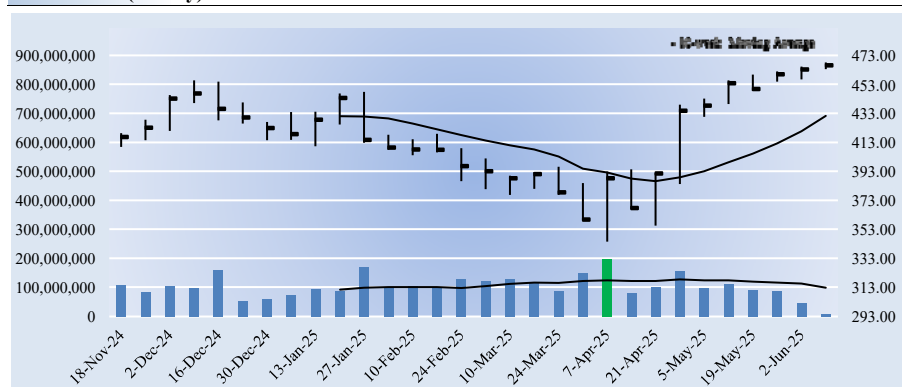


Microsoft MSFT FAIRLY VALUED**Buying Index™****6****Value Rating**

Economic Castle Attractive	Estimated Fair Value \$496.00	Fair Value Range \$397.00 - \$595.00	Investment Style MEGA-CAP BLEND	Sector Information Technology	Industry Technology Giants
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Microsoft is an excellent enterprise. We love shares, and the firm has a tremendous opportunity in artificial intelligence, of which it maintains a leading position.

Stock Chart (weekly)

The week with the highest trading volume out of the last 30 weeks was a week of heavy selling, or distribution (red bar).

Company Vitals

Market Cap (USD)	\$3,451,035
Avg Weekly Vol (30 wks)	103,804
30-week Range (USD)	344.79 - 468.75
Valuentum Sector	Information Technology
5-week Return	4.7%
13-week Return	20.7%
30-week Return	12.5%
Dividend Yield %	0.7%
Dividends per Share	3.32
Forward Dividend Payout Ratio	24.5%
Est. Normal Diluted EPS	18.04
P/E on Est. Normal Diluted EPS	25.9
Est. Normal EBITDA	185,683
Forward EV/EBITDA	23.8
EV/Est. Normal EBITDA	18.5
Forward Revenue Growth (5-yr)	12.0%
Forward EPS Growth (5-yr)	14.5%

NMF = Not Meaningful; Est. = Estimated; FY = Fiscal Year

Returns Summary

3-year Historical Average

Return on Equity	41.0%
Return on Assets	19.5%
ROIC, with goodwill	34.9%
ROIC, without goodwill	49.8%

ROIC = Return on Invested Capital; NMF = Not Meaningful

Leverage, Coverage, and Liquidity

In Millions of USD

Total Debt	51,630
Net Debt	-23,901
Total Debt/EBITDA	0.4
Net Debt/EBITDA	NMF
EBITDA/Interest	43.4
Current Ratio	1.3
Quick Ratio	1.1

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 bread-and-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.

Structure of the Software Industry

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 high-margin 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.

Investment Considerations

DCF Valuation	FAIRLY VALUED
Relative Valuation	UNATTRACTIVE
ValueCreation™	EXCELLENT
ValueRisk™	LOW
ValueTrend™	NEGATIVE
Cash Flow Generation	STRONG
Financial Leverage	LOW
Growth	HIGH
Technical Evaluation	BULLISH
Relative Strength	STRONG
Money Flow Index (MFI)	NEUTRAL
Upside/Downside Volume (U/D)	BULLISH
Near-term Technical Support, 10-week MA	432.00

DCF = Discounted Cash Flow; MFI, U/D = Please see glossary. MA = Moving Average

Business Quality

ValueCreation™

ValueRisk™	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
Alphabet	17.2	1.4	75.4%
Amazon.com	NMF	NMF	92.3%
Apple	28.4	2.8	87.4%
Meta Platforms	26.5	1.7	98.4%
Peer Median	26.5	1.7	89.8%
Microsoft	34.5	2.7	94.1%

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

Financial Summary

	Actual	Projected
Fiscal Year End:	Jun-23	Jun-24
Revenue	211,915	245,122
Revenue, YoY%	6.9%	15.7%
Non-GAAP Operating Income	88,675	109,433
Non-GAAP EBIT %	41.8%	44.6%
Non-GAAP Net Income	72,361	88,136
Non-GAAP NI Margin %	34.1%	36.0%
Non-GAAP Diluted EPS	9.68	11.80
Non-GAAP Dil EPS, YoY %	0.4%	21.8%
Non-GAAP FCF (CFO-capex)	59,475	74,071
Non-GAAP FCF Margin %	28.1%	30.2%

In Millions of USD (except for per share items)

VERY GOOD

Microsoft MSFT FAIRLY VALUED**Buying Index™****6****Value Rating****Economic Castle**
Attractive**Estimated Fair Value**
\$496.00**Fair Value Range**
\$397.00 - \$595.00**Investment Style**
MEGA-CAP BLEND**Sector**
Information Technology**Industry**
Technology Giants**Economic Profit Analysis****ValueCreation™****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 49.8%, which is above the estimate of its cost of capital of 8.2%. As such, we assign the firm a ValueCreation™ 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.

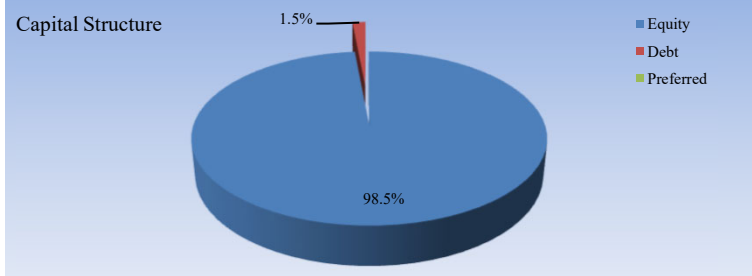
ROIC - WACC Spread, 3-year historical average 41.6%

ROIC - WACC Spread, 5-year projected average 35.3%

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

ValueTrend™**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 48% last year from its trailing 3-year average of 49.8%. We expect ROIC (excluding goodwill) to be in the ballpark of about 45% by the end of our discrete forecast period, with downside risk to about 36% over that time period.

