

Alpha Architect Quarterly Commentary

Q1 2025

Summary

- U.S. stocks enter a correction this quarter, halting last year's momentum
- International stocks outperformed U.S. stocks QTD
- QTD, IMOM led among our ETFs, gaining 6.25%/5.83% (Mkt./NAV).
- We're on track to launch the Alpha Architect U.S. Equity ETF (AAUS) via a 351 Exchange in summer 2025.

Contents

Standardized returns	2
General market recap	3
Factor recap	5
Quantitative Value QVAL IVAL	6
Quantitative Momentum QMOM IMOM	17
Global Factor Equity (AAVM)	28
Diversifiers HIDE	30
Diversifiers CAOS	33
Alpha Architect Core	36
Team biographies and contact info.	43

Standardized Returns

Through 3/31/2025

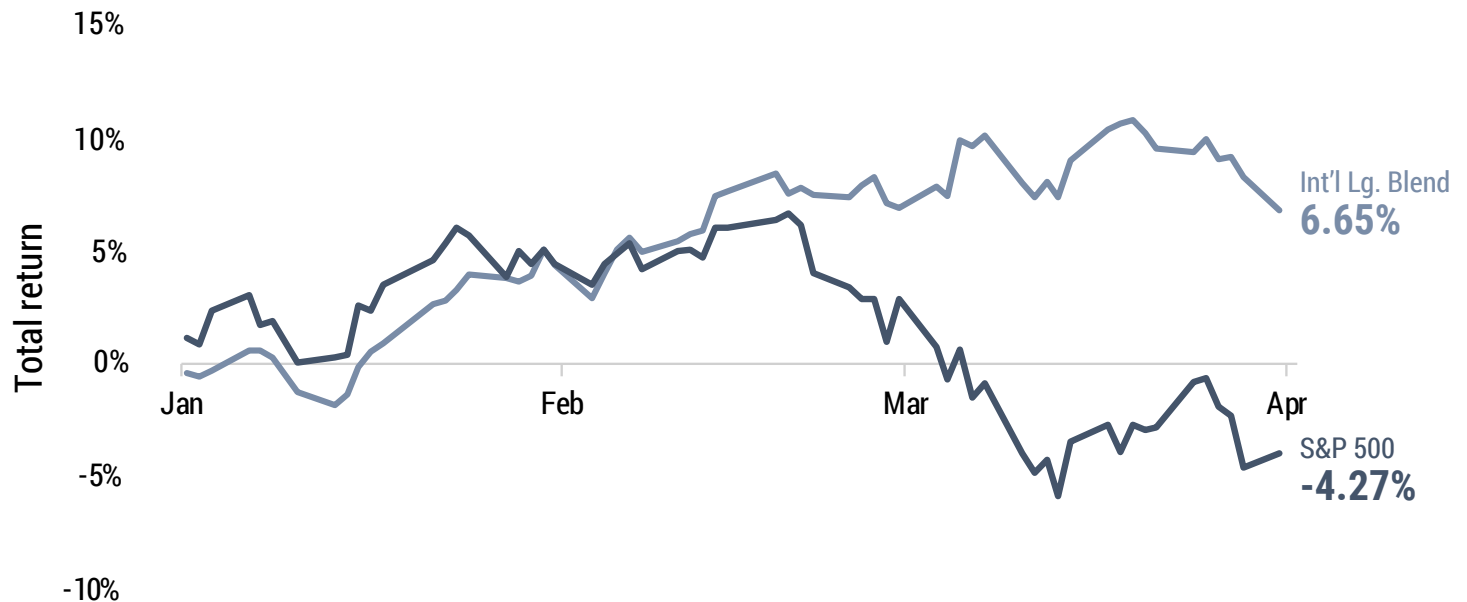
Name	Ticker	Incept.	NAV/Mkt.	1 Yr	5 Yr.	10 Yr.	Since incept.	Exp. Ratio Gross/Net
U.S. Quant. Value	QVAL	10/21/14	NAV	-3.45%	20.83%	6.26%	7.23%	0.29%
			MKT	-3.49%	20.83%	6.23%	7.22%	0.29%
Int'l Quant. Value	IVAL	12/16/14	NAV	-2.56%	8.61%	2.96%	3.49%	0.39%
			MKT	-2.30%	8.91%	3.03%	3.32%	0.39%
U.S. Quant. Mmtm.	QMOM	12/1/15	NAV	1.96%	18.83%	--	10.43%	0.29%
			MKT	1.87%	18.93%	--	11.08%	0.29%
Int'l Quant. Mmtm.	IMOM	12/22/15	NAV	0.63%	9.44%	--	3.38%	0.39%
			MKT	1.06%	9.58%	--	3.41%	0.39%
Global Factor Eq.	AAVM	5/3/17	NAV	-2.41%	5.46%	--	1.42%	0.41%
			MKT	-2.15%	5.53%	--	1.42%	0.41% ¹
Tail Risk	CAOS	8/14/13	NAV	4.42%	0.10%	3.19%	3.57%	0.70%
			MKT	4.33%	0.09%	3.19%	3.56%	0.63% ²
High Infl. & Defl.	HIDE	11/16/22	NAV	1.35%	--	--	1.59%	0.31%
			MKT	1.36%	--	--	1.75%	0.29% ³
1-3 Mo. Box	Cboe: BOXX	12/1/15	NAV	5.04%	--	--	5.07%	0.2449%
			MKT	5.01%	--	--	5.06%	0.1949% ⁴
Aggregate Bond	BOXA	12/22/15	NAV	--	--	--	2.15%	0.1949%
			MKT	--	--	--	2.17%	0.1949%

The performance data quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investor's shares, when sold or redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the performance quoted. For performance data current to the most recent month end, please call (215) 882-9983 or visit www.alphaarchitect.com/funds. Source: YCharts, Alpha Architect. Investing involves risk, including the loss of principal. Past performance does not guarantee future results. Returns are annualized total returns, except for those periods of less than one year, which are cumulative. Market price returns are based upon the closing composite market price and do not represent the returns you would receive if you traded shares at other times. A fund's NAV is the sum of all assets less any liabilities, divided by the number of shares outstanding.

1Effective January 31, 2025, the Fund's management fee is 0.45%, provided that the Fund's management fee applies on the daily average net assets of the that are not invested in QVAL, IVAL, QMOM, or IMOM, subject to a minimum management fee of 0.05%. 2The Adviser has contractually agreed to waive receipt of its management fees to the extent necessary to offset any acquired fund fees and expenses relating to the Fund's investment in the Alpha Architect 1-3 Month Box ETF. Any AFEE associated with Fund investments in any other acquired funds are not included in the fee waiver. In its sole discretion, the Fund's Board of Trustees may terminate this Waiver Agreement only by a majority vote of the "non-interested" trustees of the Trust (as defined in the 1940 Act) 3The Adviser has contractually agreed to waive all or a portion of its management fee until at least November 15, 2025, from exceeding 0.29% of its daily net assets. 4The Adviser has contractually agreed to waive receipt of its management fees and/or assume expenses of the Fund so that the total annual operating expenses of the Fund do not exceed 0.1949% of the Fund's average daily net assets. This agreement will remain in place until January 31, 2026 and may only be terminated by the Board of Trustees. The Alpha Architect 1-3 Month Box ETF (Ticker: Cboe:BOXX) is not affiliated with, associated with, sponsored by, or endorsed by IHS Markit Ltd. or S&P Global Inc. or any of their products or services, including their iBoxx™ bond indices.

Market Recap

Not a “Tariff-ic” start to 2025 for U.S. stocks



Source: YCharts. 1/1/2025 – 3/31/2025. Daily returns. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. See S&P 500 and Foreign Large Stocks definitions. See note on category average methodology.

After back-to-back >20% years, it looked like the good times would keep rollin' in 2025 – and welcome international stocks to the party (finally).

Alas, we can't always have nice things.

Volatility picked up in mid-February, sending US stocks into correction¹ territory. Generally, an index has entered a correction when levels fall approximately -10% from the previous high.

This last quarter is a good reminder that market prices can change based on how the market *thinks* new information *could* impact company profitability. In other words, it's mostly “informed speculation,” especially when there are major events creating volatility.

Corrections do not mean something is broken. On the contrary, they are a normal part of investing and a healthy reminder that volatility should be expected when investing in stocks. Like a “healthy fire,” corrections can help reset valuations and create opportunities that were otherwise obscured.

Our Takeaway

Maintain Perspective

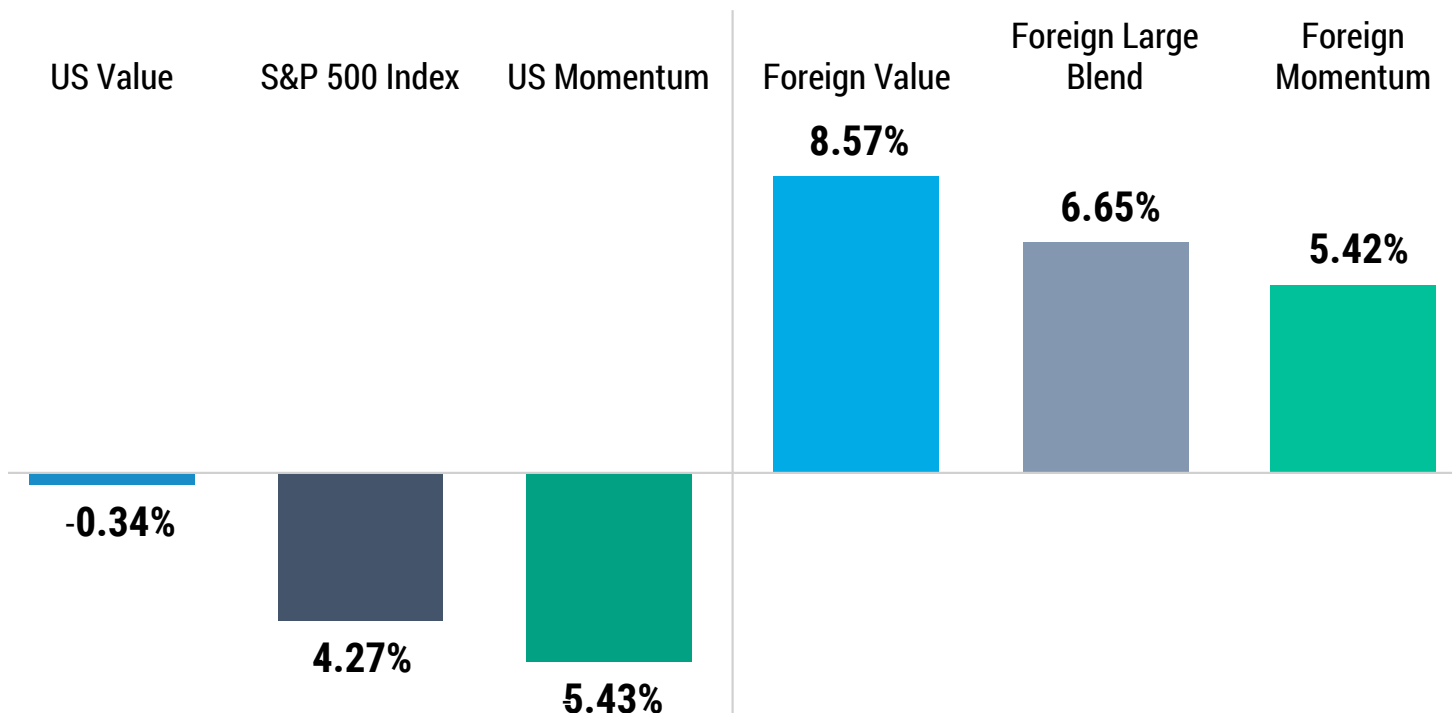
While we know there's a lot of noise in the market right now, think of this time as a good "behavioral" measuring stick:

1. **If you're feeling stressed** because your portfolio generally moved with the S&P 500, you may want to diversify by adding things with lower correlation.
2. **If you feel like you missed out** ("FOMO") because you didn't get as much of the international move as you'd have liked, consider rebalancing your portfolio's weighting between US and International. We suggest approximately 65% U.S. and 35% International.
3. **If you see this quarter as an opportunity**, congratulations, you're probably an Alpha Architect investor. While we don't know how long it will take for things to calm down, we will continue to execute our disciplined, systematic approach to value and momentum.



Factor Analysis

What kind of market are we in?



Source: YCharts. 1/1/2025 – 3/31/2025. Daily returns. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. See definitions for S&P 500, US and Foreign Value, US and Foreign Momentum, and Foreign Large Blend.

U.S. [Value](#) | [Market](#) | [Momentum](#)

2024 was undoubtedly a “momentum” market, and it looked like that trend was going to continue in 2025 until mid-February.

Generally, momentum strategies thrive in persistent, directional markets, not whiplash days where yesterday’s losers suddenly rip.

Given the quarter’s volatility, it isn’t surprising that momentum underperformed the market.

Value finished the quarter flat.

International [Value](#) | [Market](#) | [Momentum](#)

Overseas, international stocks were up through quarter end, with value stocks rallying to outperform the international market-cap portfolios and international momentum.

While it’s only one quarter, the outperformance of value stocks in both the US and International markets seems to imply an appetite for fundamentally strong, attractively priced companies that a value strategy seeks to capture.

Quantitative Value

QVAL / IVAL

We believe our Quantitative Value approach can provide robust diversification with the potential for excess returns through consistent exposure to the [cheapest stocks on the developed market](#).

