUTAL Micros Technology MU NEGATIVE BULLISH NEUTAL MICROS TECHNOLOGY NEUTAL NEGATIVE BULLISH NEUTAL MICROS TECHNOLOGY NEUTAL NEUTAL NEUTAL MICROS TECHNOLOGY NEUTAL NEGATIVE BULLISH NEUTAL MICROS TECHNOLOGY NEUTAL NEUTAL NEUTAL	Salesforce.com	CRM	229,659	MEGA-CAP BLEND	FAIRLY VALUED	NEUTRAL	EXCELLENT	LOW	POSITIVE	BULLISH	WEAK
Enplase Energy ENPH 12,975 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BEARISH WEAK Alphabet GOOG 1,840,491 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Intel IDNT 189,658 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG MILLAR STRONG INTEL ID WILLISH STRONG MILLAR STRONG MAINTENANCE WILLISH STRONG MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG MEGA-CAP BLEND FAIRLY VALUED WATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG MICROSOFT MILLISH STRONG MEGA-CAP BLEND FAIRLY VALUED WATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL NEUTRAL NOTAL NOTAL WILLISH NEUTRAL NOTAL WALLED WATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NOTAL NOTAL WEAK PayPal PYPL 65,300 LARGE-CAP BLEND FAIRLY VALUED WATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL NOTAL WEAK WEAK WEAK WEAK AND ALARCE WAS BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL NEUTRAL NEUTRAL WEAK WEAK WEAK WEAK WEAK WEAK WEAK WEAK	Cisco	CSCO	198,007	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BEARISH	WEAK
Alphabete GOOG 1,840,491 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG INTO 189,658 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG INTO 189,658 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG KGnn/Ferry KFY 2,683 MID-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tencor KLAC 80,600 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Lam Research LRCX 103,275 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastercard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Manpower MAN 4,056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Meta-Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH STRONG Microsoft MU 80,002 LARGE-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL NORTH NORTH NEW PART NORTH NEUTRAL NEUTRAL NORTH NEUTRAL NEUTRAL NORTH NEUTRAL NEUTRAL NORTH NEUTRAL NEUTRAL NEUTRAL NORTH NEUTRAL NEUTRAL NORTH NEUTRAL NEUTRAL NEUTRAL NORTH NEUTRAL NEUTRAL NEUTRAL NEUTRAL NORTH NEUTRAL	eBay	EBAY	23,900	LARGE-CAP VALUE	FAIRLY VALUED	NEUTRAL	EXCELLENT	MEDIUM	POSITIVE	BULLISH	WEAK
IBM 145.521 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Intel INTC 189.658 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Korn-Ferry KFY 2.683 MID-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tencor KLAC 80.600 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Lam Research LRCX 103.275 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastercard MA 407.174 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Manpower MAN 4.056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG MICROSOFT MIST 2,720,350 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG MICROSOFT MIST 2,720,350 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL NIcron Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Novidia NVDA 1,197.744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Novidia NVDA 1,197.744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NOVIGIA NVDA 1,197.744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NOVIGIA NVDA 1,197.744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL NOVIGIA NVDA 1,197.744 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL NOVIGIA NVDA 1,197.744 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK NEUTRAL STRONG TAINGNEED TO	Enphase Energy	ENPH	12,975	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BEARISH	WEAK
Intel INTC 189,658 LARGE-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG KOrn/Ferry KFY 2,683 MID-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tencor KLAC 80,600 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Lam Research LRCX 103,275 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastercard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Manpower MAN 4,056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG MIGOROFT META PRINCIPAL POOR MEDIUM NEGATIVE BULLISH STRONG MICROSOFT META POOR MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL NIVIGIA NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NVIGIA NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NOTACLE ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL OTACLE ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PpyPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL STRONG TAINGNEED TO THE PAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL STRONG TAINGNEED TO THE PAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL TRANS INSTRUMENTS TO THE PAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL TRANS INSTRUMENTS TO THE PAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL TRANS INSTRUMENTS TO THE PAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL TRANS INSTRUMENTS TO THE PAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NE	Alphabet	GOOG	1,840,491	MEGA-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BULLISH	STRONG
Korn-Fetry KFY 2,683 MID-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG KLA-Tencor KLAC 80,600 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastercard IRCX 103,275 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastercard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Manpower MAN 4,056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG MIGOROF MU 80,002 LARGE-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL Nicion Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Nicion NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Oracle ORCL 320,884 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PhyPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL TRANS INSTRUMENTS TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL TRANS INSTRUMENTS TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL TRANS INSTRUMENTS TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL TRANS INSTRUMENTS	IBM	IBM	145,521	LARGE-CAP CORE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BULLISH	STRONG