Weighted Average Cost of Capital (WACC)**Cost of Equity**

Risk Free Rate Assumption 4.3%

Fundamental Beta (ERP multiplier) 0.6

Estimated Equity Risk Premium 6.5%

Cost of Equity Assumption 8.2%**After-tax Cost of Debt**

Risk Free Rate Assumption 4.3%

Synthetic Credit Spread 1.29%

Cost of Debt Assumption 5.6%

Cash Tax Rate Assumption 18.0%

After-tax Cost of Debt Assumption 4.6%**Cost of Preferred Stock**

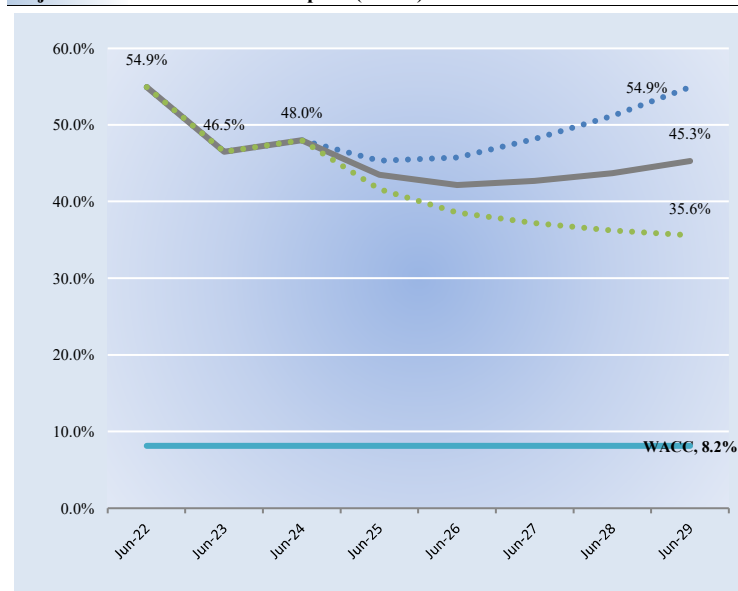
Preferred Dividends 0

Value of Preferred Stock 0

Cost of Preferred Assumption NA

Weighted Average Cost of Capital (WACC)**8.2%**

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 deal for Activision has changed 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 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

Economic Castle
Attractive

Estimated Fair Value
\$496.00

Fair Value Range
\$397.00 - \$595.00

Buying Index™ 6

Value Rating



Investment Style
MEGA-CAP BLEND

Sector
Information Technology

Industry
Technology Giants

Growth Analysis

Revenue Growth

HIGH

		Last Fiscal Year Revenue	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	245,122	13.4%	12.0%
Alphabet	USD	350,018	10.8%	10.2%
Amazon.com	USD	637,959	10.7%	10.0%
Apple	USD	391,035	2.2%	6.7%
Meta Platforms	USD	164,501	11.7%	12.7%
Peer Median			10.7%	10.1%
Industry Median			9.1%	8.6%

Microsoft's revenue expansion has been greater than the median of both its peer group and 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.

EBITDA Growth

		Last Fiscal Year EBITDA	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	129,433	17.0%	12.5%
Alphabet	USD	129,497	13.3%	12.2%
Amazon.com	USD	120,468	26.6%	14.5%
Apple	USD	134,661	3.8%	8.4%
Meta Platforms	USD	83,717	15.2%	15.4%
Peer Median			14.3%	13.4%
Industry Median			8.1%	12.4%

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. Meta Platforms sports the highest EBITDA growth rate among peers.

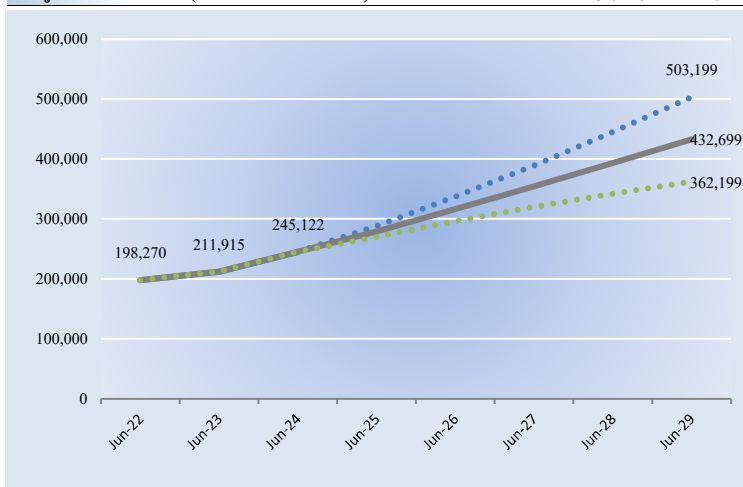
Net Income Growth

		Last Fiscal Year Net Income	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	88,136	12.9%	13.4%
Alphabet	USD	100,118	9.6%	12.2%
Amazon.com	USD	59,248	21.1%	17.6%
Apple	USD	93,736	-0.3%	11.0%
Meta Platforms	USD	62,360	16.6%	14.2%
Peer Median			13.1%	13.2%
Industry Median			5.0%	13.5%

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

Projected Revenue (in millions of USD)

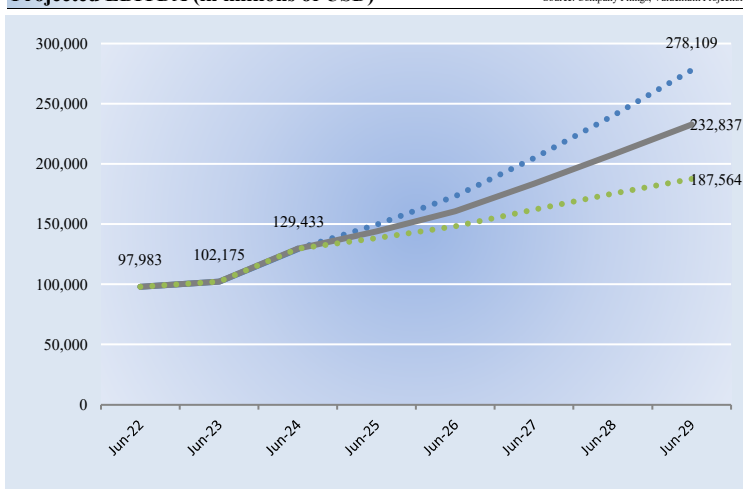
Source: Company Filings, Valuentum Projections



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

Projected EBITDA (in millions of USD)

