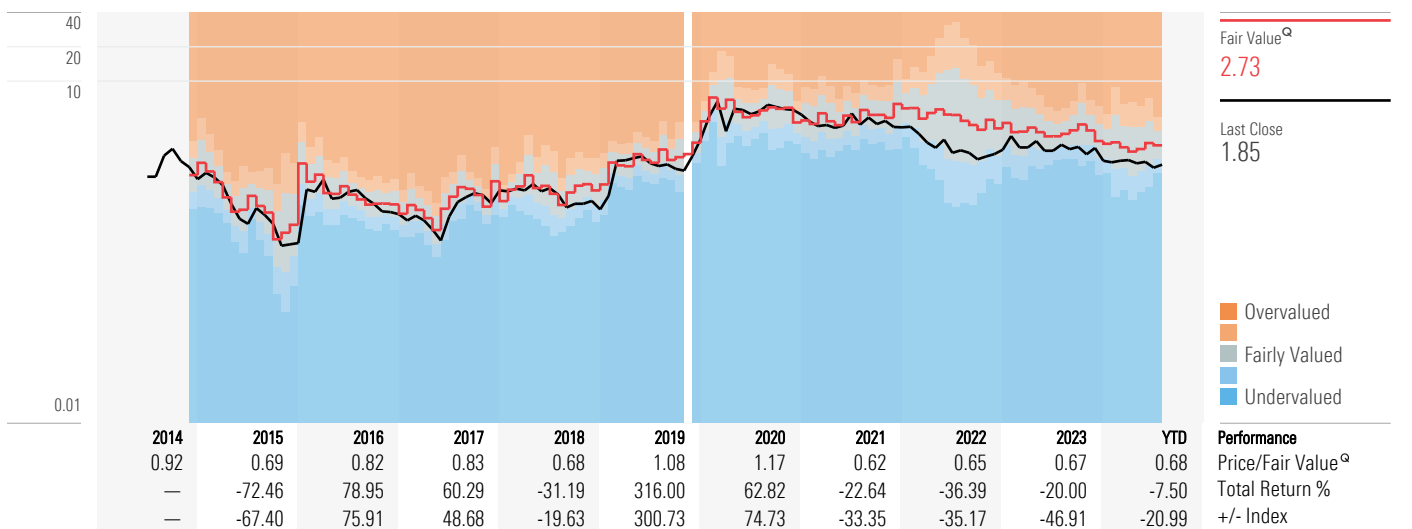


Facephi Biometria SA FACE ★★★ Q 15 Jul 2024, 22:37 UTC

Economic Moat ^Q	Uncertainty ^Q	Price/Fair Value ^Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
None	Very High	0.7	—	—	42.0162 Mil	Small Growth	Technology	Software - Application



As of 15 Jul 2024 | Index: Morningstar Spain GR EUR. Fair Value data as of 15 Jul 2024, 22:37 UTC.

¹The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating. Lee Davidson, Chief Analytics Officer for Morningstar, Inc, oversees the methodology that supports Quantitative Fair Value Estimates and Quantitative Star Ratings. Mr. Davidson is guided by the Morningstar, Inc. Code of Ethics in carrying out his responsibilities. For information regarding Conflicts of Interests, visit <http://global.morningstar.com/equitydisclosures>.

Key Metrics as of 12 Jul 2024

Metrics	Value	Percentile in Sector
Earnings Yield (%)	-11.0	22.0
Sales Yield (%)	64.0	60.0
Book Value Yield (%)	47.7	62.0
Return on Assets (%)*	-11.1	20.0
Revenue(Mil)*	27.4	24.0
Market Value (Mil)	45.8	26.0
Enterprise Value (Mil)	55.8	29.0
EV/MV Ratio	1.2	79.0
Volatility TTM (%)	43.5	62.0
Drawdown TTM (%)	37.7	60.0
Volume (K)	30.0	23.0

*31 Dec 2023

Business Description

Facephi Biometria SA is engaged in developing and marketing face recognition software and mobile biometrics technology. The company's software is used in online banking, mobile banking, social networks, ATM's, single sign-on and automotive sector. Its product offerings include SDK, Selphi, Me and PhiVox. The Company's main activity consists of marketing and implementation of biometric facial recognition software. The company derives majority of the revenue d from the sale of the rights to use (licensing, maintenance and support) of the recognition technology software by facial biometrics.