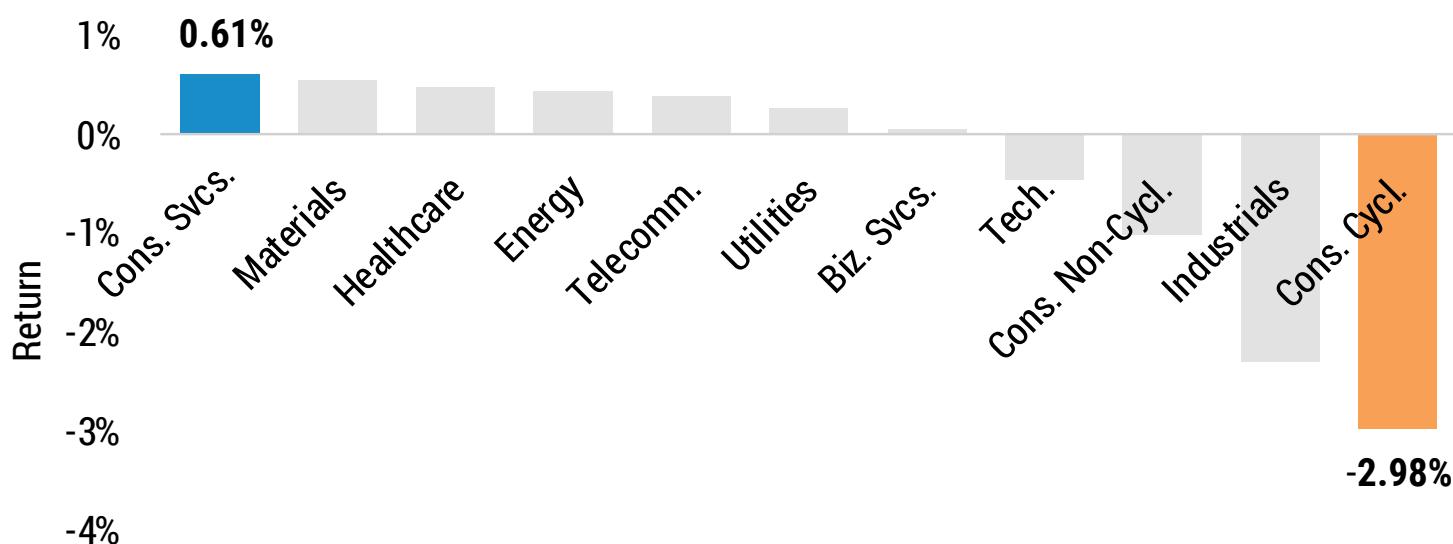


Fund Commentary

QVAL | U.S. Quantitative Value ETF

Through 3/31/2025, QVAL returned -4.23%/-3.99%/ (Mkt/NAV). Losses were concentrated in Consumer Cyclical and Industrial stocks; gains were diversified across the portfolio, with Cons Svcs. leading.

Return contribution by Sector



Contributors

Sector	Ticker	Name	QTD Return	Return Contrib.
Healthcare	DVA	DaVita Inc.	22.99%	0.40%
Energy	HES	Hess Corp	20.49%	0.37%
Materials	NEM	Newmont Corp	14.65%	0.31%
Cons. Svcs.	NXST	Nexstar Media	15.18%	0.30%
Cons. Svcs.	FOXA	Fox Corp. Cl A	17.07%	0.30%

Detractors

Sector	Ticker	Name	QTD Return	Return Contrib.
Cons. Cycl.	ANF	Abercrombie & Fitch Cl A	-48.91%	-1.12%
Cons. Cycl.	SIG	Signet Jewelers	-39.35%	-0.82%
Cons. Cycl.	PVH	PVH Corp.	-32.62%	-0.66%
Industrials	UAL	United Airlines	-28.89%	-0.56%
Industrials	DAL	Delta Airlines	-27.75%	-0.53%

Source: Alpha Architect, FactSet. 1/1/2025 – 3/31/2025. Daily returns. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. Sectors based on the RBICS economy taxonomy. See sector definitions.

QVAL | U.S. Quantitative Value ETF

Current Positioning [by Sector](#)

QVAL seeks to own a concentrated portfolio of the 50-200 stocks that we believe offer the best combination of valuation (EBIT/TEV) and financial strength. That means if stocks in a sector got more expensive (EBIT/TEV goes down), **we may reduce exposure**; if they got cheaper (EBIT/TEV goes up), **we may increase exposure**.

As of	12/31/24	3/31/25	Q/Q Change
Industrials	11.60%	19.90%	8.28%
Cons. Cycl.	27.80%	14.50%	-13.26%
Cons. Non-Cycl.	8.40%	13.80%	5.36%
Energy	7.80%	10.00%	2.11%
Healthcare	20.10%	9.90%	-10.25%
Technology	10.30%	7.90%	-2.39%
Materials	3.70%	7.90%	4.15%
Biz. Svcs.	5.70%	6.10%	0.39%
Cons. Svcs.	2.30%	4.00%	1.79%
Telecomms.	0.00%	3.90%	3.85%
Utilities	2.00%	2.10%	0.11%
Finance	--	--	--

Source: Alpha Architect, Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. Sectors based on the RBICS economy taxonomy. See sector definitions.

Education point | What is **EBIT/TEV**?

Earnings before interest and taxes (EBIT) / Total Enterprise Value (Market Capitalization + Total debt - Cash and Equivalents). We use EBIT/TEV over P/B or P/E because, in our view, it accounts for:

- Financing Decisions (Capital Structure)
- Firm Operations (Earnings)

To provide a very clear ratio between what the business earns through operations, how much it costs to generate those earnings and how much the market is willing to pay for it right now.

QVAL | U.S. Quantitative Value ETF

Top 10 Holdings by P/E Ratio

QVAL's equal-weighted strategy tends to **invest at a higher weighting than a market-cap weighted strategy**. We rebalance monthly to potentially increase the probability that we buy a stock trading below its intrinsic value and may benefit from positive mean reversion.

Ticker	Name	Sector	P/E Ratio	Mkt. Cap. (\$ bil)	QVAL Weighting	S&P 500 Weighting
THC	Tenet Healthcare	Healthcare	4.26	\$13,049	2.02%	--%
M	Macy's, Inc.	Non-Cycl.	6.39	\$3,663	2.01%	--%
CROX	Crocs, Inc.	Cons. Cycl.	6.98	\$6,253	2.04%	--%
CALM	Cal-Maine Foods, Inc.	Non-Cycl.	7.24	\$4,565	1.98%	--%
UAL	United Airlines	Industrials	7.57	\$23,362	1.98%	0.05%
ANF	Abercrombie & Fitch	Cons. Cycl.	7.79	\$4,075	2.13%	--%
NXST	Nexstar Media Grp.	Cons. Svcs.	8.22	\$5,548	2.01%	--%
MO	Altria Group, Inc.	Non-Cycl.	8.72	\$96,571	1.91%	0.21%
CMCSA	Comcast Corp. Cl. A	Telecom.	8.83	\$138,423	1.93%	0.29%
OSK	Oshkosh Corp	Industrials	9.26	\$6,181	1.99%	--%

Source: YCharts, FactSet, Alpha Architect. Holdings as of 4/2/2025. Characteristics information is believed to be accurate but is not guaranteed. Holdings are subject to change. See definitions for Sector, P/E Ratio, Market Cap., and S&P 500.

Fund Commentary

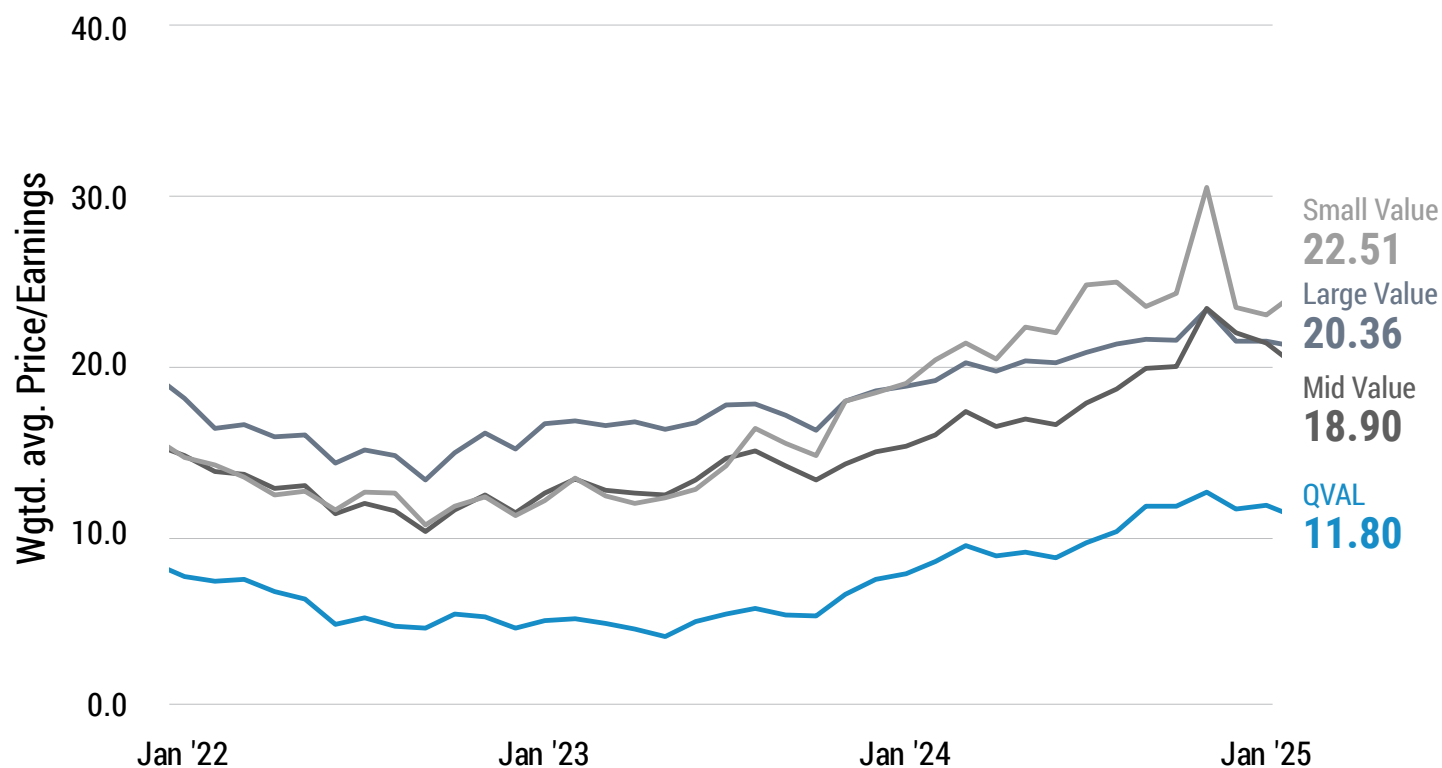
QVAL | U.S. Quantitative Value ETF

Characteristics

Our mission is to provide investors with the most effective way to capture the value premium. We believe we've fulfilled our value proposition if QVAL **consistently holds among the cheapest portfolios** on the market.

Through 3/31/2025, we believe we've delivered on that value proposition:

Trailing P/E | QVAL vs US Large, Mid, and Small Value



Source: YCharts, FactSet, Alpha Architect. Monthly characteristics. 1/1/2022 – 3/31/2025. Characteristics information is believed to be accurate but is not guaranteed. Holdings are subject to change. See definitions for P/E Ratio, US Large, Mid, and Small Value.

Fund Commentary

QVAL | U.S. Quantitative Value ETF

Observations

- **QVAL's weighted average P/E ratio sits at 11.8x**, far cheaper than its peer ETFs in the Large, Mid, or Small Value categories at 20.4x, 18.9x, and 22.5x, respectively.
- QVAL features a well-diversified portfolio as no sector currently exceeds 20% of the portfolio. This implies that there are **pockets of value to be found across sectors**.
- QVAL's weighted average market capitalization stands at **approximately \$27 billion**, or about stock #250 – 300 in the S&P 500 Index, suggesting that smaller stocks offer greater value than larger stocks, in aggregate.
- **Only three stocks** in our top ten holdings are in the S&P 500 – United Airlines, Altria, and Comcast. Overall, only 2.6% of QVAL's portfolio overlaps with the S&P 500.

Takeaways

By consistently owning a portfolio of cheap, high-quality stocks with little overlap with the S&P 500, we believe QVAL offers investors *true value investing exposure*.

As we cannot predict where markets will go, we will continue to execute our disciplined, systematic investment approach on the expectation that a portfolio of cheap, high-quality stocks will outperform over time.

Have a question?

Please reach out to Jack Vogel, PhD, Alpha Architect's co-CIO, CFO, and portfolio manager. He can be reached at jack@alphaarchitect.com.

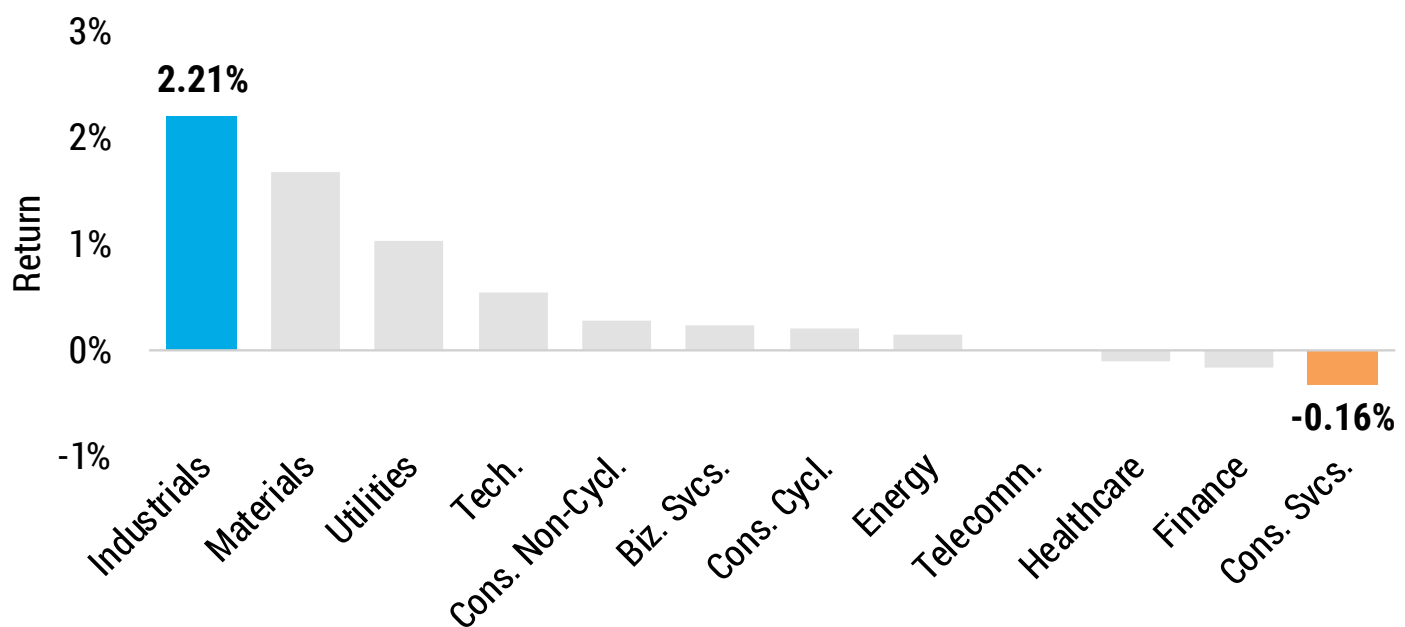


Fund Commentary

IVAL | International Quantitative Value ETF

Through 3/31/2025, IVAL returned 6.60%/5.18% (Mkt./NAV). Industrials, Materials, and Utilities all drove returns; losses were modest and diversified across the portfolio.

