

John Bean Technologies

4Q23 ops beat, but orders down y/y; Marel timing in focus

Reiterate Rating: UNDERPERFORM | PO: 85.00 USD | Price: 97.24 USD

Ops beat but revenue below; orders down y/y

JBT reported 4Q EPS that came above our estimate and consensus; however revenue came slightly below our estimate and consensus. The operational beat reflected the company's supply chain initiatives and improvements from restructuring. '24 revenue guide brackets our expectations and the Street, while EPS guide came in above our expectations and the Street. Backlog grew 2% y/y but was down sequentially. Orders were down (3)% y/y. The equipment side of the business had slightly negative growth in '23, partially due to weakness in North American poultry and the normalization of the pet food business. '24 guide assumes 2H improvements in the North American poultry market. While FCF in the quarter was good, we remain concerned about whether the improved FCF generation is sustainable given the history of lackluster FCF generation. The stock decline today (-5.4%) vs SPX +0.13% was likely a reflection of subdued top line organic growth outlook and the pushout of a potential Marel deal. We reiterate our Underperform rating.

Marel merger in focus; tender offer expected for 2Q24

On 1/19 JBT announced its intention to launch a voluntary takeover of Marel and merge the two companies. JBT announced it intends to launch the tender offer in 2Q24. The delay in the tender offer is a result of the regulatory requirements for the US and Iceland, specifically with the SEC the workstreams require more time. This proposal is for all of the issued and outstanding shares in Marel at an offer price of EUR 3.60/share (35% cash/ 65% stock), representing an enterprise value of approximately $\mathbf{<}3.5$ billion. This offer represents a 14x multiple on 2024E consensus. JBT's first proposal was on 11/24/23 for a non-binding takeover proposal at EUR 3.15/share at (25% cash / 75% stock). The first proposal was rejected on 11/28/23. On 12/13/23 JBT raised its bid to EUR 3.40/share with up to 50% cash/50% stock mix.

4Q adjusted EPS of \$1.40 beats our estimates of \$1.34

Adj. EPS of \$1.40 came above our estimate of \$1.34 and consensus of \$1.36. Operating profit was \$0.13/sh beat versus our estimate, driven 120bps better margins. Interest expense was a \$0.03 tailwind and higher tax rate was a \$0.11 headwind.

Raising 2024 Adj. EPS to \$5.12, in line with guide

We raise our 2024 adjusted EPS to \$5.12, in line with guidance of \$5.05 - \$5.45.

| Estimates (Dec) (US\$) | 2022A | 2023A | 2024E | 2025E | 2026E |
|--|-------|--------|-------|-------|-------|
| EPS | 4.79 | 4.10 | 5.12 | 5.31 | 5.80 |
| GAAP EPS | 4.10 | 4.25 | 4.86 | 5.07 | 5.59 |
| EPS Change (YoY) | 25.1% | -14.4% | 24.9% | 3.7% | 9.2% |
| Consensus EPS (Bloomberg) | | | 4.85 | 5.95 | NA |
| DPS | 0.41 | 0.40 | 0.40 | 0.40 | 0.40 |
| Valuation (Dec) | | | | | |
| P/E | 20.3x | 23.7x | 19.0x | 18.3x | 16.8x |
| GAAP P/E | 23.7x | 22.9x | 20.0x | 19.2x | 17.4x |
| Dividend Yield | 0.4% | 0.4% | 0.4% | 0.4% | 0.4% |
| EV / EBITDA* | 11.4x | 11.7x | 10.6x | 10.6x | 9.9x |
| Free Cash Flow Yield* | 1.8% | 0.6% | 5.2% | 5.4% | 5.9% |
| * For full definitions of <i>IQ</i> method SM measures, see page 6. | | | | | |

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Refer to important disclosures on page 7 to 9. Analyst Certification on page 5. Price
Objective Basis/Risk on page 5.