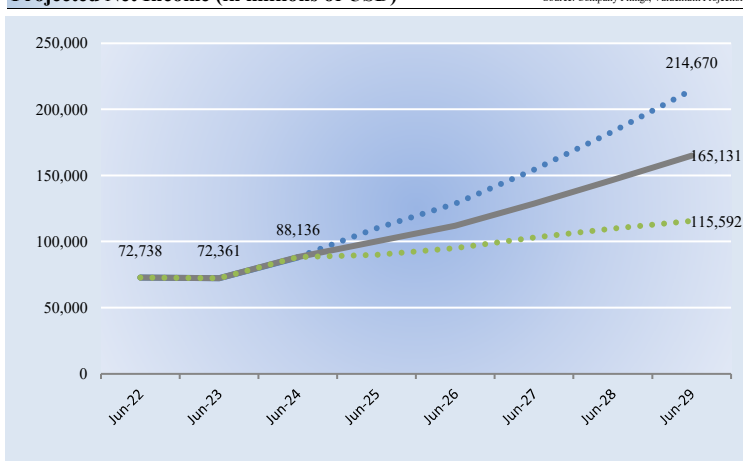
Source: Company Filings, Valuentum Projections



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

Projected Net Income (in millions of USD)

Source: Company Filings, Valuentum Projections



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

Microsoft MSFT FAIRLY VALUED

Economic Castle
Attractive

Estimated Fair Value
\$496.00

Fair Value Range
\$397.00 - \$595.00

Buying Index™ 6

Value Rating

Investment Style
MEGA-CAP BLEND

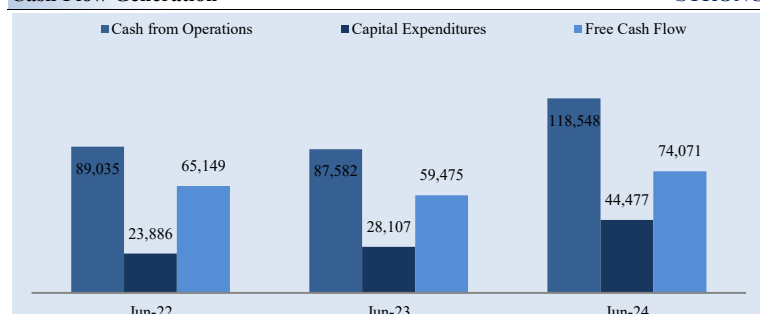
Sector
Information Technology

Industry
Technology Giants

Cash Flow and Financial Leverage Analysis

Cash Flow Generation

STRONG



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 30.4% 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 33% from levels registered two years ago, while capital expenditures expanded about 86% over the same time period.

Cash Flow from Operations

		Last Fiscal Year CFO	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	118,548	15.6%	11.9%
Alphabet	USD	125,299	11.0%	10.6%
Amazon.com	USD	115,877	35.7%	14.4%
Apple	USD	118,254	4.4%	10.9%
Meta Platforms	USD	91,328	16.6%	11.9%
Peer Median			13.8%	11.4%
Industry Median			8.9%	11.5%

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.

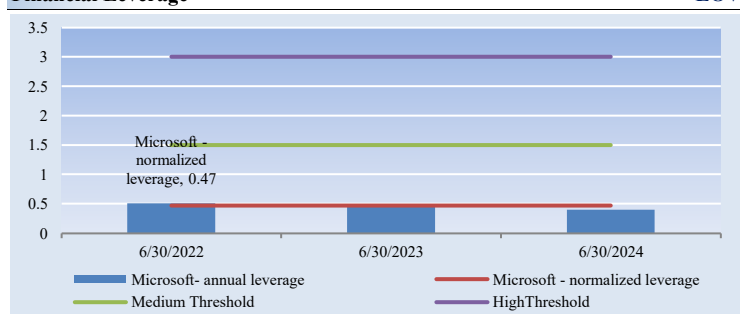
Free Cash Flow (CFO-capital expenditures)

		Last Fiscal Year FCF	3-year Historical CAGR	5-year Projected CAGR
Microsoft	USD	74,071	9.7%	15.8%
Alphabet	USD	72,764	2.8%	16.6%
Amazon.com	USD	32,878	-230.7%	34.4%
Apple	USD	108,807	5.4%	10.9%
Meta Platforms	USD	54,072	11.5%	10.9%
Peer Median			4.1%	13.8%
Industry Median			8.8%	11.1%

Microsoft's free cash flow expansion has been greater than that of both its peer group and 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. Amazon.com sports the highest expected free cash flow growth rate among peers.

Financial Leverage

LOW

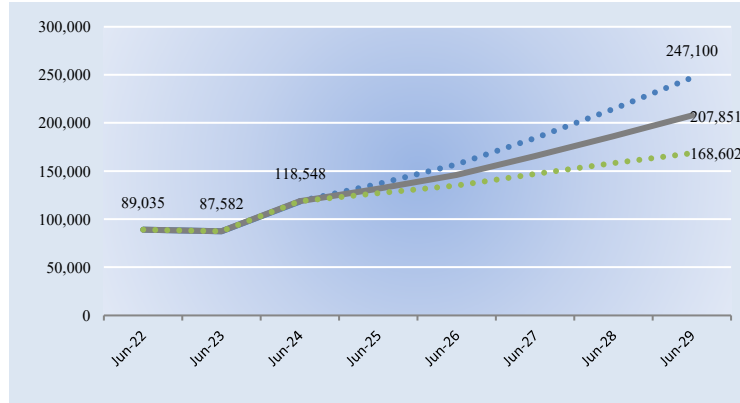


The bars above show the firm's annual debt-to-EBITDA. The red line shows the firm's normalized measure.

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 0.47 puts it in the **LOW** camp.

Projected Operating Cash Flow (in millions of USD)

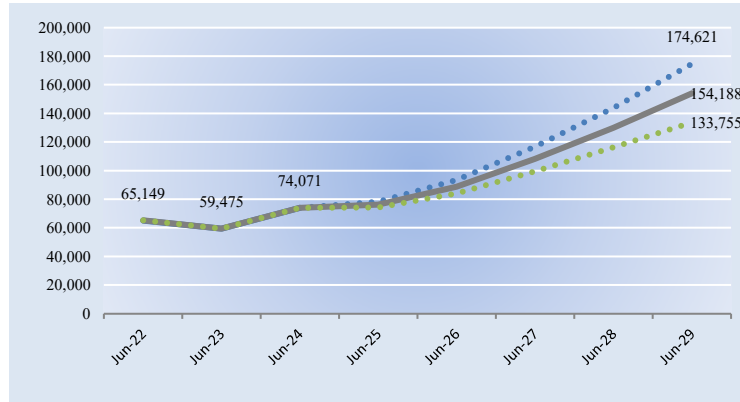
Source: Company Filings, Valuentum Projections



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

Projected Free Cash Flow (in millions of USD)

Source: Company Filings, Valuentum Projections



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

Economic Castle Attractive	Estimated Fair Value \$496.00	Fair Value Range \$397.00 - \$595.00	Investment Style MEGA-CAP BLEND	Sector Information Technology	Industry Technology Giants
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VALUENTUM