Return contribution by Sector



Contributors

Sector	Ticker	Name	QTD Return	Return Contrib.
Industrials	VH48TQ	Iveco Group NV	73.96%	1.27%
Industrials	X9RMCS	Eiffage SA	32.06%	0.60%
Materials	TG6436	Buzzi Spa	29.65%	0.59%
Materials	XHDJZY	Bluescope Stl.	28.06%	0.54%
Technology	7729	Tokyo Seimitsu	24.18%	0.46%

Detractors

Sector	Ticker	Name	QTD Return	Return Contrib.
Cons. Svcs.	GM738Y	TUI AG	-21.15%	-0.47%
Industrials	ZIM	ZIM Shipping	-18.25%	-0.41%
Energy	S9Q380	Hafnia Limited	-22.82%	-0.40%
Industrials	SYJDQC	Yangzijiang Shipbuilding	-19.55%	-0.38%
Industrials	LSNJXJ	easyJet plc	-16.59%	-0.35%

Source: Alpha Architect, FactSet. 1/1/2025 – 3/31/2025. Daily returns. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. Sectors based on the RBICS economy taxonomy. See sector definitions.

IVAL | International Quantitative Value ETF

Current Positioning [by Sector](#)

IVAL seeks to own a concentrated portfolio of the 50-200 stocks that we believe offer the best combination of valuation (EBIT/TEV) and financial strength. That means if stocks in a sector got more expensive (EBIT/TEV goes down), **we may reduce exposure**; if they got cheaper (EBIT/TEV goes up), **we may increase exposure**.

As of	12/31/24	3/31/25	Q/Q Change
Finance	26.35%	22.00%	-4.35%
Technology	4.06%	17.57%	13.50%
Healthcare	10.10%	14.56%	4.46%
Cons. Svcs.	9.83%	8.03%	-1.81%
Cons. Non-Cycl.	3.89%	7.97%	4.07%
Energy	6.26%	7.93%	1.67%
Materials	4.04%	5.90%	1.86%
Utilities	2.01%	4.04%	2.03%
Industrials	19.65%	3.97%	-15.68%
Telecomms.	0.00%	3.91%	3.91%
Biz. Svcs.	5.76%	1.98%	-3.78%
Cons. Cycl.	7.70%	0.00%	-7.70%

Source: Alpha Architect. Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. Sectors based on the RBICS economy taxonomy. See sector definitions.



Education point | What is [Financial Strength Score](#)?

We use “Financial Strength Score” (FS) to evaluate a firm’s balance sheet. FS Score has three components:

- Profitability (positive return on assets, positive free cash flow, high free cash flow to net income)
- Stability (paying down debt, current ratio improvement, net stock repurchases)
- Operating momentum (improving ROA, FCF/assets, gross margin, asset turnover)

Each stock receives a score out of 10. High FS firms tend to have low debt levels, ample cash reserves, and strong equity positions, which reduces the risk of experiencing financial distress.

IVAL | International Quantitative Value ETF

Top 10 Holdings by P/E Ratio

IVAL's equal-weighted strategy tends to **invest at a higher weighting than a market-cap weighted strategy**. We rebalancing monthly to potentially increase the probability that we buy a stock trading below its intrinsic value and may benefit from positive mean reversion.

Ticker	Name	Sector	P/E Ratio	Mkt. Cap. (\$ bil)	IVAL Weighting	Fgn. Lg. Blend Weighting
MAERSK.B	Maersk A/S Cl. B	Industrials	4.12	\$27,056	1.94%	0.05%
7270-TKS	Subaru Corp	Cons. Cycl.	4.63	\$13,288	2.01%	0.06%
MBG-ETR	Mercedes-Benz	Cons. Cycl.	5.34	\$56,419	1.97%	0.25%
TUI1-ETR	TUI AG	Cons. Svcs.	5.97	\$3,566	2.00%	--%
CNA-LON	Centrica plc	Utilities	6.00	\$9,843	1.98%	0.06%
7267-TKS	Honda Motor Co	Cons. Cycl.	6.08	\$47,995	1.98%	0.24%
5101-TKS	Yokohama Rubber	Cons. Cycl.	6.62	\$3,809	1.91%	--%
BS6-SES	Yangzijiang Shipbuilding	Industrials	7.28	\$6,960	1.94%	0.03%
EZJ-LON	easyJet plc	Industrials	7.43	\$4,428	2.00%	--%
8015-TKS	Toyota Tsusho Corp.	Industrials	7.46	\$17,661	1.95%	0.06%

Source: YCharts, FactSet, Alpha Architect. Holdings as of 4/2/2025. Characteristics information is believed to be accurate but is not guaranteed. Holdings are subject to change. See definitions for Sector, P/E Ratio, Market Cap., and S&P 500.

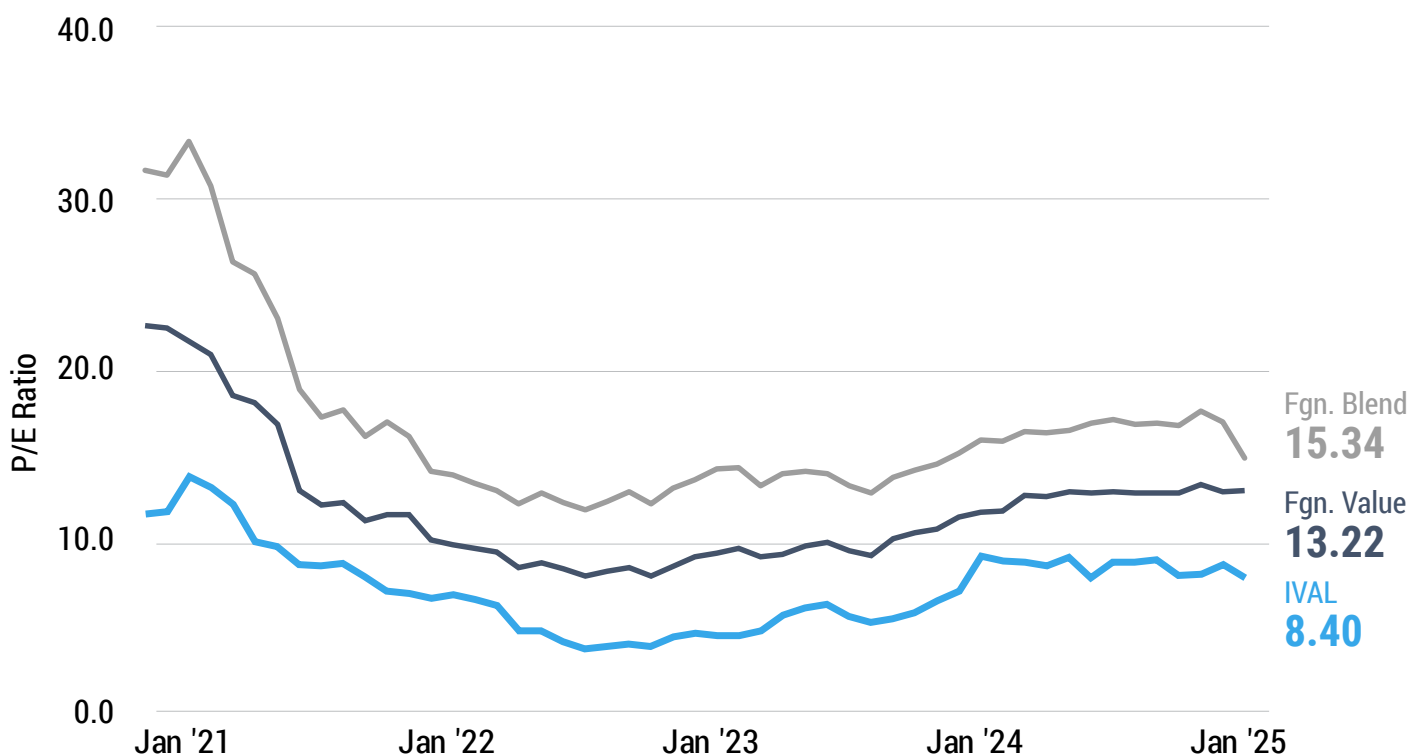
IVAL | International Quantitative Value ETF

Characteristics

Our mission is to provide investors with the most effective way to capture the value premium. We believe we've fulfilled our value proposition if IVAL **consistently holds among the cheapest portfolios** on the market.

Through 3/31/2025, we believe we've delivered on that value proposition:

Trailing P/E | IVAL vs Foreign Value peers and Foreign Lg. Blend



Source: YCharts, FactSet, Alpha Architect. Monthly characteristics. 1/1/2022 – 3/31/2025. Characteristics information is believed to be accurate but is not guaranteed. Holdings are subject to change. See definitions for P/E Ratio, Foreign Value, and Foreign Blend.

Fund Commentary

IVAL | International Quantitative Value ETF

Observations

- **IVAL's weighted average P/E ratio sits at 8.4x**, about 30% cheaper than its peer Foreign Value ETFs.
- Following our rebalance, we're now **tilted toward Industrials** with secondary trends in Consumer Cyclical and Materials stocks. Our portfolio appears diversified across sectors, which implies that there are pockets of value to be found across the market.
- IVAL's weighted average market capitalization stands at **approximately \$25 billion**; for context, SAP has the largest market cap in the international market at approx. \$310 billion.
- While seven of our top-10 holdings are also in the Foreign Large Blend index, we hold each position at a significantly higher weighting, thanks to our equal-weighted approach. Overall, just **6.7% of IVAL's portfolio overlaps** with the Foreign Large Blend index.

Takeaways

By consistently owning a portfolio of cheap, high-quality stocks with little overlap with foreign international equities, we believe IVAL offers investors true value investing exposure.

As we cannot predict where markets will go, we will continue to execute our disciplined, systematic investment approach on the expectation that a portfolio of cheap, high-quality stocks will outperform over time.

Have a question?

Please reach out to Jack Vogel, PhD, Alpha Architect's co-CIO, CFO, and portfolio manager. He can be reached at jack@alphaarchitect.com.



Quantitative Momentum

QMOM / IMOM

We believe our Quantitative Momentum approach can provide robust diversification with the potential for excess returns through consistent exposure to the **strongest stocks on the developed market**.

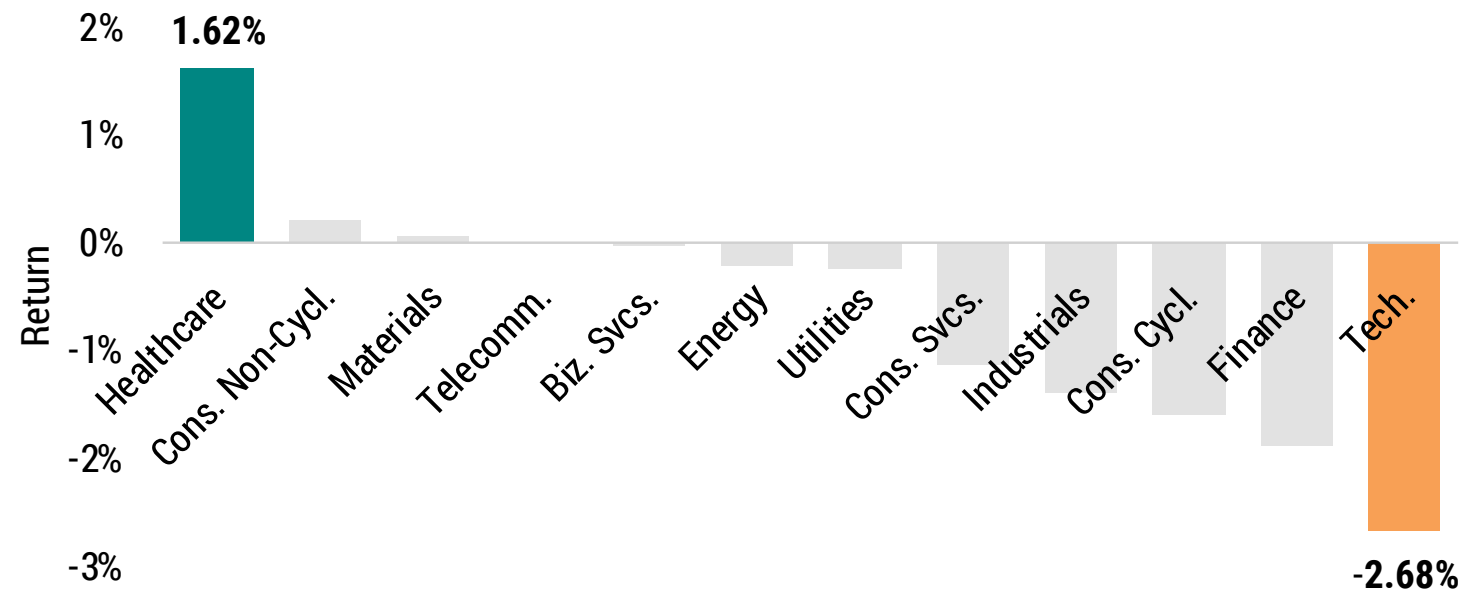


QMOM | U.S. Quantitative Value ETF

Through 3/31/2025, QMOM returned -7.38%/-7.17% (Mkt./NAV). Healthcare stocks were the lone bright spot; Tech detracted most from returns; Finance, Consumer Cyclical, and Industrials also detracted.