Timestamp: 21 February 2024 06:52PM EST

21 February 2024

Equity

| Key Changes | | |
|---------------|----------|---------|
| (US\$) | Previous | Current |
| 2024E Rev (m) | 1,775.4 | 1,759.0 |
| 2025E Rev (m) | 1,882.0 | 1,864.5 |
| 2026E Rev (m) | 1,976.1 | 1,957.7 |
| 2024E EPS | 4.63 | 5.12 |
| 2025E EPS | 5.34 | 5.31 |
| 2026E EPS | 5.82 | 5.80 |

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Stock Data

| Price | 97.24 USD |
|-----------------------------|------------------------|
| Price Objective | 85.00 USD |
| Date Established | 11-Oct-2022 |
| Investment Opinion | B-3-7 |
| 52-Week Range | 89.96 USD - 125.88 USD |
| Mrkt Val (mn) / Shares Out | 3,096 USD / 31.8 |
| (mn) | |
| Free Float | 98.8% |
| Average Daily Value (mn) | 19.32 USD |
| BofA Ticker / Exchange | JBT / NYS |
| Bloomberg / Reuters | JBT US / JBT.N |
| ROE (2024E) | 10.5% |
| Net Dbt to Eqty (Dec-2023A) | 11.0% |
| ESGMeter™ | Medium |

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to "BofA ESGMeter Methodology".

iQprofile[™] John Bean Technologies

| <i>iQ</i> method SM − Bus Performance* | | | | | |
|---|-------|-------|-------|-------|-------|
| (US\$ Millions) | 2022A | 2023A | 2024E | 2025E | 2026E |
| Return on Capital Employed | 9.3% | 6.7% | 7.6% | 7.8% | 8.7% |
| Return on Equity | 19.1% | 11.2% | 10.5% | 9.9% | 9.9% |
| Operating Margin | 9.2% | 10.9% | 11.9% | 11.4% | 11.9% |
| Free Cash Flow | 55 | 19 | 161 | 167 | 183 |
| | | | | | |
| iQmethod SM − Quality of Earnings* | | | | | |

| (US\$ Millions) | 2022A | 2023A | 2024E | 2025E | 2026E |
|--------------------------|--------|-------|-------|-------|--------|
| Cash Realization Ratio | 0.9x | 0.6x | 1.3x | 1.3x | 1.3x |
| Asset Replacement Ratio | 4.8x | 0.6x | 0.6x | 0.6x | 0.6x |
| Tax Rate | 17.0% | 22.8% | 22.5% | 22.5% | 22.5% |
| Net Debt-to-Equity Ratio | 104.9% | 11.0% | 0.9% | -7.7% | -15.6% |
| Interest Cover | 14.0x | 16.7x | NA | NA | NA |

Income Statement Data (Dec)

| (US\$ Millions) | 2022A | 2023A | 2024E | 2025E | 2026E |
|-----------------------------|-------|--------|-------|-------|-------|
| Sales | 2,166 | 1,664 | 1,759 | 1,865 | 1,958 |
| % Change | 15.9% | -23.2% | 5.7% | 6.0% | 5.0% |
| Gross Profit | 617 | 583 | 622 | 663 | 698 |
| % Change | 8.9% | -5.6% | 6.7% | 6.6% | 5.3% |
| EBITDA | 281 | 273 | 300 | 303 | 324 |
| % Change | 11.4% | -2.6% | 9.9% | 0.9% | 7.0% |
| Net Interest & Other Income | (14) | (11) | 4 | 10 | 11 |
| Net Income (Adjusted) | 154 | 132 | 165 | 171 | 188 |
| % Change | 25.1% | -14.4% | 25.0% | 4.2% | 9.7% |

Free Cash Flow Data (Dec)

| (US\$ Millions) | 2022A | 2023A | 2024E | 2025E | 2026E |
|--|--------|--------|--------|-------|-------|
| Net Income from Cont Operations (GAAP) | 154 | 131 | 165 | 171 | 188 |
| Depreciation & Amortization | 18 | 91 | 91 | 91 | 91 |
| Change in Working Capital | (73) | (145) | (42) | (43) | (44) |
| Deferred Taxation Charge | (26) | 0 | 0 | 0 | 0 |
| Other Adjustments, Net | 69 | (4) | 4 | 6 | 7 |
| Capital Expenditure | (88) | (55) | (56) | (58) | (59) |
| Free Cash Flow | 55 | 19 | 161 | 167 | 183 |
| % Change | -68.1% | -65.1% | 745.4% | 3.3% | 10.0% |
| Share / Issue Repurchase | 0 | 0 | 0 | 0 | 0 |
| Cost of Dividends Paid | (13) | (13) | (13) | (13) | (13) |
| Change in Debt | 293 | (335) | (292) | 0 | (393) |