Buying Index™

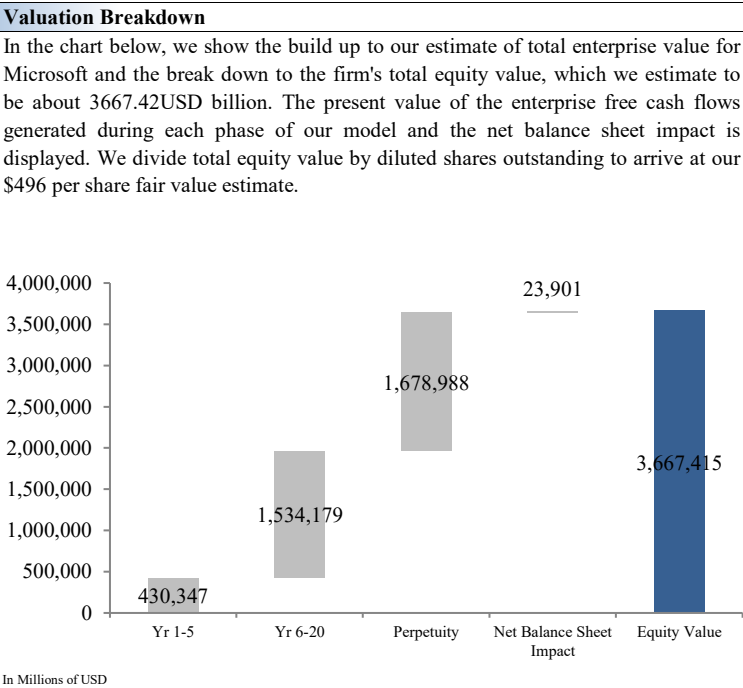
6

VALUENTUM

Value Rating

Valuation Analysis

Valuation Assumptions		
In Millions of USD (except for per share items)		
	<u>5-year Projections</u>	
Revenue CAGR %	12.0%	
Avg. EBIT Margin %	44.6%	
Avg. Cash Tax Rate %	18.0%	
Earnings Before Interest CAGR %	12.1%	
Earnings Per Share CAGR %	14.5%	
Free Cash Flow to the Firm CAGR %	110.7%	
Earnings before interest = Net operating profits less adjusted taxes		
	<u>Long-term Projections</u>	
Phase II --> III FCFF CAGR %	6.6% (II)	3% (III)
Cost of Equity %	8.2%	
After-tax Cost of Debt %	3.9%	
Discount Rate (WACC) %	8.2%	
Synthetic credit spread = 1.29%		
	<u>Results</u>	
Phase I Present Value	430,347	
Phase II Present Value	1,534,179	
Phase III Present Value	1,678,988	
Total Firm Value	3,643,514	
Net Balance Sheet Impact	23,901	
Total Equity Value	3,667,415	
Diluted Shares Outstanding	7,394.3	
Fair Value per Share	\$496.00	



DCF Valuation Summary

We think Microsoft is worth \$496 per share with a fair value range of \$397.00 - \$595.00. The margin of safety around our fair value estimate is driven by the firm's LOW ValueRisk™ 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% during the next five years, a pace that is lower than the firm's 3-year historical compound annual growth rate of 13.4%. Our model reflects a 5-year projected average operating margin of 44.6%, which is above Microsoft's trailing 3-year average. Beyond year 5, we assume free cash flow will grow at an annual rate of 6.6% for the next 15 years and 3% in perpetuity. For Microsoft, we use a 8.2% weighted average cost of capital to discount future free cash flows.

Enterprise Free Cash Flow				
	Fiscal Year End:	6/30/2022	6/30/2023	6/30/2024
Earnings before Interest		72,071	76,935	104,947
+ Depreciation		12,600	11,000	15,200
- Capital Expenditures		23,886	28,107	44,477
- Change in Working Capital		8,983	6,842	2,826
- Acquisitions		22,038	1,670	69,132
Enterprise Free Cash Flow (FCFF)		29,764	51,316	3,712
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 111% compound annual growth rate. During years 6 through 20, we expect the measure to grow at a 6.6% rate. Beyond year 20 (in perpetuity), we grow the firm's free cash flow at inflation (3%).				

Source: Company Filings, Valuentum Projections

Company Metrics versus Peer and Industry Medians

Company Name	Valuentum Buying Index™	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	6	34.5	25.9	2.7	23.8	18.5	14.5%	49.8%	0.7%	94.1%
Alphabet	6	17.2	13.5	1.4	12.8	10.5	14.5%	70.8%	0.5%	75.4%
Amazon.com	6	NMF	22.4	NMF	16.1	11.8	17.6%	13.8%	0.0%	92.3%
Apple	3	28.4	23.0	2.8	21.7	18.0	12.2%	89.5%	0.5%	87.4%
Meta Platforms	7	26.5	18.4	1.7	17.8	13.1	17.4%	63.9%	0.3%	98.4%
Peer Median	6.0	26.5	20.4	1.7	16.9	12.5	16.0%	67.3%	0.4%	89.8%
Industry Median	4.0	22.5	18.3	2.0	15.7	12.7	14.5%	56.6%	0.7%	95.5%

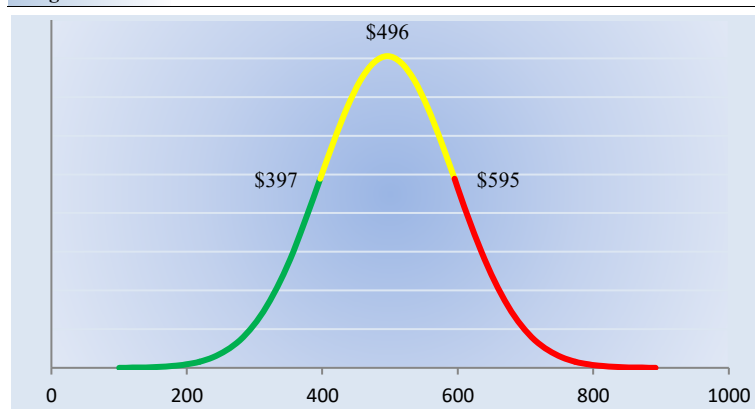
View back of report for a full list of industry constituents covered by Valuentum. VBI: Valuentum's ranking for the attractiveness of this investment at the date of the report.