Return contribution by Sector

Best/Worst Return



Contributors

Sector	Ticker	Name	QTD Return	Return Contrib.
Healthcare	CORT	Corcept Thera.	67.87%	1.71%
Technology	SPOT	Spotify Tech	22.94%	0.41%
Finance	GWRE	Guidewire Sftwr	23.23%	0.40%
Healthcare	ADMA	ADMA Biologcs	15.69%	0.39%
Industrials	GE	GE Aerospace	22.67%	0.38%

Detractors

Sector	Ticker	Name	QTD Return	Return Contrib.
Cons. Svcs.	TTD	Trade Desk Cl.A	-42.85%	-0.81%
Technology	TWLO	Twilio Cl.A	-33.59%	-0.73%
Industrials	AAON	AAON, Inc.	-35.54%	-0.72%
Cons. Cycl.	BOOT	Boot Barn Hldg	-33.00%	-0.71%
Technology	PEGA	Pegasystems	-33.96%	-0.69%

Source: Alpha Architect, FactSet. 1/1/2025 – 3/31/2025. Daily returns. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. Sectors based on the RBICS economy taxonomy. See sector definitions.

QMOM | U.S. Quantitative Value ETF

Current Positioning by Sector

QMOM seeks to own a concentrated portfolio of the 50-200 stocks that we believe offer the best combination of intermediate momentum scores (2-12 momentum) and momentum quality. This means that QMOM may **tilt toward stocks with the highest momentum** and tilt away from slowing momentum.

As of	12/31/24	3/31/25	Q/Q Change
Finance	26.35%	22.00%	-4.35%
Technology	4.06%	17.57%	13.50%
Healthcare	10.10%	14.56%	4.46%
Cons. Svcs.	9.83%	8.03%	-1.81%
Cons. Non-Cycl.	3.89%	7.97%	4.07%
Energy	6.26%	7.93%	1.67%
Materials	4.04%	5.90%	1.86%
Utilities	2.01%	4.04%	2.03%
Industrials	19.65%	3.97%	-15.68%
Telecomms.	0.00%	3.91%	3.91%
Biz. Svcs.	5.76%	1.98%	-3.78%

Source: Alpha Architect, Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. Sectors based on the RBICS economy taxonomy. See sector definitions.



Education point | What is momentum score?

A momentum score measures the strength and persistence of a stock's recent price performance. It helps identify stocks that have been trending upward, based on the idea that winners tend to keep winning.

The intermediate-term 2-12 momentum score—total return from 12 months ago to 1 month ago—is widely regarded as the most effective. It excludes the most recent month to avoid short-term reversals, which can be driven by noise or mean reversion.

Research shows that this time frame captures sustained investor underreaction while filtering out temporary spikes, making it more predictive of future returns than shorter or longer-term measures.

QMOM | U.S. Quantitative Value ETF

Top 10 Holdings by Momentum Score

QMOM's equal-weighted strategy tends to **invest at a higher weighting than a market-cap weighted strategy**; rebalancing frequently may increase the probability that we own a portfolio of high momentum stocks that continue to experience price appreciation.

Ticker	Name	Sector	Momentum Score	Mkt. Cap. (\$ bil)	QMOM Weighting	S&P 500 ⁵ Weighting
EAT	Brinker Int'l, Inc.	Cons. Svcs.	231.90%	\$6,894	2.02%	--%
CRS	Carpenter Tech. Corp	Materials	192.70%	\$9,358	1.98%	--%
DOCS	Doximity, Inc. Cl. A	Healthcare	173.30%	\$10,874	1.92%	--%
ADMA	ADMA Biologics, Inc.	Healthcare	154.50%	\$4,807	1.92%	--%
TPL	Texas Pacific Land	Finance	152.60%	\$31,982	2.04%	0.05%
SATS	EchoStar Corp. Cl. A	Telecom.	139.50%	\$7,533	2.00%	--%
CORT	Corcept Thrptcs.	Healthcare	138.90%	\$8,842	2.96%	--%
SFM	Sprouts Farmers Mkt	Non-Cycl.	132.60%	\$15,523	2.05%	--%
SPOT	Spotify Technology	Technology	125.50%	\$115,256	1.93%	--%
IDCC	InterDigital, Inc.	Technology	124.10%	\$5,349	1.90%	--%

Source: YCharts, FactSet, Alpha Architect. Holdings as of 4/2/2025. Characteristics information is believed to be accurate but is not guaranteed. Holdings are subject to change. See definitions for Sector, Momentum Score, Market Cap., and S&P 500.

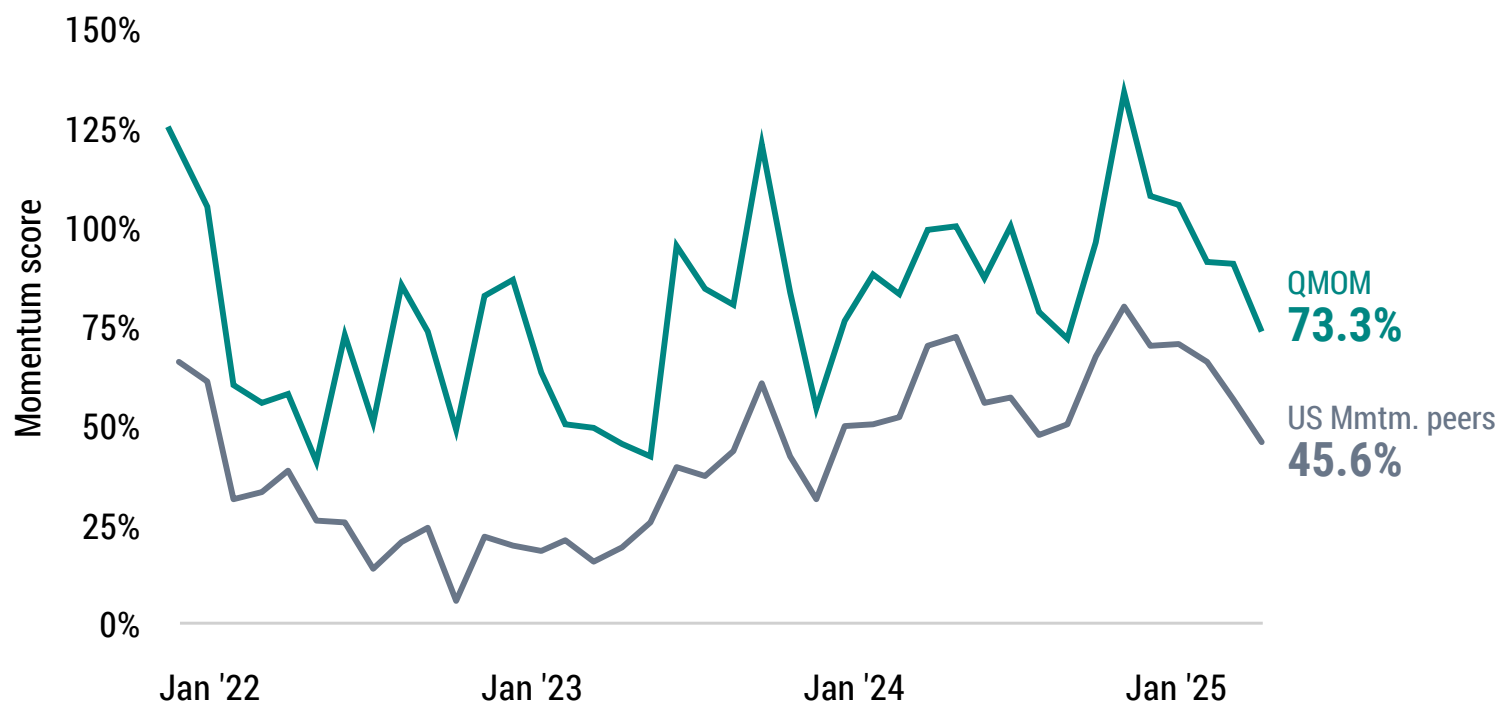
QMOM | U.S. Quantitative Value ETF

Characteristics

Our mission is to provide investors with the most effective way to capture the value premium. We believe we've fulfilled our value proposition if QMOM **consistently holds among the strongest portfolios** on the market.

Through 3/31/2025, we believe we've delivered on that value proposition:

Trailing momentum score | QMOM vs US Mmtm. peers



Source: YCharts, FactSet, Alpha Architect. Monthly characteristics. 1/1/2022 – 3/31/2025. Characteristics information is believed to be accurate but is not guaranteed. Holdings are subject to change. See definitions for momentum score and US Momentum peers.

Fund Commentary

QMOM | U.S. Quantitative Value ETF

Observations

- QMOM's weighted average **momentum score sits at 73.3%**, higher than peer momentum ETFs at 45.6%.
- Following our rebalance, we're now **tilted toward Financials** with secondary trends in Tech and Healthcare. Still, QMOM features a diversified portfolio across sectors, which implies that there are pockets of momentum to be found across the market.
- QMOM's weighted average market capitalization stands at **approximately \$50 billion**, or about stock #150 – 175 in the S&P 500 Index, suggesting that momentum may be strongest in middle third of the US stock market.
- Within our top-10 holdings, only Texas Pacific Land Corp. (TPL) is also in the S&P 500. Overall, just 4.7% of QMOM's portfolio **overlaps with the S&P 500**.

Takeaways

By consistently owning a portfolio of high momentum stocks with little overlap with the S&P 500, we believe QMOM offers investors true momentum investing exposure.

As we cannot predict where markets will go, we will continue to execute our disciplined, systematic investment approach on the expectation that a portfolio of high momentum stocks will outperform over time.

Have a question?

Please reach out to Jack Vogel, PhD, Alpha Architect's co-CIO, CFO, and portfolio manager. He can be reached at jack@alphaarchitect.com.



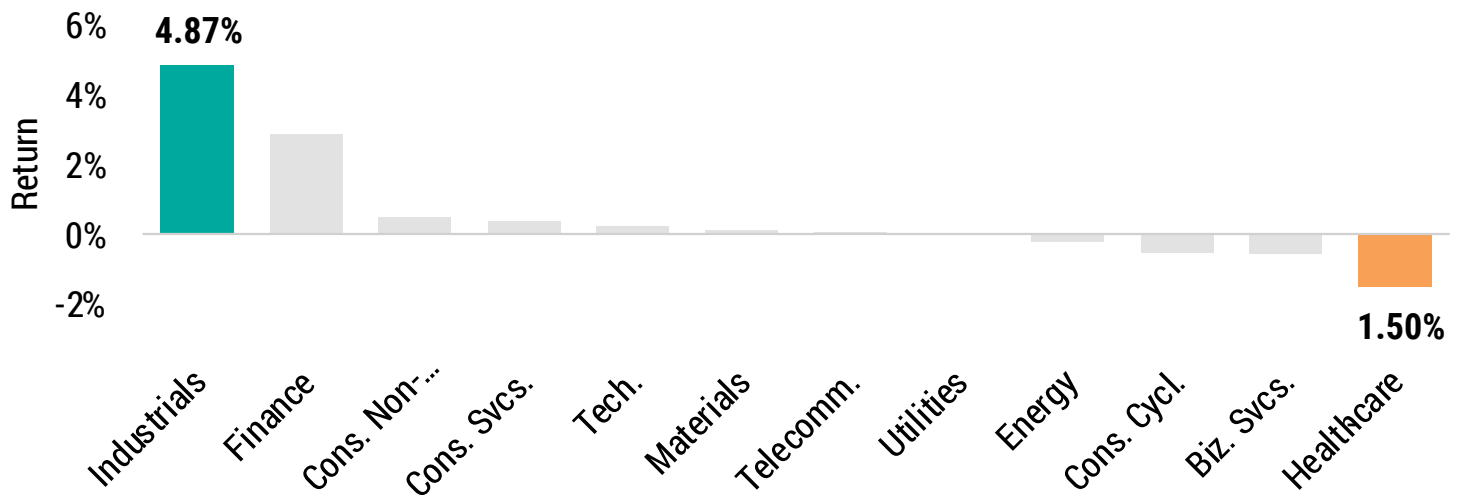
Fund Commentary

IMOM | International Quantitative Momentum ETF

Through 3/31/2025, IMOM returned 6.25%/5.83% (Mkt./NAV). Industrials stocks powered returns this quarter. Losses were modest and spread across the rest of the portfolio with Healthcare bringing up the rear.

Return contribution by Sector

Best/Worst Return



Contributors

Sector	Ticker	Name	QTD Return	Return Contrib.
Industrials	FT4G44	Rheinmetall AG	123.88%	1.96%
Industrials	CM4SB4	Leonardo SpA	80.36%	1.37%
Technology	9766	KONAMI Grp.	32.19%	0.62%
Finance	5838	Rakuten Bank	33.53%	0.60%
Cons. Svcs.	2432	DeNA Co., Ltd.	31.63%	0.59%

Detractors

Sector	Ticker	Name	QTD Return	Return Contrib.
Cons. Cycl.	GLBE	Global-e Online	-40.07%	-0.80%
Technology	6098	Recruit Hldngs	-27.69%	-0.59%
Biz. Svcs.	CLBT	Cellebrite DI	-27.78%	-0.54%
Technology	TC-QPZ3-R	Wisetech Glbl	-24.60%	-0.45%
Healthcare	TEVA	Teva Pharma.	-21.68%	-0.42%

Source: Alpha Architect, FactSet. 1/1/2025 – 3/31/2025. Daily returns. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. Sectors based on the RBICS economy taxonomy. See sector definitions.