Valuation ^Q as of 13 Jul 2024

Morningstar maintains a 3-star quantitative star rating for Facephi Biometria, derived from the firm's valuation and uncertainty scores. The company's shares last closed at 1.86, below our quantitative fair value estimate of 2.81. These shares have traded between a 45.75% and 14.08% discount to their fair value estimate over the past year. In Morningstar's equity coverage universe for this methodology, the company's valuation rating lands at the 34th percentile; in the technology sector, the firm's score lies at the 24th percentile (higher percentile indicates more undervalued). Furthermore, Facephi Biometria maintains a quantitative valuation uncertainty rating of Very High. The company has held this star rating since the previous rating of 4, which was last assigned on 11/01/2023. The uncertainty rating for Facephi Biometria has remained Very High since the previous rating of Extreme, which was last assigned on 07/03/2024.

The key factors behind these ratings are the company's earnings yield and drawdown. The earnings yield is -10.96%, and its maximum trailing 12-month maximum drawdown is 48.14%. The earn-

ings yield falls at the 22nd percentile in the technology sector while the drawdown is at the 60th percentile. Over the past year, the company's earnings yield has been between -12.00% and 3.56%; its drawdown has ranged between 33.24% and 48.14%.

Economic Moat ^Q as of 15 Jul 2024

With a Morningstar quantitative moat rating of None, the quantitative moat score for Facephi Biometria falls at the 35th percentile in the technology sector and at the 34th in the equity coverage universe. The company has maintained its None quantitative moat rating since after 02/13/2024, when it was downgraded from Narrow. We also assign a Moderate quantitative financial health rating to Facephi Biometria. The company's raw score on this metric, termed Distance to Default, ranks at the 19th percentile overall and in the technology sector. Furthermore, this financial health rating has stayed Moderate over the last year. Supporting these ratings are the company's book value yield and enterprise value-to-market value ratio. The book value yield of 47.70%, ranks at the 43rd percentile in the covered equity universe and at the 62nd percentile among its peers. Meanwhile, its enterprise value-to-market value ratio of 1.22, falls at the 66th percentile in the universe and the 79th percentile in the technology sector.

Fundamentals as of 13 Jul 2024

Facephi Biometria maintains losses per share of -0.2. The company further earns a return on invested capital of -12.61%. These values are calculated over a trailing 12-month period.

Contact

Avenda Mexico, Alicante, — 03008

Facephi Biometria SA FACE ★★★ Q 15 Jul 2024, 22:37 UTC

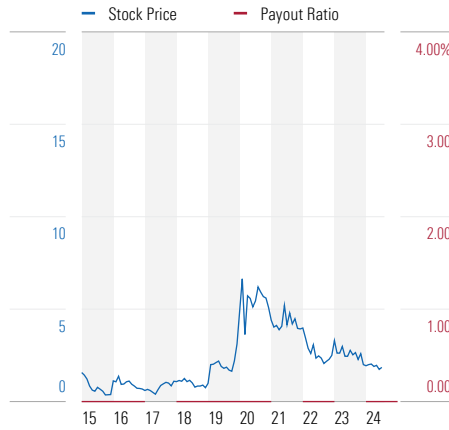
Economic Moat ^Q	Uncertainty ^Q	Price/Fair Value ^Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
None	Very High	0.7	—	—	42.0162 Mil	Small Growth	Technology	Software - Application