Microsoft MSFT FAIRLY VALUED**Buying Index™****6****Value Rating**

Economic Castle Attractive	Estimated Fair Value \$496.00	Fair Value Range \$397.00 - \$595.00
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Investment Style MEGA-CAP BLEND	Sector Information Technology	Industry Technology Giants
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Margin of Safety Analysis**Range of Potential Outcomes**

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 \$496 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 ValueRisk™ 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 \$397 per share (the green line), but quite expensive above \$595 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**

Microsoft receives a ValueRisk™ 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	13.0%
Gross Margin Volatility	13.4%
Earnings (EBI) Volatility	17.1%
Cash Flow (FCFF) Volatility	Greater than 50%
Fair Value Range	20.0%

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

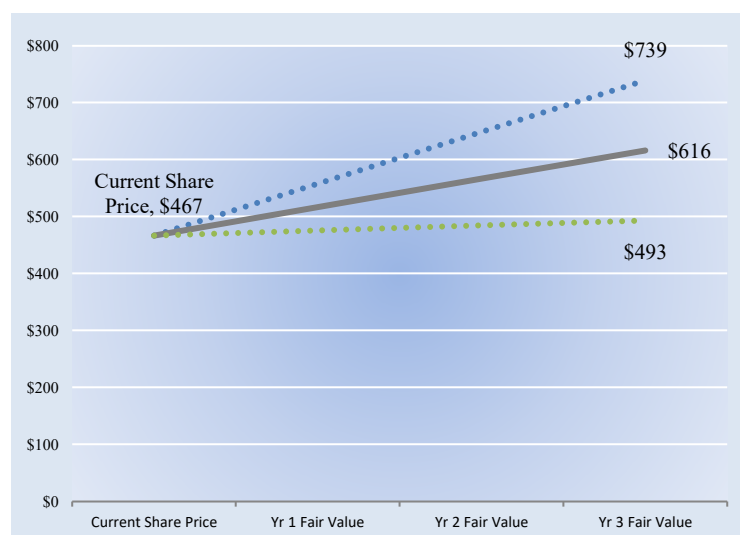
Upside and Downside Probabilities

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 \$496 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 \$616 per share in Year 3 represents our existing fair value per share of \$496 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

Economic Castle
Attractive

Estimated Fair Value
\$496.00

Fair Value Range
\$397.00 - \$595.00

Buying Index™ 6

Value Rating

Investment Style
MEGA-CAP BLEND

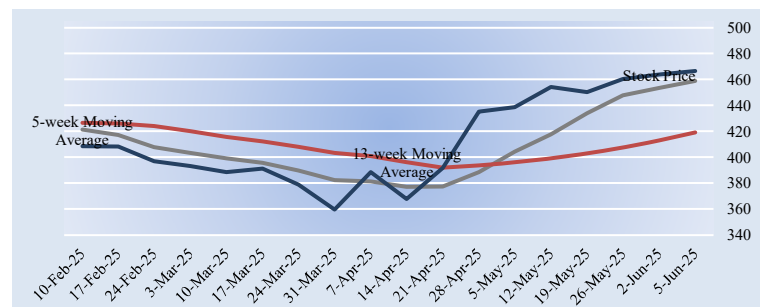
Sector
Information Technology

Industry
Technology Giants

Technical Analysis

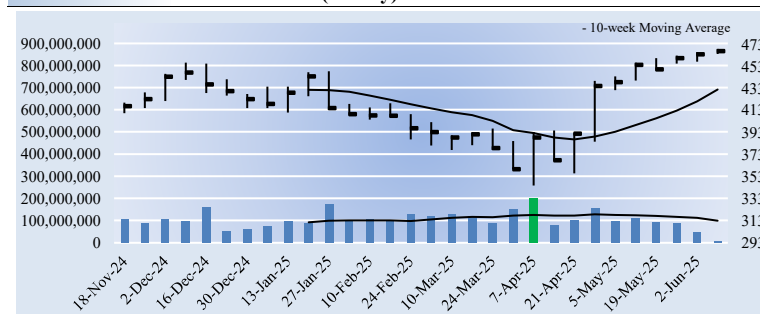
Technical Evaluation

BULLISH



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 BULLISH trend. We'd grow wary of the firm's technicals should its 5-week moving average drop below its 13-week moving average.

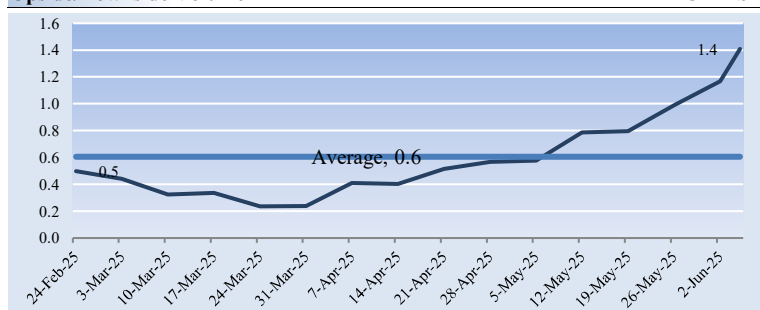
30-week Price and Volume Chart (weekly)



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 buying, or accumulation (green bar). Such market activity could indicate a reversal of a downtrend or further confirmation of the firm's uptrend.

Upside/Downside Volume

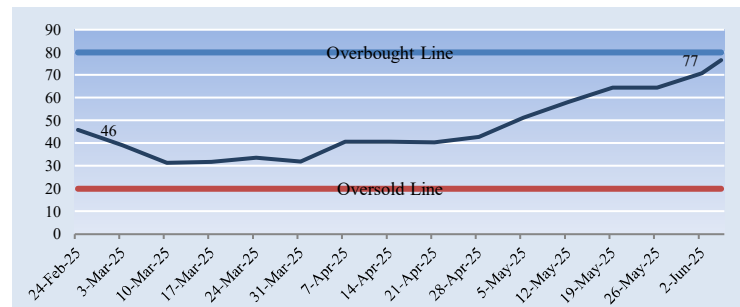
BULLISH



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 1.4 is not only greater than 1 but also is better than its trailing average, indicating BULLISH institutional interest during the past several weeks.

Money Flow Index (MFI)

NEUTRAL



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 77 is neutral, suggesting the firm's stock is neither overbought nor oversold at this time. However, a score over 50 tends to favor bulls. The MFI can also be used to gauge the strength or weakness of a firm's price trend. In Microsoft's case, its stock price and money flow neither reveals a bullish nor bearish divergence, further supporting our neutral view on its money flow action.

Relative Price Strength

STRONG

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 20.7%, while the market benchmark returned -4.1%. We think Microsoft's 13-week relative price performance is STRONG.