IMOM | International Quantitative Momentum ETF

Current Positioning by Sector

IVAL seeks to own a concentrated portfolio of the 50-200 stocks that we believe offer the best combination of valuation (EBIT/TEV) and financial strength. That means if stocks in a sector got more expensive (EBIT/TEV goes down), **we may reduce exposure**; if they got cheaper (EBIT/TEV goes up), **we may increase exposure**.

As of	12/31/24	3/31/25	Q/Q Change
Finance	17.72%	25.79%	8.07%
Industrials	30.26%	17.97%	-12.30%
Technology	19.76%	15.99%	-3.77%
Healthcare	7.71%	11.73%	4.03%
Cons. Svcs.	8.32%	7.91%	-0.41%
Cons. Cycl.	8.04%	5.95%	-2.09%
Cons. Non-Cycl.	3.82%	5.92%	2.09%
Materials	1.89%	4.04%	2.15%
Telecomms.	0.00%	1.99%	1.99%
Biz. Svcs.	0.00%	1.93%	1.93%
Energy	2.14%	0.00%	-2.14%
Utilities	0.00%	0.00%	0.00%

Source: Alpha Architect, Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. Sectors based on the RBICS economy taxonomy. See sector definitions.

Education point | What is momentum quality?

Just as a frog fails to notice slowly rising heat, investors often underreact to steady, positive news. We can quantify this behavior using something called “frog-in-the-pan” (FIP) momentum quality.

To calculate FIP, we score each stock’s daily return as either positive or negative (or zero in some cases). Generally, a high-quality momentum stock should have a higher percentage of positive return days than a choppy stock. Amongst our high momentum stocks, we use FIP to filter for stocks with **smoother, less erratic return paths**.

All else being equal, we prefer stocks with returns of 10% per month for 12 months over those with a 120% gain in one month.

IMOM | International Quantitative Momentum ETF

Top 10 Holdings by P/E Ratio

IVAL's equal-weighted strategy tends to **invest at a higher weighting than a market-cap weighted strategy**. We rebalancing monthly to potentially increase the probability that we buy a stock trading below its intrinsic value and may benefit from positive mean reversion.

Ticker	Name	Sector	Momentum Score	Mkt. Cap. (\$ bil)	QMOM Weighting	Fgn. Lg. Blend Weighting
1686-HKG	Sunevision Hld Ltd.	Technology	259.50%	\$2,135	2.02%	--%
ENR-ETR	Siemens Energy AG	Industrials	205.00%	\$48,960	2.05%	0.22%
2432-TKS	DeNA Co Ltd	Cons. Svcs.	164.00%	\$2,872	1.97%	--%
ZIM	ZIM Shipping Ltd	Industrials	149.90%	\$1,943	2.15%	--%
6532-TKS	BayCurrent Inc	Technology	126.70%	\$6,716	1.97%	--%
TLX-ASX	Telix Pharma.	Healthcare	116.00%	\$5,448	1.91%	--%
8136-TKS	Sanrio Co Ltd	Cons. Cycl.	112.00%	\$11,339	1.91%	--%
7936-TKS	ASICS Corp	Cons. Cycl.	89.70%	\$15,923	2.03%	0.08%
RHM-ETR	Rheinmetall AG	Industrials	86.30%	\$62,377	1.94%	0.36%
7163-TKS	SBI Sumishin Bank	Finance	85.70%	\$4,099	1.97%	--%

Source: YCharts, FactSet, Alpha Architect. Holdings as of 4/2/2025. Characteristics information is believed to be accurate but is not guaranteed. Holdings are subject to change. See definitions for Sector, Momentum score, Market Cap., and Foreign Large Blend..

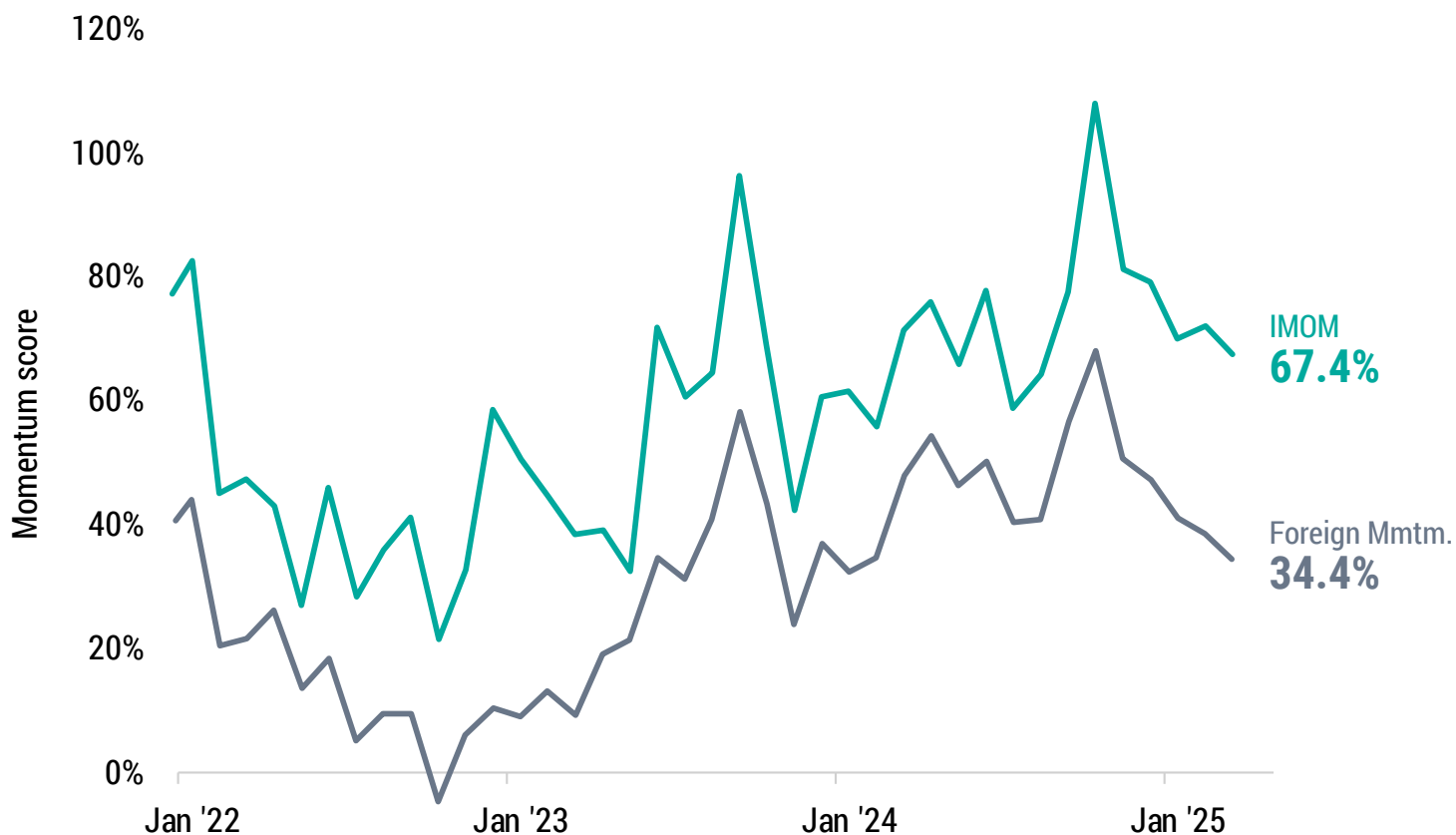
IMOM | International Quantitative Momentum ETF

Characteristics

Our mission is to provide investors with the most effective way to capture the value premium. We believe we've fulfilled our value proposition if QMOM consistently holds among the strongest portfolios on the market.

Through 3/31/2025, we believe we've delivered on that value proposition:

Trailing momentum score | IMOM vs Foreign Mmtm. peers



Source: YCharts, FactSet, Alpha Architect. Monthly characteristics. 1/1/2022 – 3/31/2025. Characteristics information is believed to be accurate but is not guaranteed. Holdings are subject to change. See definitions for momentum score and US Momentum peers.

Fund Commentary

IMOM | International Quantitative Momentum ETF

Observations

- IMOM's weighted average **momentum score sits at 67.4%**, nearly twice as strong as peer momentum ETFs at 34.4%.
- Following our rebalance, we're now **tilted toward Financials and Industrials**, with secondary trends in Tech and Healthcare. Overall, IMOM features a diversified portfolio across sectors, which implies that there are pockets of momentum to be found across the market.
- IMOM's weighted average market capitalization stands at approximately **\$37 billion**; for context, SAP has the largest market cap in the international market at approx. \$310 billion.
- Within our top-10 holdings, just three stocks – Siemens, Asics, and Rheinmetall – are also in the International index. Overall, only **9.4% of IMOM's portfolio overlaps with the International index**.

Takeaways

By consistently owning a portfolio of high momentum stocks with little overlap with the S&P 500, we believe QMOM offers investors *true momentum investing exposure*.

As we cannot predict where markets will go, we will continue to execute our disciplined, systematic investment approach on the expectation that a portfolio of high momentum stocks will outperform over time.

Have a question?

Please reach out to Jack Vogel, PhD, Alpha Architect's co-CIO, CFO, and portfolio manager. He can be reached at jack@alphaarchitect.com.



Global Factor Equity

AAVM

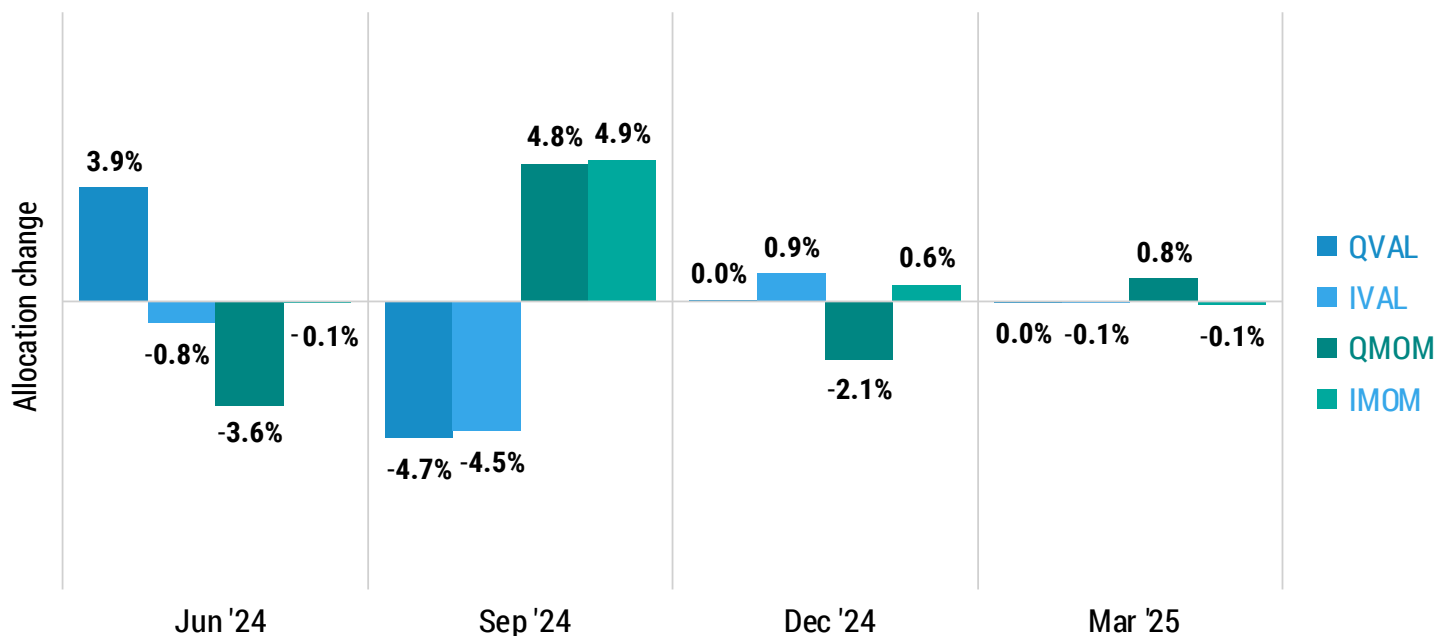
We believe the Alpha Architect Global Factor Equity ETF ([AAVM](#)) provides robust diversification with the potential for excess returns through consistent exposure to the cheapest and strongest stocks on the developed market.



AAVM | Global Factor Equity ETF

Through 3/31/2025, AAVM returned -3.42%/-3.54% (Mkt./NAV). Losses in QVAL and QMOM offset returns from IMOM and IVAL.

Trailing allocation change | last four quarters



Source: Alpha Architect. 6/30/2024 – 3/31/2025. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. Holdings are subject to change.

Recently, AAVM changed its ticker (from VMOT) and its investment methodology. Previously, VMOT would incorporate a short hedge, which has now been removed in favor of **long-only exposure**. As such, AAVM will always be fully invested, i.e., the fund will not short or go to a cash position should trends break down.

We believe this change will generate more competitive returns **without sacrificing the core benefit** of targeting the cheapest, strongest stocks across the developed market.

Quarter-over-quarter, AAVM saw **little change in its portfolio composition** with QMOM still the largest holding and Momentum (IMOM and QMOM) occupying 54.2% of the portfolio. AAVM remains tilted toward the US ETFs, 64.2% to 35.4%.