Balance Sheet Data (Dec)

| (US\$ Millions) | 2022A | 2023A | 2024E | 2025E | 2026E |
|-------------------------------|-------|-------|-------|-------|-------|
| Cash & Equivalents | 73 | 483 | 378 | 532 | 310 |
| Trade Receivables | 389 | 289 | 310 | 334 | 356 |
| Other Current Assets | 408 | 328 | 359 | 391 | 422 |
| Property, Plant & Equipment | 270 | 248 | 263 | 279 | 295 |
| Other Non-Current Assets | 1,445 | 1,362 | 1,312 | 1,263 | 1,215 |
| Total Assets | 2,584 | 2,710 | 2,623 | 2,800 | 2,598 |
| Short-Term Debt | 1 | 0 | 0 | 0 | 0 |
| Other Current Liabilities | 621 | 484 | 500 | 517 | 531 |
| Long-Term Debt | 977 | 646 | 393 | 393 | 0 |
| Other Non-Current Liabilities | 123 | 91 | 86 | 81 | 76 |
| Total Liabilities | 1,721 | 1,222 | 978 | 991 | 607 |
| Total Equity | 863 | 1,489 | 1,645 | 1,809 | 1,992 |
| Total Equity & Liabilities | 2,584 | 2,710 | 2,623 | 2,800 | 2,598 |

^{*} For full definitions of \emph{IQ} method $^{\text{SM}}$ measures, see page 6.

Company Sector

Industrials/Multi-Industry

Company Description

John Bean Technologies Corporation (JBT) is a leading provider of food processing equipment with a focus on proteins, liquid foods and automated system solutions. JBT designs, produces and services its products and systems for multi-national and regional customers through its JBT FoodTech segment. JBT also sells equipment and services to domestic and international air transportation customers through its JBT AeroTech segment.

Investment Rationale

Although JBT has posted above-average revenue & EPS growth, the company has below-average margins relative to peers and trades at a premium. We believe that end market fundamentals and execution remain healthy, but JBT's multiple is likely peaking and we see better value elsewhere in our coverage.

Stock Data

Average Daily Volume 198,647

Quarterly Earnings Estimates

| | 2023 | 2024 |
|----|-------|-------|
| Q1 | 0.61A | 0.78E |
| Q2 | 0.97A | 1.24E |
| Q3 | 1.11A | 1.34E |
| Q4 | 1.40A | 1.76E |



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Exhibit 1: 4Q23 earnings variance analysis