5-week Company Performance	4.7%
5-week Market Benchmark Performance	-7.2%
5-week Relative Performance vs. Market Benchmark	11.9%
13-week Company Performance	20.7%
13-week Market Benchmark Performance	-4.1%
13-week Relative Performance vs. Market Benchmark	24.8%
30-week Company Performance	12.5%
30-week Market Benchmark Performance	0.6%
30-week Relative Performance vs. Market Benchmark	11.9%

Timeliness Matrix™

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™****6****Value Rating****Economic Castle**
Attractive**Estimated Fair Value**
\$496.00**Fair Value Range**
\$397.00 - \$595.00**Investment Style**
MEGA-CAP BLEND**Sector**
Information Technology**Industry**
Technology Giants**Pro Forma Income Statement**

	----- Historical -----			----- Projected -----	
	Jun-22	Jun-23	Jun-24	Jun-25	Jun-26
In Millions of USD (except for per share items)					
Total Revenue	198,270	211,915	245,122	279,022	316,411
Cost of Goods Sold	62,650	65,711	74,114	85,888	98,407
Selling, General and Administrative Expenses	27,725	30,334	32,065	37,159	42,575
Other Operating Expenses	24,512	27,195	29,510	34,198	39,183
Operating Income	83,383	88,675	109,433	121,777	136,246
Unusual items	0	0	0	0	0
Operating Income, including unusual items	83,383	88,675	109,433	121,777	136,246
Interest Expense	(2,047)	(1,995)	(2,983)	(2,983)	(2,983)
Other Non-operating Income	2,380	2,631	1,337	3,157	3,157
Pre-tax Income	83,716	89,311	107,787	121,951	136,420
Income Taxes	10,978	16,950	19,651	21,951	24,556
Income after tax	72,738	72,361	88,136	100,000	111,865
Minority Interest and Equity Income	0	0	0	0	0
Net Income, excluding extra items	72,738	72,361	88,136	100,000	111,865
Income Available to Common, excluding extra items	72,738	72,361	88,136	100,000	111,865
Diluted Earnings per Share, excluding extra items	9.65	9.68	11.80	13.52	15.28
Diluted Weighted Shares Outstanding	7,540.0	7,472.0	7,469.0	7,394.3	7,320.4

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™****6****Value Rating**

Economic Castle Attractive	Estimated Fair Value \$496.00	Fair Value Range \$397.00 - \$595.00	Investment Style MEGA-CAP BLEND	Sector Information Technology	Industry Technology Giants
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Pro Forma Balance Sheet

	----- Historical -----			----- Projected -----	
In Millions of USD (except for per share items)	Jun-22	Jun-23	Jun-24	Jun-25	Jun-26
Assets					
Total Cash (including marketable securities)	104,749	111,256	75,531	92,292	119,283
Inventory	3,742	2,500	1,246	1,654	2,136
Accounts Receivable	50,361	57,888	67,424	76,249	85,899
Other Current Assets	10,832	12,613	15,533	15,533	15,533
Total Current Assets	169,684	184,257	159,734	185,728	222,851
Gross Fixed Assets	147,206	178,238	230,973	286,569	343,833
(Accumulated Depreciation)	(59,660)	(68,251)	(76,421)	(93,723)	(113,344)
Net Property, Plant, and Equipment	87,546	109,987	154,552	192,846	230,490
Goodwill, Net	67,524	67,886	119,220	119,220	119,220
Intangibles, Net	11,298	9,366	27,597	22,797	17,997
Other Long-term Assets	28,788	40,480	51,060	51,060	51,060
Total Assets	364,840	411,976	512,163	571,651	641,617
Liabilities					
Accounts Payable	19,000	18,095	21,996	25,565	29,243
Other Current Liabilities	73,333	80,807	94,348	95,675	97,409
Current Portion of Long-term Debt	2,749	5,247	8,942	8,942	8,942
Total Current Liabilities	95,082	104,149	125,286	130,182	135,594
Long-term Debt	47,032	41,990	42,688	42,688	42,688
Other Long-term Liabilities	56,184	59,614	75,712	75,712	75,712
Total Liabilities	198,298	205,753	243,686	248,582	253,994
Preferred Stock	0	0	0	0	0
Shareholders' Equity					
Common Stock and Additional Paid in Capital	86,939	93,718	100,923	100,923	100,923
Retained Earnings	84,281	118,848	173,144	248,595	333,239
Other Equity	(4,678)	(6,343)	(5,590)	(26,449)	(46,539)
Total Shareholders' Equity	166,542	206,223	268,477	323,069	387,623
Total Liabilities and Shareholders' Equity	364,840	411,976	512,163	571,651	641,617

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™****6****Value Rating****Economic Castle**
Attractive**Estimated Fair Value**
\$496.00**Fair Value Range**
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MEGA-CAP BLEND**Sector**
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Technology Giants**Pro Forma Cash Flow Statement**

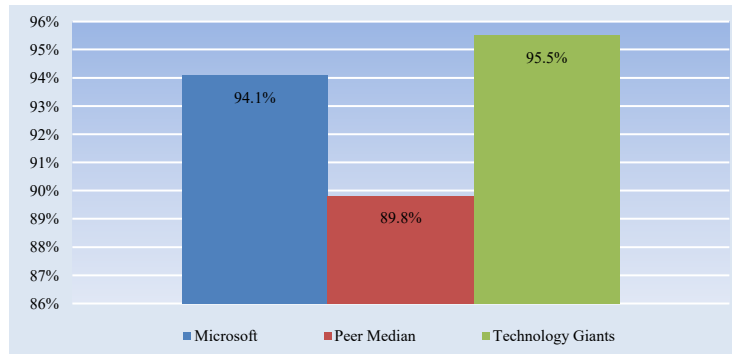
	----- Historical -----			----- Projected -----	
In Millions of USD (except for per share items)	Jun-22	Jun-23	Jun-24	Jun-25	Jun-26
Cash from Operations					
Net Income	72,738	72,361	88,136	100,000	111,865
Depreciation and Amortization	14,600	13,500	20,000	22,102	24,421
Deferred Income Taxes	0	0	0	0	0
Operating Gains Or Losses	1,697	1,721	10,412	14,000	14,420
Changes in Working Capital	0	0	0	(4,337)	(4,720)
Cash Flow from Operations	89,035	87,582	118,548	131,765	145,985
Cash from Investing					
Purchase of Property, Plant, Equipment	(23,886)	(28,107)	(44,477)	(55,596)	(57,264)
Other Investing Cash Flows	(6,425)	5,427	(52,493)	0	0
Cash Flow from Investing	(30,311)	(22,680)	(96,970)	(55,596)	(57,264)
Cash from Financing					
Issuance (Retirement) of Stock	(30,855)	(20,379)	(15,252)	(34,859)	(34,510)
Issuance (Retirement) of Debt	(9,023)	(2,750)	(29,070)	0	0
Dividends Paid	(18,135)	(19,800)	(21,771)	(24,549)	(27,220)
Other Financing Cash Flows	(863)	(1,006)	(1,309)	0	0
Cash Flow from Financing	(58,876)	(43,935)	(67,402)	(59,408)	(61,730)
Foreign Exchange	(141)	(194)	(210)	0	0
Net Change in Cash	(293)	20,773	(46,034)	16,761	26,991

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™****6****Value Rating****Economic Castle**
Attractive**Estimated Fair Value**
\$496.00**Fair Value Range**
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MEGA-CAP BLEND**Sector**
Information Technology**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.