Global Factor Equity

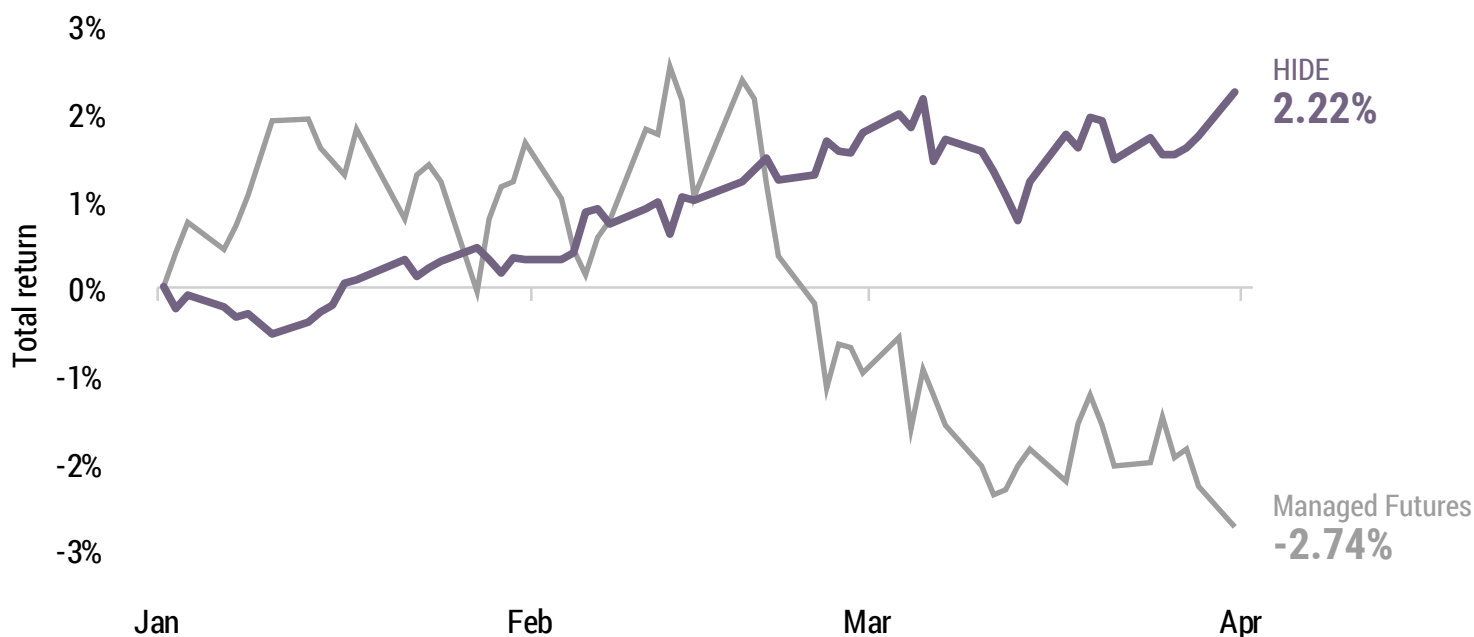
HIDE

We believe the Alpha Architect High Inflation and Deflation ETF (HIDE) offers a **cheaper, simpler, lower volatility** alternative to a managed futures strategy.



HIDE | High Inflation & Deflation ETF

Through 3/31/2025, HIDE returned 2.40%/2.22% (Mkt./NAV). We believe HIDE offers a cheaper, simpler, lower volatility alternative to a managed futures strategy. Through the first quarter, HIDE's simpler approach diverged from managed futures, which appear to have been caught by the elevated volatility.



Source: Alpha Architect, FactSet. 1/1/2025 – 3/31/2025. Daily returns at NAV. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. Holdings are subject to change. Returns are derived from sources believed to be accurate but are not guaranteed. See managed futures definition.

HIDE portfolio management process

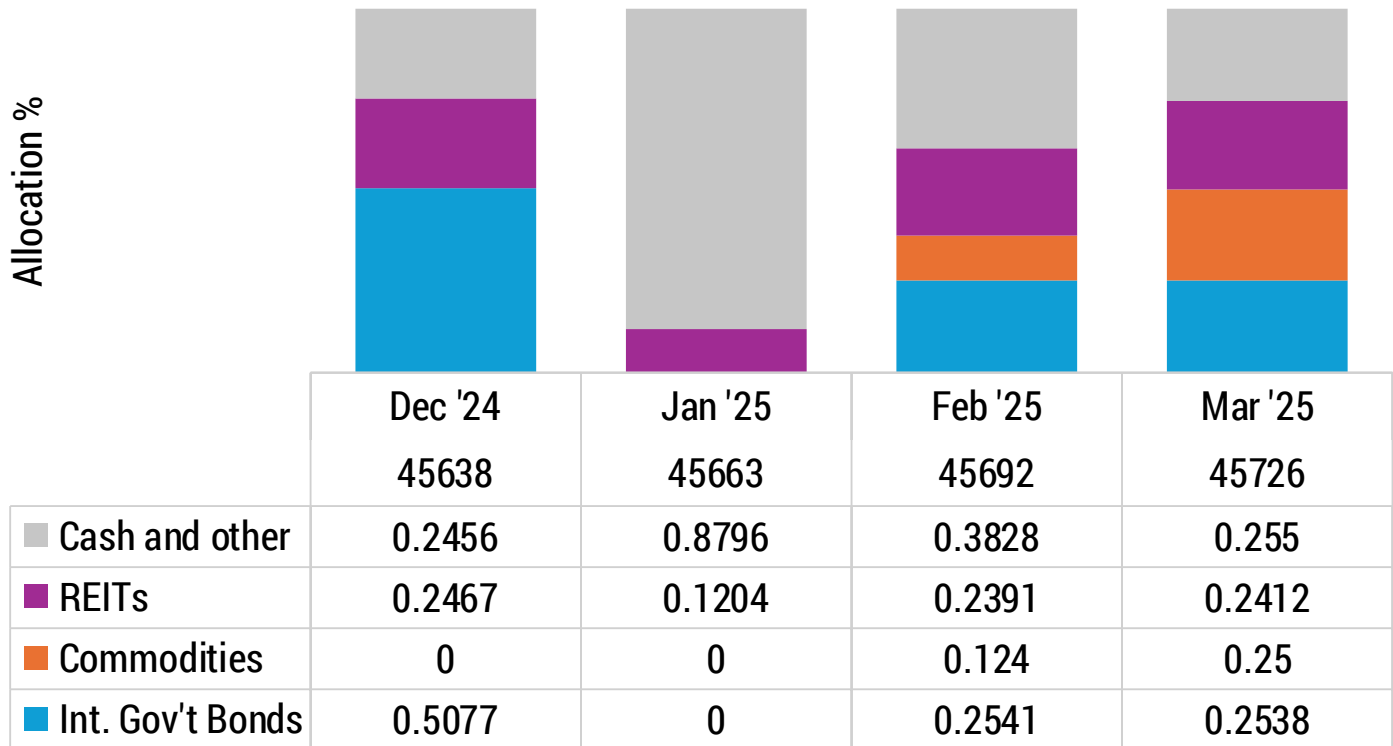
To mimic the dynamic nature of managed futures, HIDE reallocates using Alpha Architect's trend-following methodology, which consists of a moving average signal and a time series return signal.

HIDE's portfolio consists of:

REITs, Commodities, Intermediate US Government Bonds. A full allocation to these assets consists of 25% Commodities, 25% REITs, and 50% Treasuries.

Signal 1	Signal 2	HIDE allocation
POSITIVE	POSITIVE	100% exposure to the asset
POSITIVE	NEGATIVE	50% exposure, 50% cash or equivalent
NEGATIVE	NEGATIVE	0% exposure, 100% cash or equivalent

HIDE | High Inflation & Deflation ETF



Source: Alpha Architect. 1/1/2025 – 3/31/2025. Investing involves risk, including the potential loss of principal. Holdings are subject to change.

Observations

- **REITs.** HIDE held its full REITs allocation, supported by strong momentum in both signals. We include REITs as they provide equity exposure and modest inflation protection.
- **Commodities.** We trimmed commodities to half after the trend signal broke in March. We include commodities as commodity prices often rise with inflation, offering a natural hedge.
- **Int. Gov't Bonds.** Bond volatility kept HIDE at reduced exposure thanks to elevated volatility. We include Intermediate US Government Bonds as they've historically offered potential upside if rates fall, lower risk than long bonds, and minimal default risk.

Takeaways

Overall, **HIDE is in a more aggressive posture** than it was one month ago, when it held 88% in cash and 12% in REITs. We're currently approximately 60.5% invested and 39.5% in cash. Should uncertainty pick up from here, we anticipate HIDE's cash position to offer a modest buffer against pronounced downside risk.

Global Factor Equity

CAOS

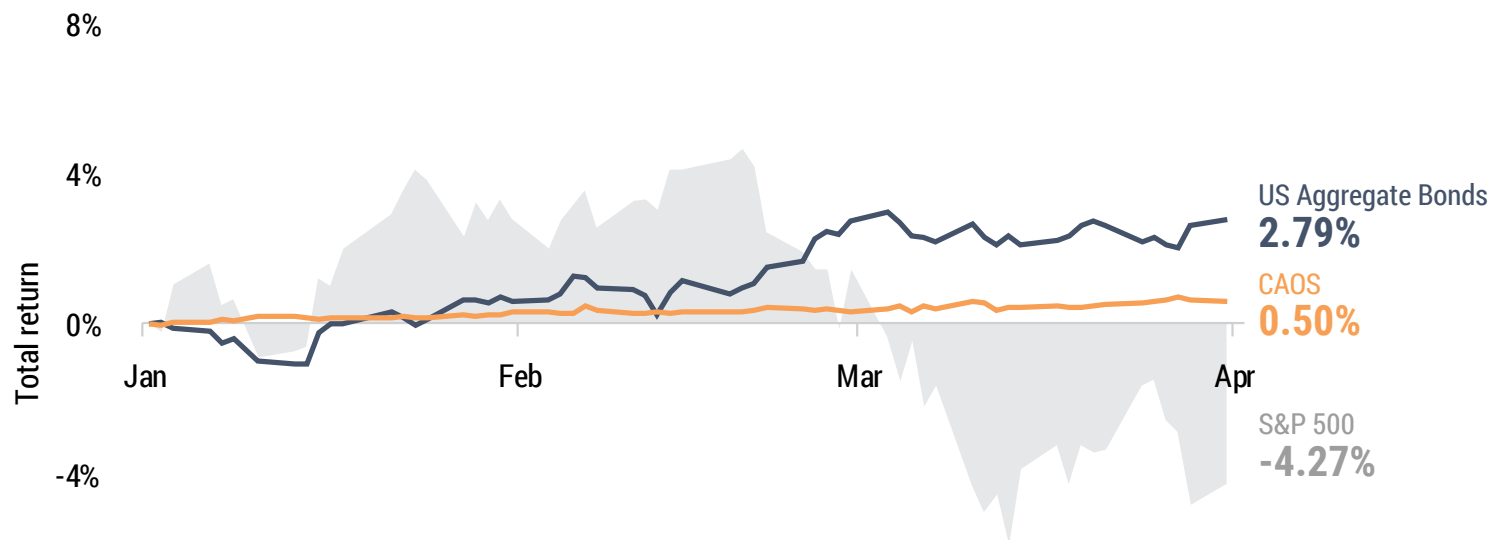
We believe the Alpha Architect Tail Risk ETF (**CAOS**) can provide positive, asymmetric returns during fast equity market crashes without sacrificing competitive, long-term returns.



Fund Commentary

CAOS | Tail Risk ETF

Through 3/31/2025, CAOS underperformed US Aggregate Bond ETFs, 0.50% to 2.79% at NAV.



Source: Alpha Architect, FactSet. 1/1/2025 – 3/31/2025. Daily returns at NAV. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. Returns are derived from sources believed to be accurate but are not guaranteed. See S&P 500 and US Aggregate Bond definition.

Observations

We've heard variations of "where's CAOS?" often this quarter, which is understandable, given that the S&P 500 fell over -10% from its peak on February 19th.

The tail risk portion of our portfolio generally held put options that were about 50% out of the money this quarter, based on the difference between the strike price and the S&P 500's level.

It was only in March that the **value of the put options** began to increase as the tremors in the S&P 500 started to pick up.