JBT 4Q23 adjusted EPS of \$1.40 came in above our \$1.34 estimate

| | Actual | Reported | | BofA Estimate | | Variat | ion Versus Bo | fA Est. |
|---|------------------|--------------|----------------|------------------|---------------|---------------|-----------------------|-------------|
| (in US\$ mn, except per share data) | 4Q:22A | 4Q:23A | YOY % Chg. | 4Q:23E | YOY % Chg. | Dollar | Percentage | EPS |
| Segment Sales | | - | | - | | | | |
| FoodTech | 441 | 445 | 1% | 446 | 1% | (1) | 0% | |
| AeroTech | 158 | = | -100% | - | -100% | - | N/A | |
| Intercompany eliminations | (0) | = | NM | Ξ | NM | | | |
| Total | 599 | 445 | -26% | 446 | -26% | (1) | 0% | |
| Operating Profit | | | | | | | | |
| FoodTech | 67 | 59 | -12% | 54 | -20% | 5 | 10% | \$ 0.13 |
| AeroTech | 15 | = | -100% | - | -100% | - | N/A | \$ - |
| Corporate | (19) | Ξ | -100% | Ξ | -100% | Ξ | N/A | \$ <u>-</u> |
| Total | 63 | 59 | -6% | 54 | -14% | 5 | 10% | \$ 0.13 |
| Operating Margin | | | | | | | | · |
| FoodTech | 15.3% | 13.3% | (200 bp) | 12.0% | (320 bp) | 120 bp | = | |
| AeroTech | 9.6% | N/A | N/A | N/A | N/A | N/A | Ξ | |
| Total | 10.5% | 13.3% | 280 bp | 12.0% | 160 bp | 120 bp | - | |
| Net Sales | F00 | | 350/ | 446 | 250/ | (1) | 00/ | |
| | 599 | 445 | -26% | 446 | -26% | (1) | 0% | |
| COGS | <u>432</u> | <u>284</u> | -34% | <u>287</u> | <u>-34%</u> | <u>(3)</u> | <u>-1%</u> | |
| Gross Profit | 167 | 161 | -4% | 159 | -5% | 2 | 1% | \$ 0.05 |
| SG&A | 103 | 102 | -1% | 105 | 2% | (3) | -3% | \$ 0.08 |
| Other expense | Ξ. | = | NM | <u>-</u> | NM | Ē | N/M | <u>\$ -</u> |
| Operating Income | 64 | 59 | -7% | 54 | -16% | 5 | 10% | \$ 0.13 |
| Pension expense, other than service cost | (0) | 0 | NM | 0 | NM | (0) | | \$ 0.00 |
| Interest Expense, net | <u>6</u> | <u>(4)</u> | NM | <u>(3)</u> | <u>NM</u> | <u>(1)</u> | 44% | \$ 0.03 |
| EBT | 58 | 63 | 8% | 56 | -3% | 7 | 12% | \$ 0.16 |
| Taxes | 10 | 18 | 77% | 13 | 27% | 5 | 39% | |
| Tax Rate | <u>17.1%</u> | <u>28.0%</u> | <u>1090 bp</u> | 22.5% | <u>540 bp</u> | <u>550 bp</u> | | \$ (0.11) |
| Net Income (Continuing Operations) | 48 | 45 | -6% | 43 | -10% | . 2 | 4% | \$ 0.05 |
| FULLY DILUTED EPS | \$1.49 | \$1.40 | -6% | \$1.34 | -10% | \$0.06 | 4% | |
| Diluted Shares Outstanding | 32 | 32 | 0% | 32 | 1% | (0) | -1% | \$ 0.01 |
| Margin Analysis | Actual 4Q:22A | | orted 2:23A | кер 4Q:23A | oorted | BofA Est. | tion (b.p.) 4Q:22A | _ |
| COGS | 72.2% | | 3.8% | | 4.3% | (50 bp) | (830 bp) | |
| | 27.8% | | 5.2% | | 4.3% 5.7% | | , , , | |
| Gross Margin SG&A | 27.8% 17.2% | | | | | 50 bp | 830 bp | |
| | | | 2.9% | | 3.6% | (70 bp) | 570 bp | |
| Operating Margin | 10.6% | | 3.3% | | 2.0% | 120 bp | 260 bp | |
| EBT Margin | 9.6% | | 4.1% | | 2.5% | 150 bp | 440 bp | |
| Net Margin | 7.6% | | 2.5% | | 2.1% | 40 bp | 480 bp | |
| Incremental Margin | 25.4% | 3 | .0% | 6 | 5.6% | (350 bp) | (2240 bp) | |
| Source: BofA Global Research estimates, Company report | | | | | | | | |

Valuation

We base our \$85 price objective on an 9x EV/EBITDA multiple of our 2025 estimates. Our 9x target multiple is below the peer average trading at 16x on 2024 estimates. We argue a discounted valuation is warranted given JBT's below-peer EBITDA margins and below-peer cash conversion.