KLAC 80,600 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastercard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Manpower MAN 4,056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL NEUTRAL Micron Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Nividia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH WEAK PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL STRONG Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL TEXAS Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL TEXAS INSTRUMENTS EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL TEXAS INSTRUMENTS EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL TEXAS INSTRUMENTS TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL TEXAS INSTRUMENTS	Intel	INTC	189,658	LARGE-CAP CORE	FAIRLY VALUED	NEUTRAL	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	STRONG
Lam Research LECX 103,275 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH STRONG Mastercard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Manpower MAN 4,056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL Micron Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL Nvidia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH NEUTRAL Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BEARISH WEAK ATTRACTIVE EXCELLENT LOW NEGATIVE BEARISH WEAK ATTRACTIVE EXCELLENT LOW NEGATIVE BEARISH WEAK ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BEARISH WEAK DUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL STRONG ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL STRONG ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL STRONG ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL NEUTRAL STRONG ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL NEUTRAL NEUTRAL STRONG	Korn/Ferry	KFY	2,683	MID-CAP VALUE	UNDERVALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BULLISH	STRONG
Mastercard MA 407,174 MEGA-CAP BLEND FAIRLY VALUED NEUTRAL EXCELLENT LOW POSITIVE BULLISH STRONG Manpower MAN 4,056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL NEUTRAL Micron Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Nvidia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE GOOD LOW POSITIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL STRONG Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Travas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL STRONG ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL STRONG ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL STRONG DEATH NEUTRAL STRONG ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTR	KLA-Tencor	KLAC	80,600	LARGE-CAP CORE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BULLISH	STRONG
Manpower MAN 4,056 MID-CAP CORE FAIRLY VALUED NEUTRAL EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH STRONG Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL Micron Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Nvidia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE GOOD LOW POSITIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL TEXAS INSTRUMENTS TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL	Lam Research	LRCX	103,275	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BULLISH	STRONG
Meta Platforms META 909,386 MEGA-CAP BLEND FAIRLY VALUED MICROSOFT MICROSOFT MEDIUM NEGATIVE BULLISH STRONG META MEDIUM NEGATIVE BULLISH STRONG META MEDIUM NEGATIVE NEUTRAL	Mastercard	MA	407,174	MEGA-CAP BLEND	FAIRLY VALUED	NEUTRAL	EXCELLENT	LOW	POSITIVE	BULLISH	STRONG
Microsoft MSFT 2,720,350 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL NEUTRAL Nictor Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Nictia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE GOOD LOW POSITIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL STRONG Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	Manpower	MAN	4,056	MID-CAP CORE	FAIRLY VALUED	NEUTRAL	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	STRONG
Micron Technology MU 80,002 LARGE-CAP BLEND FAIRLY VALUED NEUTRAL POOR MEDIUM NEGATIVE BULLISH NEUTRAL Nvidia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE GOOD LOW POSITIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL STRONG Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	Meta Platforms	META	909,386	MEGA-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	STRONG
Nvidia NVDA 1,197,744 MEGA-CAP BLEND FAIRLY VALUED UNATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE GOOD LOW POSITIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL STRONG Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	Microsoft	MSFT	2,720,350	MEGA-CAP BLEND	FAIRLY VALUED	UNATTRACTIVE	EXCELLENT	LOW	NEGATIVE	NEUTRAL	NEUTRAL
Oracle ORCL 320,884 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE BULLISH WEAK PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE GOOD LOW POSITIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL STRONG Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	Micron Technology	MU	80,002	LARGE-CAP BLEND	FAIRLY VALUED	NEUTRAL	POOR	MEDIUM	NEGATIVE	BULLISH	NEUTRAL
PayPal PYPL 65,300 LARGE-CAP VALUE UNDERVALUED ATTRACTIVE GOOD LOW POSITIVE BEARISH WEAK QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL STRONG Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	Nvidia	NVDA	1,197,744	MEGA-CAP BLEND	FAIRLY VALUED	UNATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	NEUTRAL
QUALCOMM QCOM 146,335 LARGE-CAP VALUE FAIRLY VALUED ATTRACTIVE EXCELLENT LOW NEGATIVE NEUTRAL STRONG Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	Oracle	ORCL	320,884	MEGA-CAP CORE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BULLISH	WEAK
Taiwan Semiconductor TSM 504,119 MEGA-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM POSITIVE BULLISH NEUTRAL Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	PayPal	PYPL	65,300	LARGE-CAP VALUE	UNDERVALUED	ATTRACTIVE	GOOD	LOW	POSITIVE	BEARISH	WEAK
Texas Instruments TXN 154,186 LARGE-CAP CORE FAIRLY VALUED ATTRACTIVE EXCELLENT MEDIUM NEGATIVE BULLISH NEUTRAL	QUALCOMM	QCOM	146,335	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	NEUTRAL	STRONG
	Taiwan Semiconductor	TSM	504,119	MEGA-CAP CORE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	POSITIVE	BULLISH	NEUTRAL
Visa V 632,109 MEGA-CAP BLEND FAIRLY VALUED ATTRACTIVE EXCELLENT LOW POSITIVE BULLISH NEUTRAL	Texas Instruments	TXN	154,186	LARGE-CAP CORE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	NEUTRAL
	Visa	v	632,109	MEGA-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BULLISH	NEUTRAL