Company Name	Ticker	Market Cap (USD-mil)	Investment Style	DCF Valuation	Relative Valuation	ValueCreation™	ValueRisk™	ValueTrend™	Technicals	Relative Strength
Adobe Systems	ADBE	168,574	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BEARISH	WEAK
Advanced Micro Devices	AMD	194,011	LARGE-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	POOR	MEDIUM	NEGATIVE	BULLISH	STRONG
Alibaba	BABA	318,725	MEGA-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	POSITIVE	BEARISH	STRONG
Alphabet	GOOG	2,022,560	MEGA-CAP BLEND	UNDervalued	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	WEAK
Amazon.com	AMZN	2,176,256	MEGA-CAP BLEND	FAIRLY VALUED	UNATTRACTIVE	GOOD	MEDIUM	POSITIVE	BULLISH	NEUTRAL
Analog Devices	ADI	97,611	LARGE-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	NEUTRAL
Ansys	ANSS	29,790	LARGE-CAP BLEND	FAIRLY VALUED	NEUTRAL	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	STRONG
Apple	AAPL	3,132,413	MEGA-CAP VALUE	FAIRLY VALUED	UNATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	WEAK
Applied Materials	AMAT	126,971	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	POSITIVE	VERY BULLISH	WEAK
Automatic Data Processing	ADP	121,972	LARGE-CAP CORE	FAIRLY VALUED	NEUTRAL	EXCELLENT	LOW	POSITIVE	BEARISH	NEUTRAL
Baidu	BIDU	30,237	LARGE-CAP VALUE	FAIRLY VALUED	NEUTRAL	GOOD	MEDIUM	NEGATIVE	BEARISH	WEAK
Booking Holdings	BKNG	177,557	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	BULLISH	STRONG
Broadcom	AVGO	916,850	MEGA-CAP BLEND	FAIRLY VALUED	NEUTRAL	EXCELLENT	MEDIUM	NEGATIVE	BEARISH	WEAK
Cisco	CSCO	242,209	MEGA-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	VERY BEARISH	STRONG
eBay	EBAY	33,509	LARGE-CAP CORE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	STRONG
Enphase Energy	ENPH	5,328	MID-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	WEAK
IBM	IBM	229,208	MEGA-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	VERY BEARISH	STRONG
Intel	INTC	103,833	LARGE-CAP CORE	FAIRLY VALUED	UNATTRACTIVE	POOR	VERY HIGH	POSITIVE	BULLISH	STRONG
KLA Corp	KLAC	92,322	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	WEAK
Korn/Ferry	KFY	3,389	MID-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	STRONG
Lam Research	LRCX	98,107	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	STRONG
Manpower	MAN	1,805	SMALL-CAP VALUE	UNDervalued	ATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	BEARISH	WEAK
Mastercard	MA	514,127	MEGA-CAP BLEND	FAIRLY VALUED	NEUTRAL	EXCELLENT	LOW	POSITIVE	VERY BULLISH	STRONG
Meta Platforms	META	1,701,099	MEGA-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	STRONG
Micron Technology	MU	95,411	LARGE-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	POOR	MEDIUM	NEGATIVE	BEARISH	WEAK
Microsoft	MSFT	3,451,035	MEGA-CAP BLEND	FAIRLY VALUED	UNATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BULLISH	STRONG
Nvidia	NVDA	2,840,058	MEGA-CAP BLEND	UNDervalued	ATTRACTIVE	EXCELLENT	MEDIUM	POSITIVE	BEARISH	WEAK
Oracle	ORCL	431,289	MEGA-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	WEAK
PayPal	PYPL	73,118	LARGE-CAP VALUE	UNDervalued	ATTRACTIVE	GOOD	LOW	POSITIVE	BULLISH	STRONG
QUALCOMM	QCOM	168,431	LARGE-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	BEARISH	NEUTRAL
Salesforce.com	CRM	273,475	MEGA-CAP VALUE	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	POSITIVE	NEUTRAL	WEAK
Taiwan Semiconductor	TSM	1,013,889	MEGA-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	BULLISH	STRONG
Texas Instruments	TXN	148,062	LARGE-CAP BLEND	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	MEDIUM	NEGATIVE	BEARISH	WEAK
Visa	V	814,480	MEGA-CAP GROWTH	FAIRLY VALUED	ATTRACTIVE	EXCELLENT	LOW	NEGATIVE	VERY BEARISH	NEUTRAL

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Valuentum's Full Page Stock Report

A DCF Valuation

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

B Valuentum Buying Index (VBI)

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

 Valuentum Value Rating (VVR)

Value-at-Risk Rating (VVR)
Indicates whether we think a firm is undervalued, fairly valued, or overvalued on the basis of our DCF process.



D 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.

E 30-week Price and Volume Action

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



G Company Vitals

Shows sector, industry and other relevant company information.

Normalized EPS and EBITDA

Estimation of the firm's normalized earnings measures and the corresponding valuation multiples.