Exhibit 2: JBT comparable valuation analysis

We base our \$85 PO on 9x EV/EBITDA of 2025E

| | | Stock Price | P/E | | EV/EI | BITDA | EBITDA | margin | EPS G | rowth |
|-------------|--------|-------------|--------|--------|--------|--------|--------|--------|--------|-------|
| Company | Ticker | 2/21/2024 | 2024E | 2025E | 2024E | 2025E | 2024E | 2025E | 2024E | 2024E |
| Graco* | GGG | \$88.01 | 28.0 x | 26.3 x | 19.0 x | 17.7 x | 33.4% | 33.9% | 3.5% | 6.8% |
| Idex* | IEX | \$230.35 | 27.5 x | 25.6 x | 19.1 x | 17.2 x | 27.7% | 28.7% | 2.5% | 7.6% |
| Littelfuse* | LFUS | \$244.93 | 25.8 x | 19.9 x | 14.1 x | 12.3 x | 20.3% | 22.5% | -19.1% | 29.6% |
| Middleby* | MIDD | \$148.31 | 14.4 x | 13.2 x | 10.4 x | 9.4 x | 22.8% | 23.4% | 8.4% | 9.4% |
| Nordson* | NDSN | \$264.11 | 25.8 x | 23.9 x | 18.6 x | 18.5 x | 31.1% | 29.2% | 12.1% | 7.9% |



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Exhibit 2: JBT comparable valuation analysis We base our \$85 PO on 9x EV/EBITDA of 2025E

| | | Stock Price | P | /E | EV/E | BITDA | EBITDA | margin | EPS G | rowth |
|-----------------------------------|-----|-------------|--------|--------|--------|--------|--------|--------|-------|-------|
| AVERAGE | | | 24.3 x | 21.8 x | 16.2 x | 15.0 x | 27.1% | 27.5% | 1.5% | 12.2% |
| | | | | | | | | | | |
| John Bean Technologies Corp | JBT | \$102.77 | 22.2 x | 19.3 x | 11.9 x | 11.1 x | 17.1% | 16.2% | 18.7% | 15.4% |
| John Bean Technologies Corp at PO | JBT | \$85.00 | 18.4 x | 15.9 x | 9.9 x | 9.2 x | | | | |

Source: BofA Global Research estimates, Bloomberg *Bloomberg consensus estimates

BofA GLOBAL RESEARCH



Price objective basis & risk

John Bean Technologies (JBT)

We base our \$85 price objective on an 9x EV/EBITDA multiple of our 2025 estimates. Our 9x target multiple is below the peer average trading at 16x on 2024 estimates. We argue a discounted valuation is warranted given JBT's below-peer EBITDA margins and below-peer cash conversion.

Upside risks to our PO are: 1) better than expected execution on restructuring/facility consolidation, 2) lower input cost inflation, and 3) faster pace of accretive M&A. Downside risks to our PO are: 1) valuation already implies future M&A, 2) ability to source accretive acquisitions, 3) execution risk in restructuring/facility consolidation, 4) input cost inflation, 5) rising low-cost competition, and 6) failure for AeroTech sale to complete.

Analyst Certification

I, Andrew Obin, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

US - Multi-Industrials/Engineering and Construction Coverage Cluster

| Investment rating | Company | BofA Ticker | Bloomberg symbol | Analyst |
|-------------------|------------------------------------|-------------|------------------|------------------------|
| BUY | | | | |
| | APi Group | APG | APG US | Andrew Obin |
| | AspenTech | AZPN | AZPN US | Andrew Obin |
| | Atmus Filtration | ATMU | ATMU US | Andrew Obin |
| | Dover Corp | DOV | DOV US | Andrew Obin |
| | Eaton Corp PLC | ETN | ETN US | Andrew Obin |
| | Emerson Electric Co | EMR | EMR US | Andrew Obin |
| | Flowserve | FLS | FLS US | Andrew Obin |
| | General Electric Company | GE | GE US | Andrew Obin |
| | Honeywell International Inc. | HON | HON US | Andrew Obin |
| | ITT Inc. | ITT | ITT US | Andrew Obin |
| | Montrose Environmental Group, Inc. | MEG | MEG US | Andrew Obin |
| | Parker Hannifin Corporation | PH | PH US | Andrew Obin |
| | PTC Inc. | PTC | PTC US | Andrew Obin |
| | Rush | RUSHA | RUSHA US | Andrew Obin |
| | Vertiv | VRT | VRT US | Andrew Obin |
| | Vontier | VNT | VNT US | Andrew Obin |
| NEUTRAL | | | | |
| | 3M Company | MMM | MMM US | Andrew Obin |
| | AMETEK Inc | AME | AME US | Andrew Obin |
| | Fortive Corporation | FTV | FTV US | Andrew Obin |
| | Johnson Controls International PLC | JCI | JCI US | Andrew Obin |
| | Pentair plc | PNR | PNR US | Andrew Obin |
| | Rockwell | ROK | ROK US | Andrew Obin |
| | Trane Technologies PLC | П | TT US | Andrew Obin |
| UNDERPERFORM | Ü | | | |
| | Allegion | ALLE | ALLE US | Andrew Obin |
| | Carrier Global Corp. | CARR | CARR US | Andrew Obin |
| | Core & Main | CNM | CNM US | Andrew Obin |
| | Illinois Tool Works | ITW | ITW US | Andrew Obin |
| | John Bean Technologies | JBT | JBT US | Andrew Obin |
| | Keysight | KEYS | KEYS US | David Ridley-Lane, CFA |
| | | | | |
| | | | | |
| | | | | |