Valuentum's Full Page Stock Report

DCF Valuation

Shows whether the firm is undervalued, fairly valued, or overvalued based on our DCF process and by how much.

Valuentum Buying Index (VBI)

Provides insight into the timeliness of an investment opportunity. We rank firms from 1 to 10 based on rigorous fiancial, valuation, and technical analysis. A 10 represents one of our top picks.



Valuentum Value Rating (VVR)

Indicates whether we think a firm is undervalued, fairly valued, or overvalued on the basis of our DCF process.



Investment Considerations

Evaluates firms on 12 different measures, from the firm's growth and cash flow generation to the stock's money flow index and upside/downside volume. We reveal technical support and resistance levels.

Business Quality

for shareholders

operations.

compared wth the

underlying risk of its

Investment Highlights

analysis of its financial

and technical strengths

Relative Valuation

Comparison of the

peers.

firm's PE, PEG, and

Price/FV ratios versus

Our opinion of the

and weaknesses.

company, including

Summary of the firm's

ability to create value

30-week Price and **Volume Action**

Displays the last accumulation or distribution week of the stock and historical price and volume action.

Company Vitals

industry and other

relevant company

Normalized EPS

Estimation of the

firm's normalized

earnings measures

valuation mutliples.

corresponding

and EBITDA

and the

Shows sector.

information.

Visit us at www.valuentum.com Valuentum Retail Equity Research Apple AAPL UNDERVALUED 3 Buying Index™ Value Rating Economic Castle Highest Rated Estimated Fair Value Investment Style MEGA-CAP VALUE Investment Consideration Apple is as much a brand as it is one of the most innovative companies

Stock Chart (weekly) ValueCreationTM ValueRiskTM 1.800.000.000 ValueTrendTM 116.00 Cash Flow Generation 111 1,200,000,000 Technical Evaluatio 800,000,000 Relative Strength Company Vitals

Apple is as much a brand as it is one of the world's

most innovative companies. The firm is no longer

known for its iPods and personal computers, as the

proliferation of the iPhone over the past several years

has been a sight to behold. The company's execution

remains top notch, and we enter it it to continue to out innovative products in technology, its most recent many product launch.

UNDERVALUED Relative Valuation UNATTRACTIVE EXCELLENT LOW POSITIVE STRONG MODEST BULLISH STRONG Money Flow Index (MFI) NEUTRAL Upside/Downside Volume (U/D) BULLISH Near-term Technical Support, 10-week MA 112.00 ited Cash Flow; MFI, U/D = Please see glos

ansimess Saumis		A WINGC LEWINOR.		
/alueRisk TM	Very Poor	Poor	Good	Excellent
Low				
Medium				
High				
Very High				
irms that generate economic	profits with little oper	eating variability scor	e near the top rigi	at of the matrix.
Relative Valuation	K	Forward P/E	PEG	Price / FV
		220	272.00	00.20/