 Returns Summary

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

M 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

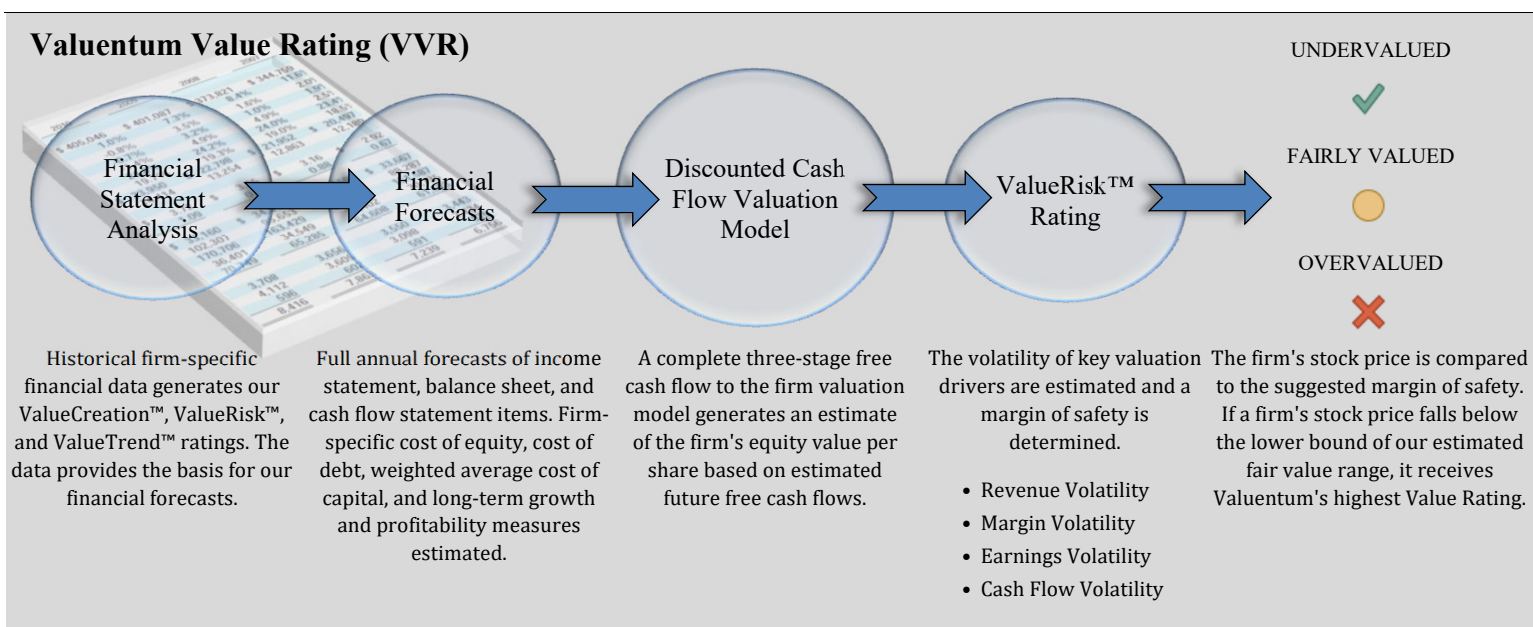
@Valuentum, we strive to stand out from the crowd. Most investment research publishers fall into a few camps, whether it be value, growth, income, momentum, chartist or some variant of the aforementioned. We think each in its own right holds merit, but we think the combination of these approaches can 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 ValueCreation™ and ValueRisk™ ratings provides a financial assessment of a company's business quality, while our ValueTrend™ 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 Index™ (VBI)

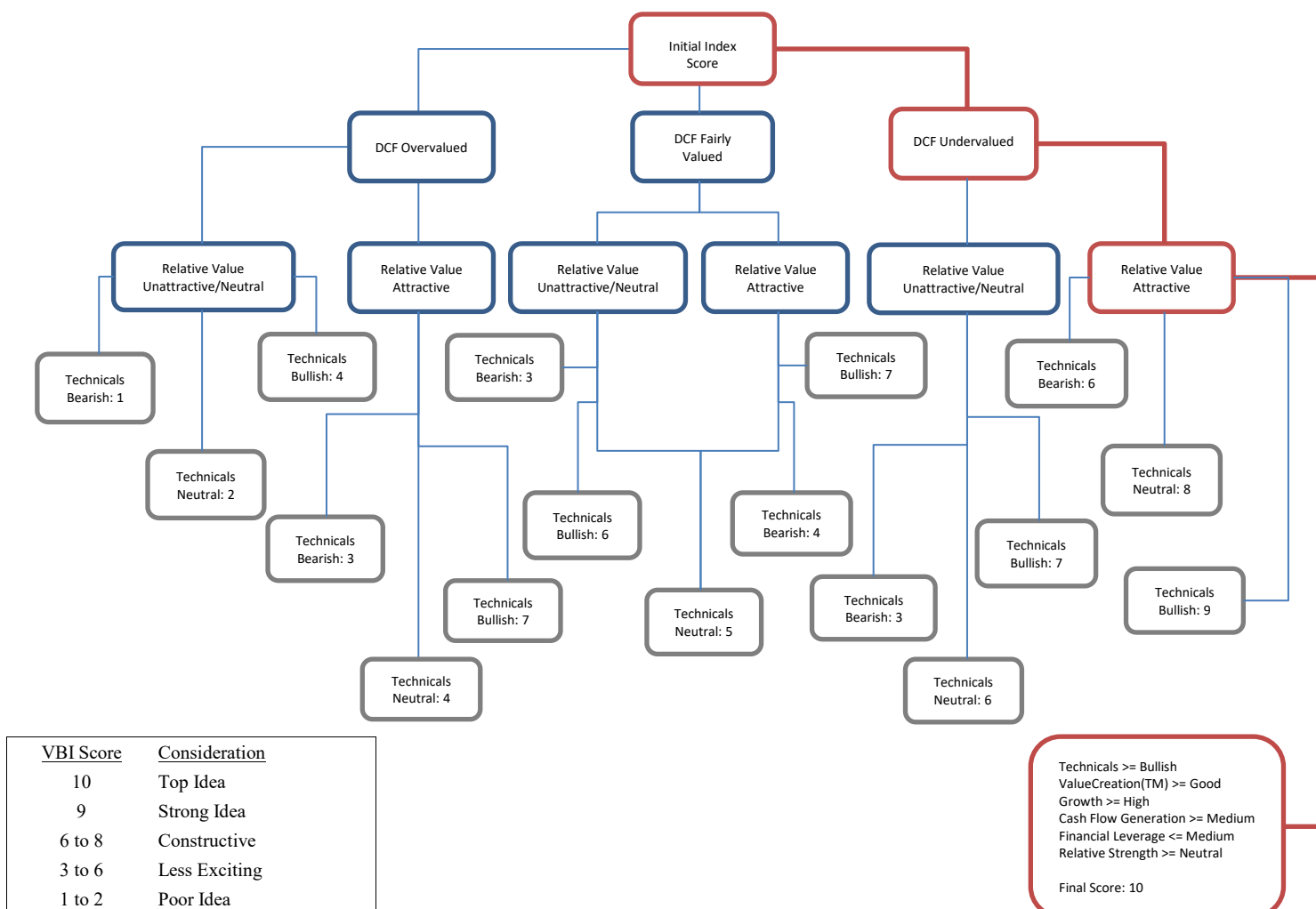
@ Valuentum, we like to look at companies from a number of different perspectives. The Valuentum Buying Index (VBI) combines rigorous financial and valuation analysis with an evaluation of a stock's technicals to derive a rating between 1 and 10 for each company. The VBI places considerable emphasis 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 ValueCreation™ 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 ValueRisk™ 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 performance 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.

MSFT Rating History	Price	Fair Value	VBI
5-Jun-25	\$466.72	\$496.00	6
5-Mar-25	\$398.23	\$438.00	3
9-Dec-24	\$445.81	\$445.00	6
18-Sep-24	\$430.75	\$422.00	6
10-Sep-24	\$409.90	\$420.00	3
18-Jun-24	\$448.21	\$452.00	6
27-Mar-24	\$419.96	\$422.00	6
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

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