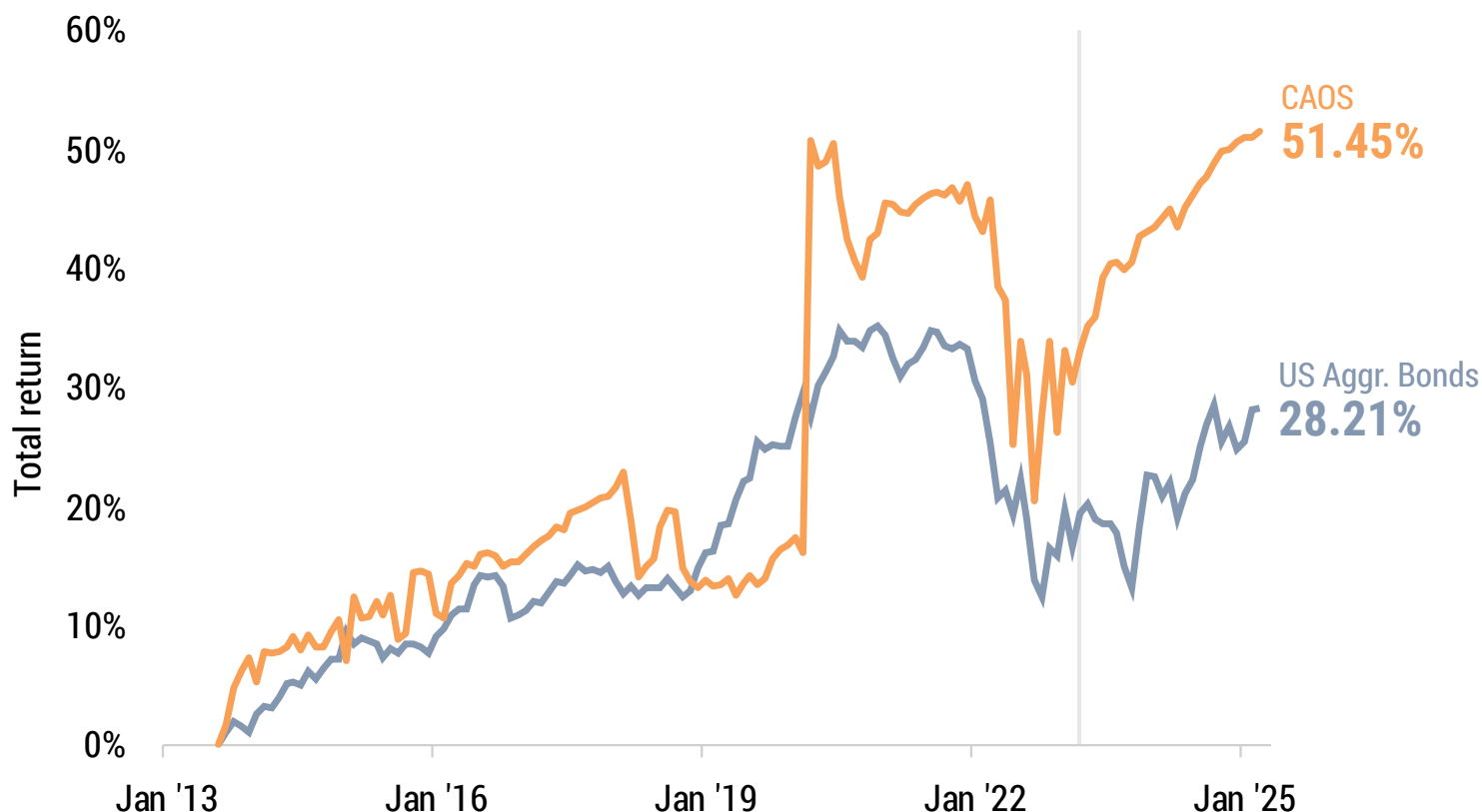
In other words, **CAOS did exactly what it was supposed to do**. The drop in the S&P 500's level may have been unnerving but wasn't the sort of "left tail" event that CAOS seeks to hedge against.

Fund Commentary

CAOS | Tail Risk ETF

We benchmark **CAOS to US Aggregate Bond** ETFs as many investors use CAOS as a complement or even full replacement for a bond allocation. In our view, the trade-off between higher returns due to higher credit risk is disproportionate to the downside risk that higher credit risk poses.

Overall, we're pleased with the track record CAOS has built relative to US Aggregate Bonds and expect the fund to remain highly competitive going forward.



Source: Alpha Architect, FactSet. 1/1/2025 – 3/31/2025. Daily returns at NAV. PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. Investing involves risk, including the potential loss of principal. Returns are derived from sources believed to be accurate but are not guaranteed. See US Aggregate Bond definition.

Have a question?

Please reach out to Jack Vogel, PhD, Alpha Architect's co-CIO, CFO, and portfolio manager. He can be reached at jack@alphaarchitect.com.

Core | Fixed Income

Cboe:BOXX

The Alpha Architect 1-3 Mo. Box ETF ([Cboe:BOXX](#)) is an options-based alternative to an ultrashort duration bond position.

Fund Commentary

Cboe:BOXX | 1-3 Mo. Box ETF

Through 3/31/2025, (Cboe:BOXX) is up 1.10%/1.07% (Mkt/NAV).

What is a box spread?

A box spread is an options trading strategy that combines a long call and short put at one strike price with a short call and long put at a different strike price.

Are the legs of a box spread trade executed individually?

No. All four option legs have the same maturity date. A box spread is always executed with all four legs traded at the same time. The fund does NOT execute each leg of the box spread individually.

How do you address early exercise risk?

Cboe:BOXX generally trades and holds “European” style options, which are only exercisable at expiration, thus eliminating early exercise risk.

Are box spreads new?

No. As early as November 1985, Billingsley and Chance published “Options Market Efficiency and the Box Spread Strategy” in Financial Review.

Have a question?

Please reach out to Jack Vogel, PhD, Alpha Architect’s co-CIO, CFO, and portfolio manager. He can be reached at jack@alphaarchitect.com.

The Alpha Architect 1-3 Month Box ETF (Ticker: Cboe:BOXX) is not affiliated with, associated with, sponsored by, or endorsed by IHS Markit Ltd. or S&P Global Inc. or any of their products or services, including their iBoxx™ bond indices.



Core | Fixed Income

BOXA

The Alpha Architect Aggregate Bond ETF ([BOXA](#)) is an options-based alternative to an aggregate bond position. BOXA is an options-based alternative to an aggregate bond position. Through 3/31/2025, BOXA is up 2.12%/2.02% (MKT/NAV).



Core | Equity

AAUS

The Alpha Architect U.S. Equity ETF ([AAUS](#)) seeks to provide broad exposure to the U.S. equity market. At times, the fund may replace certain holdings to potentially minimize dividend distributions.



Fund Commentary

AAUS | U.S. Equity ETF

Why consider AAUS?

- AAUS seeks to provide broad exposure to the U.S. stock market coupled with a strategic dividend management strategy
- In our view, market bias towards dividends **creates a mispricing opportunity**. At times, the fund may replace certain holdings to potentially minimize dividend distributions.
- 0.15% net expense ratio, placing AAUS in the cheapest quartile for large-cap funds.

Strategic dividend management approach example

Sector	Ticker	Name	S&P 500 Weighting	Dividend / share	Potential AAUS action
Info. Tech.	AAPL	Apple	7.60%	\$0.25	We may accept AAPL's dividend and retain AAPL exposure in AAUS, given its relative weight in the underlying index.
Energy	CVX	Chevron	0.49%	\$6.52	We may seek to replace CVX with a similar stock before it distributes its dividend, given its current dividend per share.
Comms.	NFLX	Netflix	0.76%	--%	We may retain NFLX's relative weighting in AAUS, given that NFLX does not pay a dividend.

For illustrative purposes only. AAUS has an effective registration statement but is not currently trading. As such, it has no holdings. The table above seeks to illustrate how we may apply our strategic dividend approach. 1Source: YCharts. Holdings as of 2/6/2025. Post launch, we will assess the portfolio situation and the investment environment at that time to determine how we can best manage the fund to achieve our investment objectives outlined in our prospectus.

Fund Commentary

AAUS | U.S. Equity ETF

We intend to launch AAUS via a 351 Exchange.

This means investors may contribute highly appreciated securities in exchange for shares in AAUS without recognizing those gains at the time of exchange if certain qualifications are met.

What is a 351 Exchange?

Section 351 allows a company to restructure into a newly formed corporation, e.g., a newly-created ETF. Provided specific tests are met, shareholders may transfer ownership from one entity to another without recognizing gains at the time of transfer.

Who may be a good fit to participate in a 351 Exchange?

Your portfolio consists of over 10 US stocks or ETFs that hold US stocks with significant unrealized capital gains.

You manage a direct indexing separately managed account (“SMA”) that directly holds U.S. stocks you no longer wish to manage.

You hold a concentrated US equity position with significant unrealized capital gains alongside an otherwise diversified portfolio.

Is there a cost to participate?

Alpha Architect will bear the administrative costs of facilitating the 351 Exchange. In exchange, we ask for a minimum portfolio size of \$1 million and for assets that custody at Goldman Sachs, Northern Trust, Altruist, Fidelity/NFS or Schwab.

For more FAQs, please visit <https://funds.alphaarchitect.com/aaus/>.

Have a question?

Please reach out to Jack Vogel, PhD, Alpha Architect’s co-CIO, CFO, and portfolio manager. He can be reached at jack@alphaarchitect.com.

Team

Alpha Architect | Executive Team



Wesley R. Gray, PhD

Alpha Architect CEO | co-CIO

- PhD/MBA from the University of Chicago – Booth School of Business; studied under Nobel Prize Winner Eugene Fama
- BS The Wharton School of the University of Pennsylvania, *magna cum laude*
- United States Marine Corps Captain (2004-2008)
- Published in multiple academic journals, including the Journal of Portfolio Management, the Journal of Investing, the Journal of Quantitative Finance, and more. Authored or co-authored four books.



Jack R. Vogel, PhD

Alpha Architect CFO | co-CIO

- PhD Finance and an MS in Mathematics from Drexel University
- BS in Mathematics and Education, *summa cum laude* from The University of Scranton
- Published in multiple academic journals, including the Journal of Portfolio Management, the Journal of Investing, the Journal of Quantitative Finance, and more. Co-authored two books.

Have a question?

Please reach out to Jack Vogel, PhD, Alpha Architect's co-CIO, CFO, and portfolio manager. He can be reached at jack@alphaarchitect.com.

IMPORTANT INFORMATION

This material has been distributed for informational purposes only and should not be considered investment advice or a recommendation of any particular security, strategy, or investment product. Information contained herein has been obtained from sources believed to be reliable, but not guaranteed. No part of this material may be reproduced in any form, or referred to in any other publication, without express written permission.

PROSPECTUS OFFER

Investors should carefully consider the investment objectives, risk, charges, and expenses of the funds. This and other important information is in the indicated fund's prospectus, which can be obtained by calling (215) 882-9983 or by visiting www.funds.alphaarchitect.com. The prospectus should be read carefully before investing.

Investment risk. When you sell your Shares of the Fund, they could be worth less than what you paid for them. The Fund could lose money due to short-term interest rate market movements and over longer periods during continued interest rate market movements. Therefore, you may lose money by investing in the Fund.

Management Risk. The Fund is actively managed and may not meet its investment objective based on the Adviser's success or failure to implement investment strategies for the Fund.

Quantitative security selection risk. The Adviser uses a quantitative model, and its processes could be adversely affected if erroneous or outdated data is utilized. In addition, securities selected using a quantitative model could perform differently from the financial markets as a whole as a result of the characteristics used in the analysis, the weight placed on each characteristic and changes in the characteristic's historical trends.

Small to mid-sized capitalization. The Funds may invest in small to mid-sized capitalization companies or a particular sector making the Fund more sensitive to changing market conditions. Smaller capitalization companies may be more volatile and less liquid than those of more established companies. Investments in foreign securities involve political, economic and currency risks, greater volatility and differences in accounting methods.

Fund-of-funds risks. Because the Funds may invest in other funds, the Funds' investment performance largely depends on the underlying Alpha Architect ETFs. An investor will indirectly bear the principal risks and its share of the fees and expenses of the underlying funds. Some of the underlying funds may be concentrated in a particular sector or invest in smaller to mid-sized capitalization companies making the Fund more sensitive to changing market conditions. Investments in foreign securities involve political, economic and currency risks, greater volatility and differences in accounting methods.

Momentum Style Risk. Investing in or having exposure to securities with the highest relative momentum entails investing in securities that have had above-average recent returns. These securities may be more volatile than a broad cross-section of securities. Returns on securities that have previously exhibited momentum may be less than returns on other styles of investing or the overall stock market. Momentum can turn quickly and cause significant variation from other types of investments, and stocks that previously exhibited high momentum may not experience continued highest relative momentum. In addition, there may be periods when the momentum style is out of favor, and during which the investment performance of the Fund using a momentum strategy may suffer.

Value investing risk. Value investing is subject to the risk that intrinsic values of investments may not be recognized by the broad market or their prices may decline. Investments utilizing quantitative methods may perform differently than the market as a result of the characteristics and data used and changes in trends. Periodic reallocation could cause the Fund's market exposure to be affected by significant market movement or lag market direction after a reconstitution.

Hedging strategy risk. Hedging strategies could limit the Fund's gains in rising markets and may expose the Fund to costs to which it would otherwise not have been exposed. The Fund's use of hedging strategies based on mathematical models may not produce the desired result or risk that the Adviser is unable to trade certain derivatives effectively or in a timely manner. The use of derivatives in connection with the Fund's hedging strategies may expose the Fund to losses (some of which may be sudden and could amplify volatility) due to unexpected changes in the market that it would not have otherwise been exposed to if it had only invested directly in equity securities. When the Fund sells futures contracts or other securities short, the Fund is exposed to the risks associated with short sales, which involve certain risks and special considerations. Theoretically, losses from short sales are potentially unlimited.

IMPORTANT INFORMATION

Derivatives Risk. Derivatives are instruments, such as futures contracts, whose value is derived from that of other assets, rates, or indices. The use of derivatives for non-hedging purposes may be considered to carry more risk than other types of investments.

Commodity Risk. Investing in physical commodities is speculative and can be extremely volatile.

Real Estate Investment Risk. Companies in the real estate sector include companies that invest in real estate, such as real estate investment trusts (REITs) and real estate management and development companies.

Non-Diversification Risk. The Fund is non-diversified, meaning that it is permitted to invest a larger percentage of its assets in fewer issuers than diversified funds.

Selling or Writing Options Risk. Writing option contracts can result in losses that exceed the seller's initial investment and may lead to additional turnover and higher tax liability. The risk involved in writing a call option is that there could be an increase in the market value of the underlying or reference asset.

Buying or Purchasing Options Risk. If a call or put option is not sold when it has remaining value and if the market price of the underlying asset, in the case of a call option, remains less than or equal to the exercise price, or, in the case of a put option, remains equal to or greater than the exercise price, the buyer will lose its entire investment in the call or put option.

Box Spread Risk. A Box Spread is a synthetic bond created by combining different options trades that have offsetting spreads (e.g., purchases and sales on the same underlying instrument, such as an index or an ETF, but with different strike prices). If one or more of these individual option positions are modified or closed separately prior to the option contract's expiration, then the Box Spread may no longer effectively eliminate risk tied to the underlying asset's price movement.

FLEX Options Risk. FLEX Options are exchange-traded options contracts with uniquely customizable terms like exercise price, style, and expiration date. Due to their customization and potentially unique terms, FLEX Options may be less liquid than other securities, such as standard exchange listed options.