· Criticism over the firm's dependence on sales of the	Firms that generate economic profits with little ope	postine specialistic score	a near the top riv
iPhone gained momentum in fiscal 2016, as the second quarter of the fiscal year marked the first	Relative Valuatio	Forward P/E	PEG
quarterly sales decline in 13 years. High levels of	BlackBerry	-53.0	NMF
demand for the iPhone 7 and multiple safety issues at	Cray	49.4	0.9
rival Samsung have eased concerns for the time being.	Hewlett-Packard	9.0	NMF
· Apple's rollout of future iterations of the iPhone	IBM	11.7	2.6
should propel its fundamentals higher. Though we're	Peer Median	10.4	1.8
not embedding another blockbuster hit in our model,	Apple	14.0	2.0
we wouldn't be surprised if Apple delivers another one	Price / FV = Current Stor vided by	y Estimated Fair Va	alue
from its pipeline. Perhaps only a dream five years ago, the popularity of the new Apple Watch is now worth	Financial Summar	Acts	nal
watching, though it has yet to catch fire in the eyes of	Fiscal Year End:	Sep-14	Sep-1

I cet teleditiit	10.4	E 140	001010
Apple	14.0	2.0	79.3%
Price / FV = Current Stor vided by I	Estimated Fair Val	lue	
Financial Summar	Actu	Projected	
Fiscal Year End:	Sep-14	Sep-15	Sep-16
Revenue	182,795	233,715	215,485
Revenue, YoY%	7.0%	27.9%	-7.8%
Operating Income	52,503	71,230	63,313
Operating Margin %	28.7%	30.5%	29.4%
Net Income	39,510	53,394	48,329
Net Income Margin %	21.6%	22.8%	22.4%
Diluted EPS	6.45	9.22	8.34
Diluted EPS, YoY %	13.6%	42.8%	-9.5%
Free Cash Flow (CFO-capex)	49,900	69,778	47,138
Free Cash Flow Margin %	27.3%	29.9%	21.9%

· Investors should pay close attention to the firm's Return on Equity 36.8% gross margin, which is expected to fall to 37.5%-38% in fiscal 2016 from 40% in fiscal 2015. Pricing and 19.3% Return on Assets ROIC, with goodwill cost pressures may be unavoidable. A slight step back ROIC, without goodwill ROIC = Return on Invested Capital; N

\$675,472

180.295

1.2%

2.28

7.3%

9.55

12.2

89.47 - 118.69

Information Technology

Leverage, Coverage, and Liquidity Total Debt 64,462 Net Debt -141.204 Total Debt/EBITDA 0.8 Net Debt/EBITDA EBITDA/Interest Current Ratio Quick Ratio

Market Cap (USD)

Valuentum Sector

5-week Return

13-week Return

30-week Return

Dividend Yield %

Dividends per Share

Est. Normal Diluted EPS

Est. Normal EBITDA

Forward EV/EBITDA

Returns Summary

EV/Est. Normal EBITDA

Forward Dividend Payout Ratio

P/E on Est. Normal Diluted EPS

Forward Revenue Growth (5-yr)

Forward EPS Growth (5-yr)
NMF = Not Meaningful: Est. = Estimated: FY = Fiscal Year

Avg Weekly Vol (30 wks)

30-week Range (USD)

fiscal 2016 should not be a major conce vestors given Apple's massive cash position and impressive track record

· Apple's cash hoard is more than some of the market capitalizations of the largest companies in the S&P 500. The company retains tremendous flexibility in this regard, and we continue to expect dividend increases and share buybacks.

Structure of the Computer Hardware Industry The computer hardware space, which spans the personal computer to the iPhone and iPad, is highly competitive. The indu is characterized by frequent product introductions and rapid technological advances that can cause dramatic market share shifts. Though some firms benefit from a strong brand, participants often price aggressively, pressuring margins. Firms are also subject to potential component shortages/disruptions, which can punish perform some, and services revenue has become critical for others. We're neutral on the space

VALUENTUM

77.3%

75.9%

Returns Summary

3-year averages of the firm's key return measures, including return on invested capital, with and without goodwill.



Page 1

Leverage, Coverage, and Liquidity

A snapshot of the company's financial health.



Financial Summary

A summary of the proforma financial statements found in the extended report.