*IQ*method[™] Measures Definitions

| Business Performance | Numerator | Denominator |
|-----------------------------|--|---|
| Return On Capital Employed | NOPAT = (EBIT + Interest Income) \times (1 $-$ Tax Rate) + Goodwill Amortization | |
| Datum On Fauitu | Net Income | Amortization |
| Return On Equity | | Shareholders' Equity |
| Operating Margin | Operating Profit | Sales |
| Earnings Growth | Expected 5 Year CAGR From Latest Actual | N/A |
| Free Cash Flow | Cash Flow From Operations – Total Capex | N/A |
| Quality of Earnings | Numerator | Denominator |
| Cash Realization Ratio | Cash Flow From Operations | Net Income |
| Asset Replacement Ratio | Capex | Depreciation |
| Tax Rate | Tax Charge | Pre-Tax Income |
| Net Debt-To-Equity Ratio | Net Debt = Total Debt — Cash & Equivalents | Total Equity |
| Interest Cover | EBIT | Interest Expense |
| | | ' |
| Valuation Toolkit | Numerator | Denominator |
| Price / Earnings Ratio | Current Share Price | Diluted Earnings Per Share (Basis As Specified) |
| Price / Book Value | Current Share Price | Shareholders' Equity / Current Basic Shares |
| Dividend Yield | Annualised Declared Cash Dividend | Current Share Price |
| Free Cash Flow Yield | Cash Flow From Operations – Total Capex | Market Cap = Current Share Price × Current Basic Shares |
| Enterprise Value / Sales | EV = Current Share Price × Current Shares + Minority Equity + Net Debt + | Sales |
| z.r.c.p.ise raide / saies | Other LT Liabilities | 54.65 |

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

Menethod 3*is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

Redatabase is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.

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Disclosures

Important Disclosures

John Bean Tech (JBT) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

Equity Investment Rating Distribution: Industrials/Multi-Industry Group (as of 31 Dec 2023)

| Coverage Universe | Count | Percent | Inv. Banking Relationships R1 | Count | Percent |
|-------------------|-------|---------|-------------------------------|-------|---------|
| Buy | 45 | 50.56% | Buy | 25 | 55.56% |
| Hold | 26 | 29.21% | Hold | 13 | 50.00% |
| Sell | 18 | 20.22% | Sell | 7 | 38.89% |

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

| Coverage Universe | Count | Percent | Inv. Banking Relationships R1 | Count | Percent |
|-------------------|-------|---------|-------------------------------|-------|---------|
| Buy | 1895 | 53.62% | Buy | 1083 | 57.15% |
| Hold | 832 | 23.54% | Hold | 454 | 54.57% |
| Sell | 807 | 22.84% | Sell | 383 | 47.46% |

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster^{R2}

| Buy | ≥ 10% | ≤ /0% |
|--------------|-------|-------|
| Neutral | ≥ 0% | ≤ 30% |
| Underperform | N/A | ≥ 20% |

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