Counterparty Risk. Counterparty risk is the risk that a counterparty to a financial instrument held by the Fund or by a special purpose or structured vehicle invested in by the Fund may become insolvent or otherwise fail to perform its obligations, and the Fund may obtain no or limited recovery of its investment, and any recovery may be significantly delayed.

In-Kind Contribution Risk: At its launch, the Fund expects to acquire a material amount of assets through one or more in-kind contributions that are intended to qualify as tax-deferred transactions governed by Section 351 of the Internal revenue Code. If one or more of the in-kind contributions were to fail to qualify for tax-deferred treatment, then the Fund would not take a carryover tax basis in the applicable contributed assets and would not benefit from a tapered holding period in those assets. This could cause the Fund to incorrectly calculate and report to shareholders the amount of gain or loss recognized and/or the character of gain or loss (e.g., as long-term or short-term) on the subsequent disposition of such assets.

Tax Advisory Disclaimer: Neither ETF Architect nor its affiliates provide tax advice. In compliance with IRS Circular 230, we wish to inform you that any tax advice contained in this communication was not intended or written to be used, and cannot be used, for the purpose of (i) avoiding tax-related penalties under the Internal Revenue Code or (ii) promoting, marketing, or recommending to another party any matters discussed herein. We strongly advise that you consult an independent tax advisor to assess your specific circumstances.

Estate Planning Notice: The information included in this communication is not intended as a substitute for comprehensive estate planning and does not constitute legal or estate advice. It serves only as a preliminary outline of how tax-free conversions operate. For detailed guidance, we recommend consulting your legal counsel.

IMPORTANT INFORMATION

DEFINITIONS

US Stocks are represented by the S&P 500 Index, which measures the performance of the 500 largest companies that are in the United States.

P/E Ratio measures how much an investor is willing to pay for one dollar of earnings. It is calculated by dividing the share price by the annual net income earned by the firm.

US Value peers represented by the 50 biggest ETFs based on assets under management in the US Large (top 70% stocks by market cap), Mid-Cap (middle 20%), and Small (bottom 10%) Value categories. Value defined as equities with low valuations (low price ratios and high dividend yields) and slow growth (low growth rates for earnings, sales, book value, and cash flow). Categories determined by YCharts. You cannot invest directly in an index or category average.

Real Estate (REITs) refers to an investable universe of real estate stocks, usually represented by publicly-traded real estate investment trusts (REITs).

Put spread is an options trading strategy that involves holding a position in two put options with the same expiration date but different strike prices. It's designed to limit an investor's potential loss while also capping the potential gain.

CATEGORY AVERAGE METHODOLOGY

Constituents of a given category are determined by YCharts. As of 4/30/2024, the calculation method used to determine the category average's returns changed to account for potentially different inception dates. Previously, a straight average of constituent funds' total return net asset value (NAV) was used to determine the category's average total return NAV; the percent change of the category average NAV was then used to calculate returns. As of 4/30/2024, total returns for the category are now found using a straight average of the total NAV return (percent change) for a given frequency (daily, weekly, monthly, etc.). There may be instances where the straight average of the constituent funds' NAV returns may be higher or lower than the straight average of the total NAV return. As of 4/30/2024, all category average returns are calculated using the straight average of the constituent funds' total NAV return for a given frequency.

CATEGORY AVERAGE CONSTITUENT SELECTION CRITERIA

Unless otherwise noted, the given category is represented by the 50 biggest funds based on assets under management (AUM). The AUM figure is point-in-time and is not retroactively applied to constituent funds. In the event fewer than 50 funds are available in a given category, all funds are used in to calculate returns. Funds that may have been open for investment over the given period but are no longer active are not included. The number of constituent funds in a given category average may affect represented returns. In the event of multiple share classes, the share class with the highest AUM is referenced. Category returns are a straight average of the total return of the constituent funds over the given period.

Wherever possible, we reference the 50 biggest funds by AUM to provide what we believe to be a reasonable sample of the most popular strategies that includes a mix of passive and active approaches. The highest AUM funds tend to have more established track records, providing what we believe to be a reasonable basis for returns.

IMPORTANT INFORMATION

US MOMENTUM METHODOLOGY

There is no explicit “momentum” category. Generally, momentum funds tend to fall into the “growth” category, however, that standard is not uniformly applied by third party data providers such as FactSet, Morningstar, YCharts, or others. To facilitate what we believe to be fair and balanced comparison, we build a momentum category using the following criteria.

1. Exclude Alpha Architect funds
2. Exclude non-USD denominated funds
3. Exclude mutual funds. We do this to facilitate a fair comparison at a structural level (ETF to ETF) and to facilitate accurate advanced characteristics data, such as active share and momentum score
4. Filter for Broad Asset Class: US Equity & Sector Equity. We include sector momentum ETFs on the basis that a sector-based momentum strategy could be a reasonable alternative to a broad-based momentum approach. Filtering for funds in the US Equity broad asset class excludes alternatives such as long/short momentum funds. Our goal is to identify “peer” momentum strategies that are long-only.
5. Filter for US Equity Exposure $\geq 50\%$. Here we seek to avoid strategies that aren't focused on US equities.
6. Remove funds that contain the word “value” or variations in the fund's name. This removes funds that blend value and momentum together, which may cause performance deviations.
7. Filter funds that contain the word “momentum” or variations in the fund. We believe this is a reasonable approach to identify most funds seeking to hold themselves out as a momentum strategy, and therefore, a peer to our momentum to our strategy.

Limited universe. The information presented regarding peer ETFs may be based on a limited universe of comparable funds that we believe are relevant to the strategy, investment style, and asset class of this ETF. This comparison is not exhaustive and may exclude other funds that also offer similar exposures or strategies. Investors are encouraged to conduct their own research and consider other products in the marketplace that may provide comparable investment objectives or characteristics. Past performance is no guarantee of future results, and differences in fees, structures, or market conditions may lead to different outcomes between peer funds and this ETF. Investors should consider factors such as risk tolerance, fees, liquidity, and investment goals before making any investment decisions based on peer comparisons. This disclosure is not an endorsement of any peer fund, nor should it be interpreted as financial advice. As of 3/31/2025, there are 27 ETFs that meet the criteria.

FOREIGN MOMENTUM METHODOLOGY

There is no explicit “momentum” category. Generally, momentum funds tend to fall into the “growth” category, however, that standard is not uniformly applied by third party data providers such as FactSet, Morningstar, YCharts, or others. To facilitate what we believe to be fair and balanced comparison, we build a momentum category using the following criteria.

1. Exclude Alpha Architect funds
2. Exclude non-USD denominated funds
3. Exclude mutual funds. We do this to facilitate a fair comparison at a structural level (ETF to ETF) and to facilitate accurate advanced characteristics data, such as active share and momentum score
4. Filter for Broad Asset Class: International Equity & Sector Equity. We include sector momentum ETFs on the basis that a sector-based momentum strategy could be a reasonable alternative to a broad-based momentum approach. Filtering for funds in the International Equity broad asset class excludes alternatives such as long/short momentum funds. Our goal is to identify “peer” momentum strategies that are long-only.
5. Filter for US Equity Exposure $< 50\%$. We seek to avoid strategies that aren't focused on International Developed equities.
6. Filter for Emerging Market exposure $< 20\%$. Our Quantitative Int'l Momentum ETF (IMOM) excludes emerging market equities in its process; as a result, we remove funds focused on emerging market to facilitate what we believe to be a fair and balanced comparison.
7. Remove funds that contain the word “value” or variations in the fund's name. This removes funds that blend value and momentum together, which can cause performance deviations.
8. Filter funds that contain the word “momentum” or variations in the fund. While this step likely understates the number of funds that use momentum in their investment strategy, we believe this is a reasonable approach to identify funds seeking to hold themselves out as a momentum strategy.

IMPORTANT INFORMATION

Limited universe. The information presented regarding peer ETFs may be based on a limited universe of comparable funds that we believe are relevant to the strategy, investment style, and asset class of this ETF. This comparison is not exhaustive and may exclude other funds that also offer similar exposures or strategies. Investors are encouraged to conduct their own research and consider other products in the marketplace that may provide comparable investment objectives or characteristics. Past performance is no guarantee of future results, and differences in fees, structures, or market conditions may lead to different outcomes between peer funds and this ETF. Investors should consider factors such as risk tolerance, fees, liquidity, and investment goals before making any investment decisions based on peer comparisons. This disclosure is not an endorsement of any peer fund, nor should it be interpreted as financial advice. As of 3/31/2025, there are four ETFs that meet the criteria.

Foreign Large Blend represented by the 50 biggest ETFs based on assets under management in the Foreign Large Blend category, as defined by YCharts. Foreign Large-cap represented by ETFs that invest in stocks with market caps in the top 70% of developed markets, including Japan, Britain, France, and Germany. The blend designation is assigned when neither growth or value characteristics dominate.

Foreign Momentum represented by ETFs that we believe use a momentum-based strategy to manage its portfolio. Momentum defined as buying securities that have had high returns over a recent period and selling those that have had poor returns over the same period. Funds selected based on the appearance of “momentum” in the security’s name and a portfolio that predominantly invests in developed international securities.

Foreign Value represented by the 50 biggest ETFs based on assets under management in the Foreign Large and Small/Mid-Cap Value categories. Value defined as equities with low valuations (low price ratios and high dividend yields) and slow growth (low growth rates for earnings, sales, book value, and cash flow).

Managed futures is represented by the biggest open-ended funds (mutual funds and ETFs), by AUM, in the Systematic Trend category, which is composed of funds that primarily implement trend-following, price-momentum strategies by trading long and short liquid global futures, options, swaps, and foreign-exchange contracts. These portfolios typically obtain exposure referencing a mix of diversified global markets, including commodities, currencies, government bonds, interest rates, and equity indexes.

Market Cap is a measurement of business value based on share price and number of shares outstanding. It generally represents the market’s view of a company’s stock value and can be a determining factor in stock valuation. The weighted average market cap is the average market capitalization of the companies in a portfolio or index, weighted by their proportionate size within the portfolio. It reflects the overall size exposure of the portfolio.

Momentum Score is a system that scores companies based on their one-year total returns, excluding the last month of returns. Those that had the greatest returns will have the highest momentum scores, and those with the lowest returns will have the lowest momentum score. Momentum is a characteristic of the security’s underlying holdings and should not be construed as performance. The weighted average momentum score is the average momentum score of the stock’s in a portfolio, weighted by their proportionate size within the portfolio. It reflects the overall momentum score of the portfolio.

P/E Ratio measures how much an investor is willing to pay for one dollar of earnings. It is calculated by dividing the share price by the annual net income earned by the firm. The weighted average P/E ratio is the average P/E of a portfolio or index, where each stock’s P/E ratio is weighted by its market value relative to the total portfolio or index.

S&P 500 Index is a market cap-weighted index that seeks to measure the performance of the 500 largest companies headquartered in the United States. The Index is unmanaged.

US Aggregate Bond represented by the 50 biggest open-ended funds (mutual funds and ETFs) based on assets under management (AUM) in the Intermediate Core Bond category. Intermediate-term core bond portfolios invest primarily in investment-grade US fixed-income issues, including government, corporate, and securitized debt, and hold less than 5% in below-investment-grade exposures.

IMPORTANT INFORMATION

US Mid Value represented by the biggest ETFs based on AUM in the US Mid Value category.

US Momentum represented by ETFs that we believe use a momentum-based strategy to manage its portfolio. Momentum defined as buying securities that have had high returns over a recent period and selling those that have had poor returns over the same period. Funds selected based on the appearance of “momentum” in the security’s name and a portfolio that predominantly invests in US securities.

US Small Value represented by the biggest ETFs based on AUM in the US Small Value category.

US Value represented by the 50 biggest ETFs based on assets under management in the US Large (top 70% stocks by market cap), Mid-Cap (middle 20%), and Small (bottom 10%) Value categories.

RBICS Economies Definitions

Business Services is composed of companies that offer services targeted toward businesses, including administrative, support, janitorial, and professional services.

Consumer Services is composed of companies that offer services targeted toward individuals, including accommodation; food and beverage retail; gaming, arts, entertainment and recreation; and television, radio, film, and print media.

Consumer Cyclical is composed of companies that offer products targeted toward individual or household use, including apparel, toys, school and art supplies, and electronics; motor vehicle sales and rental, and automotive parts and services; building materials, garden supplies, furniture, appliances, cabinetry, window treatments, and carpets.

Energy is composed of companies that primarily engage in oil and gas exploration and production, pipeline transportation, refineries, and oil and gas equipment and services; leasing, mining and processing of coal and coke; uranium, radium, and vanadium mining.

Finance is composed of companies that offer financial products and services in banking, insurance, investment, specialty finance, and real estate.

Healthcare is composed of companies that offer products and services that are designed, developed, and utilized in the promotion of health and well-being, including medical services, health plans, medical devices, and biopharmaceuticals.

Industrials is composed of companies that offer products and services for industrial use or with applications in aerospace, defense, or security; transportation, construction, and related infrastructure; or farming, including equipment and machinery manufacture, wholesale, rental, and distribution and related support activities.

Non-Energy Materials is composed of companies that offer basic and intermediate material products, including non-energy mining; forestry, timber logging, and lumber production; and chemical, plastic, paper, metal, and textile manufacturing.

Consumer Non-Cyclical is composed of companies that offer products targeted toward individual and consumer needs, including groceries, beverages, health and personal care items, kitchenware, decorative items, and household cleaning products.

Technology is composed of companies that offer semiconductor, electronic, and optics based products and related software and services that directly or indirectly facilitate the creation, transfer, storage, manipulation, or interpretation of data, audio, and video.

Telecommunications is composed of companies that offer services designed to promote or enhance transmission of voice, data, and video over various communications mediums, including cable, satellite, terrestrial-based wireless, and wireline mediums.

Utilities is composed of companies that offer gas, electricity, and water services delivered directly to residential and commercial users.

The Funds are distributed by Quasar Distributors, LLC. The Fund investment advisor is Empowered Funds, LLC, doing business as Alpha Architect.

AA-665129-2025-01-09