About Valuentum

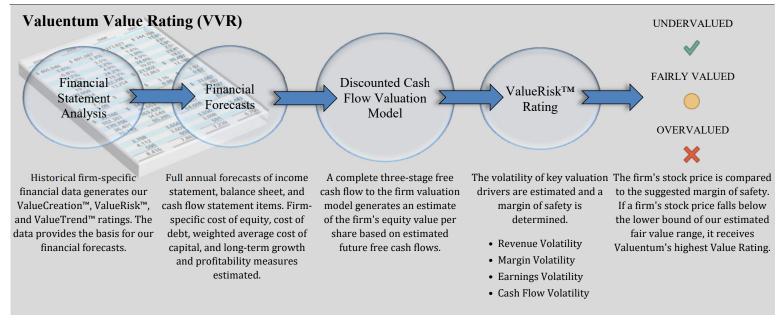
@Valuentum, we strive to stand out from the crowd. Most investment research publishers fall into a few camps, whether it be value, growth, income, momentum, chartist or some variant of the aforementioned. We think each in its own right holds merit, but we think the combination of these approaches can be even more powerful. After all, stock price movements aren't just driven by investors of the value or growth variety, but by all market participants. Therefore, we look at stocks from a variety of investment perspectives in order to better understand and identify ideas. We want to provide relevant information.

The core of our process is grounded in rigorous discounted cash flow analysis and incorporates the concept of a margin of safety. We offer a fair value estimate for each company and provide a relative valuation assessment in the context of a company's industry and closest peers. A cross section of our ValueCreationTM and ValueRiskTM ratings provides a financial assessment of a company's business quality, while our ValueTrendTM rating offers insight into the trajectory of a firm's economic profit creation. The Economic Castle rating measures the magnitude of future economic value generation, and the Dividend Cushion ratio assesses the financial capacity of a company to keep raising its dividend.

Our analysis doesn't stop there. We also offer a technical evaluation of the stock as well as other momentum indicators. We not only want to reveal to readers which firms may be undervalued, in our view, but we also want to provide readers with information to help them assess entry and exit points. Most research publishers focus on arriving at a target price or fair value estimate, but may fall short of providing a technical assessment to bolster buy and sell disciplines. We strive to go the distance and provide readers with answers--not half the story.

An explanation of our approach would not be complete if we didn't describe our ideal stock idea. We're looking for companies that are undervalued--both on a DCF basis and versus peers--have strong growth potential, have a solid track record of creating economic profits for shareholders with reasonable risk, are strong cash flow generators, have manageable financial leverage, and are currently showing bullish technical and momentum indicators. For dividend growth ideas, we look for companies that have both the capacity and willingness to keep raising the dividend.

Can such stock ideas exist? Subscribe to Valuentum to receive our best investment ideas and analysis on hundreds of stocks, dividends, ETFs and more.



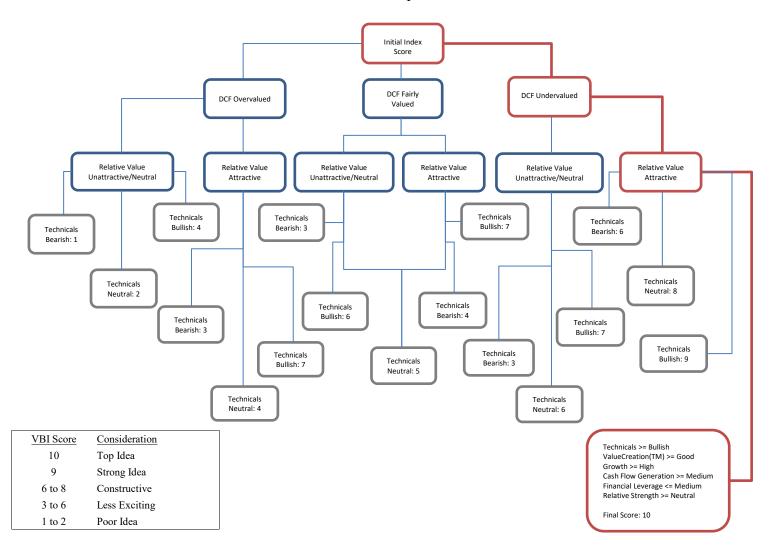
Methodology for Picking Stocks - Valuentum Buying IndexTM (VBI)

@ Valuentum, we like to look at companies from a number of different perspectives. The Valuentum Buying Index (VBI) combines rigorous financial and valuation analysis with an evaluation of a stock's technicals to derive a rating between 1 and 10 for each company. The VBI places considerable emphasis on a company's discounted cash-flow (DCF) valuation, its relative valuation versus peers (both forward PE and PEG ratios), and its technicals in order to help readers assess entry and exit points on the most interesting ideas.

Let's follow the red line on the flow chart below to see how a company can score a 10, the best mark on the index. First, the company would need to be 'undervalued' on a DCF basis and 'attractive' on a relative value basis. The stock would also have to be exhibiting 'bullish' technicals. The firm would need a ValueCreationTM rating of 'good' or 'excellent', exhibit 'high' or 'aggressive' growth prospects, and generate at least a 'medium' or 'neutral' assessment for cash flow generation, financial leverage, and relative price strength.

This is a tall order for any company. Stocks that don't make the cut for a 10 are ranked accordingly, with the least attractive stocks, in our opinion, garnering a rating of 1. Most of our coverage universe registers ratings between 3 and 7, but at any given time there could be large number of companies garnering either very high or very low scores, especially at market lows or tops, respectively.

The Best Ideas Newsletter portfolio puts the VBI into practice.



Glossary

Estimated Fair Value. This measure is our opinion of the fair equity value per share of the company. If our forecasts prove accurate, which may not always be the case, we may expect a firm's stock price to converge to this value within the next 3 years.

Fair Value Range. The fair value range represents an upper bound and lower bound, between which we would consider the firm to be fairly valued. The range considers our estimate of the firm's fair value and the margin of safety suggested by the volatility of key valuation drivers, including revenue, gross margin, earnings before interest, and enterprise free cash flow (the determinants behind our ValueRiskTM rating).

DCF Valuation. We opine on the firm's valuation based on our DCF process. Firms that are trading with an appropriate discount to our fair value estimate receive an UNDERVALUED rating. Firms that are trading within our fair value range receive a FAIRLY VALUED rating, while firms that are trading above the upper bound of our fair value range receive an OVERVALUED rating.

Relative Value. We compare the firm's forward price-to earnings (PE) ratio and its price/earnings-to-growth (PEG) ratio to that of its peers. If both measures fall below the peer median, the firm receives an ATTRACTIVE rating. If both are above the peer median, the firm receives an UNATTRACTIVE rating. Any other combination results in a NEUTRAL rating.

ValueCreation™. This is a proprietary Valuentum measure. ValueCreation™ indicates the firm's historical track record in creating economic value for shareholders, taking the average difference between ROIC (without goodwill) and the firm's estimated WACC during the past three years. The firm's performance is measured along the scale of EXCELLENT, GOOD, POOR, and VERY POOR. Those firms with EXCELLENT ratings have a demonstrated track record of creating economic value, while those that register a VERY POOR mark have been destroying economic value.

ValueRisk™. This is a proprietary Valuentum measure. ValueRisk™ indicates the historical volatility of key valuation drivers, including revenue, gross margin, earnings before interest, and enterprise free cash flow. The standard deviation of each measure is calculated and scaled against last year's measure to arrive at a percentage deviation for each item. These percentage deviations are weighted equally to arrive at the corresponding fair value range for each stock, measured in percentage terms. The firm's performance is measured along the scale of LOW, MEDIUM, HIGH, and VERY HIGH. The ValueRisk™ rating for each firm also determines the fundamental beta of each firm along the following scale: LOW (0.85), MEDIUM (1), HIGH (1.15), VERY HIGH (1.3).

ValueTrend™. This is a proprietary Valuentum measure. ValueTrend™ indicates the trajectory of the firm's return on invested capital (ROIC). Firms that earned an ROIC last year that was greater than the 3-year average of the measure earn a POSITIVE rating. Firms that earned an ROIC last year that was less than the 3-year average of the measure earn a NEGATIVE rating.

Cash Flow Generation. Firms' cash flow generation capacity are measured along the scale of STRONG, MEDIUM, and WEAK. A firm with a 3-year historical free cash flow margin (free cash flow divided by sales) greater than 5% receives a STRONG rating, while firms earning less than 1% of sales as free cash flow receive a WEAK rating.

Financial Leverage. Based on the firm's normalized debt-to-EBITDA metric, we rank firms on the following scale: LOW, MEDIUM, and HIGH. Companies with a normalized debt-to-EBITDA ratio below 1.5 receive a LOW score, while those with a measure above 3 receive a HIGH score.

Upside/Downside Volume. Heavy volume on up days and lower volume on down days suggests that institutions are heavily participating in a stock's upward advance. We use the trailing 14-week average of upside and downside volume to calculate an informative ratio. We rank each firm's U/D volume ratio along the following scale: BULLISH, IMPROVING, DETERIORATING, and BEARISH.

Investment Style. Valuentum uses its own proprietary stock-classification system. Nano-cap: Less than \$50 million; Micro-cap: Between \$50 million and \$200 million; Small-cap: Between \$200 million and \$2 billion; Mid-cap: Between \$2 billion and \$10 billion; Large-cap: Between \$10 billion and \$200 billion; Mega-cap: Over \$200 billion. Blend: Firm's that we think are undervalued and exhibit high growth prospects (growth in excess of three times the rate of assumed inflation). Value: Firm's that we believe are undervalued, but do not exhibit high growth prospects. Growth: Firms that are not undervalued, in our opinion, but exhibit high growth prospects. Core: Firms that are neither undervalued nor exhibit high growth prospects.

Company Vitals. In this section, we list key financial information and the sector and industry that Valuentum assigns to the stock. The P/E-Growth (5-yr), or PEG ratio, divides the current share price by last year's earnings (EPS) and then divides that quotient by our estimate of the firm's 5-year EPS growth rate. The estimated normalized diluted EPS and estimated normalized EBITDA represent the five-year forward average of these measures used in our discounted cash flow model. The P/E on estimated normalized EPS divides the current share price by estimated normalized diluted EPS. The EV/estimated normalized EBITDA considers the current enterprise value of the company and divides it by estimated normalized EBITDA. EV is defined as the firm's market capitalization plus total debt, minority interest, preferred stock less cash and cash equivalents.

Business Quality Matrix. We compare the firm's ValueCreation™ and ValueRisk™ ratings. The box is an easy way for investors to quickly assess the business quality of a company. Firms that generate economic profits with little operating variability score near the top right of the matrix.

Timeliness Matrix. We compare the company's recent stock performance relative to the market benchmark with our assessment of its valuation. Firms that are experiencing near-term stock price outperformance and are undervalued by our estimate may represent timely buys.

Range of Potential Outcomes. The firm's margin of safety is shown in the graphic of a normal distribution. We consider a firm to be undervalued if its stock price falls along the green line and overvalued if the stock price falls along the red line. We consider the firm to be fairly valued if its stock price falls along the yellow line.

Return on Invested Capital. At Valuentum, we place considerable emphasis on return on invested capital (both with and without goodwill). The measure focuses on the return (earnings) the company is generating on its operating assets and is superior to return on equity and return on assets, which can be skewed by a firm's leverage or excess cash balance, respectively.

Technical Evaluation. We evaluate a firm's near-term and medium-term moving averages and money flow index (MFI) to assign each firm a rating along the following scale: VERY BULLISH, BULLISH, NEUTRAL, BEARISH, and VERY BEARISH.

Stock Price Relative Strength. We assess the perfomance of the company's stock during the past quarter, 13 weeks, relative to an ETF that mirrors the aggregate performance of constituents of the stock market. Firms are measured along the scale of STRONG, NEUTRAL, and WEAK. Companies that have outperformed the market index by more than 2.5% during this 13-week period receive a STRONG rating, while firms that trailed the market index by more than 2.5% during this 13-week period receive a WEAK rating.

Money Flow Index (MFI). The MFI is a technical indicator that measures buying and selling pressure based on both price and volume. Traders typically use this measure to identify potential reversals with overbought and oversold levels. We use a 14-week measure to rank firms along the following scale: EXTREMELY OVERBOUGHT (>90), OVERBOUGHT (80-90), NEUTRAL (20-80), OVERSOLD (10-20), EXTREMELY OVERSOLD (0-10).



Disclosures, Disclaimers & Additional Sources

To send us feedback or if you have any questions, please contact us at valuentum@valuentum.com. We're always looking for ways to better serve your investment needs and improve our research.

The High Yield Dividend Newsletter portfolio, the Best Ideas Newsletter portfolio and Dividend Growth Newsletter portfolio are not real money portfolios. Any performance, including that in the Nelson Exclusive publication, is hypothetical and does not represent actual trading. Past performance is not a guarantee of future results.

Valuentum is an investment research publishing company.

Valuentum has not owned and does not own any shares of stocks mentioned on its website or in this report. President of Investment Research Brian Nelson does not own any shares of stocks mentioned on Valuentum's website or in this report. Majority share owner of Valuentum, Elizabeth Nelson, currently has exposure to HON in her retirement account.

If an independent contributor or employee mentions a stock he or she owns, we disclose it in the article/report that mentions the security. Please view individual articles on Valuentum's website for additional disclosures. Contact us to learn more about Valuentum's editorial policies.

MSFT Rating History	Price	Fair Value	VBI
5-Jan-24	\$367.75	\$400.00	5
27-Nov-23	\$379.76	\$378.00	5
7-Jul-23	\$337.22	\$307.00	6
24-Dec-22	\$239.82	\$262.00	3
22-Sep-22	\$239.90	\$305.00	3
26-Aug-22	\$268.09	\$335.00	3
17-Jun-22	\$247.65	\$334.00	3
22-Mar-22	\$304.06	\$332.00	6
3-Dec-21	\$323.01	\$342.00	6
15-Nov-21	\$335.22	\$341.00	6
27-Jul-21	\$288.65	\$300.00	6
15-Apr-21	\$259.16	\$264.00	6
1-Dec-20	\$216.21	\$236.00	6
21-Aug-20	\$213.02	\$216.00	7

Copyright (c) 2017 by Valuentum, Inc. All rights reserved.

No part of this publication may be reproduced in any form or by any means.

The information contained in this report is not represented or warranted to be accurate, correct, complete, or timely. This report is for informational purposes only and should not be considered a solicitation to buy or sell any security. No warranty or guarantee may be created or extended by sales or promotional materials, whether by email or in any other format. The securities or strategies mentioned herein may not be suitable for all types of investors. The information contained in this report does not constitute any advice, especially on the tax consequences of making any particular investment decision. This material is not intended for any specific type of investor and does not take into account an investor's particular investment objectives, financial situation or needs. This report is not intended as a recommendation of the security highlighted or any particular investment strategy. Before acting on any information found in this report, readers should consider whether such an investment is suitable for their particular circumstances, perform their own due-diligence, and if necessary, seek professional advice.

The sources of the data used in this report are believed by Valuentum to be reliable, but the data's accuracy, completeness or interpretation cannot be guaranteed. Assumptions, opinions, and estimates are based on our judgment as of the date of the report and are subject to change without notice. Valuentum is not responsible for any errors or omissions or for results obtained from the use of this report and accepts no liability for how readers may choose to utilize the content. In no event shall Valuentum be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of the information contained in this document. Investors should consider this report as only a single factor in making their investment decision.

Valuentum is not a money manager, is not a registered investment advisor, and does not offer brokerage or investment banking services. Valuentum has not received any compensation from the company or companies highlighted in this report. Valuentum, its employees, independent contractors and affiliates may have long, short or derivative positions in the securities mentioned herein. Information and data in Valuentum's valuation models and analysis may not capture all subjective, qualitative influences such as changes in management, business and political trends, or legal and regulatory developments. Redistribution is prohibited without written permission. Readers should be aware that information in this work may have changed between when this work was written or created and when it is read. There is risk of substantial loss associated with investing in financial instruments.

Valuentum's company-specific forecasts used in its discounted cash flow model are rules-based. These rules reflect the experience and opinions of Valuentum's analyst team. Historical data used in our valuation model is provided by Xignite and from other publicly available sources including annual and quarterly regulatory filings. Stock price and volume data is provided by Xignite. No warranty is made regarding the accuracy of any data or any opinions. Valuentum's valuation model is based on sound academic principles, and other forecasts in the model such as inflation and the equity risk premium are based on long-term averages. The Valuentum proprietary automated text-generation system creates text that will vary by company and may often change for the same company upon subsequent updates.

Valuentum uses its own proprietary stock investment style and industry classification systems. Peer companies are selected based on the opinions of the Valuentum analyst team. Research reports and data are updated periodically, though Valuentum assumes no obligation to update its reports, opinions, or data following publication in any form or format. Performance assessment of Valuentum metrics, including the Valuentum Buying Index, is ongoing, and we intend to update investors periodically, though Valuentum assumes no obligation to do so. Not all information is available on all companies. There may be a lag before reports and data are updated for stock splits and stock dividends.

Past simulated performance, whether backtested or walk-forward or other, is not a guarantee of future results. For general information about Valuentum's products and services, please contact us at valuentum@valuentum.com or visit our website at www.valuentum.com.