Earnings as of 12 Jul 2024

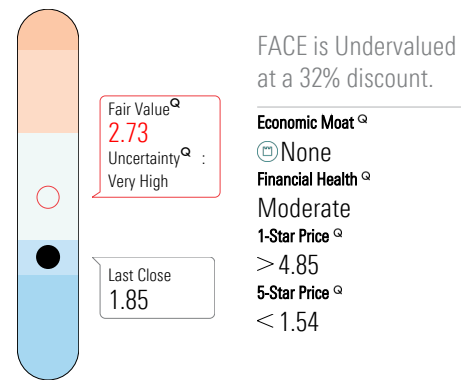
Earnings	%	■ Percentile in Sector
Dividend Yield*	—	—
Payout Ratio*	—	—
Price to Earnings	—	—
Price to Cash Flow	—	—
ROIC**	-12.6	20.0

*—
**31 Dec 2023

Dividends as of 15 Jul 2024



Valuation ^Q as of 15 Jul 2024



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<https://www.facephi.com>

Financials as of 15 Jul 2024 (Fiscal Year End 31 Dec 2023)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	YTD	Fiscal
Revenue (Mil)	0.03	0.41	2.01	2.70	4.48	8.19	7.27	13.16	22.28	25.15	25.15	Revenue (Mil)
Operating Income (K)	-933	-698	-963	-1,080	943	2,687	121	-412	2,584	-4,068	-4,068	Operating Income (K)
Operating Margin (%)	-2888	-171	-47.97	-40.0	21.05	32.79	1.66	-3.13	11.6	-16.17	-16.17	Operating Margin (%)
Net Income (K)	-1,059	-794	-64	365	1,167	1,288	-1,855	-554	1,107	-4,310	-4,310	Net Income (K)
Diluted Earnings/Share	-0.11	-0.07	0.00	0.03	0.09	0.10	-0.13	-0.04	0.06	-0.20	-0.20	Diluted Earnings/Share
Operating Cash Flow (K)	—	—	-146	-1,241	252	-192	1,433	-3,604	-5,819	853	853	Operating Cash Flow (K)
Capital Spending (K)	—	—	-10	-388	-503	-817	-2,294	-2,551	-2,065	-9,862	-9,862	Capital Spending (K)
Free Cash Flow (K)	—	—	-156	-1,630	-251	-1,008	-861	-6,155	-7,884	-9,009	-9,009	Free Cash Flow (K)
Avg Shares Outstand(Mil)	9.62	11.94	13.14	13.13	13.10	13.44	14.37	15.02	17.28	21.13	21.13	Avg Shares Outstand(Mil)

Valuation as of 15 Jul 2024

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar
Price/Fair Value ^Q	0.92	0.69	0.82	0.83	0.68	1.08	1.17	0.62	0.65	0.67	0.68	Price/Fair Value ^Q
Price/Sales	—	27.06	5.46	14.67	2.99	8.90	7.25	6.60	2.37	1.48	1.55	Price/Sales
Price/Earnings	—	—	735.14	—	24.40	38.64	62.75	—	256.02	—	—	Price/Earnings
Price/Cash Flow	—	—	—	—	29.70	—	706.53	63.52	—	—	45.82	Price/Cash Flow
Price/Book	32.74	20.62	12.40	61.13	11.83	23.04	14.90	7.74	4.22	3.40	2.09	Price/Book

Operating Performance as of — (Fiscal Year End 31 Dec 2023)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Q3	Fiscal (%)
Return on Assets	-121	-65.42	-2.89	9.79	21.22	14.55	-13.54	-3.2	4.37	-11.06	—	Return on Assets
Return on Equity	-884	-223	-9.33	32.61	58.81	36.97	-32.3	-7.01	9.25	-24.45	—	Return on Equity
Rtn on Invested Capital	-136	-82.35	-4.27	19.17	29.98	22.05	-17.55	-2.07	7.01	-12.61	—	Rtn on Invested Capital

Dividends as of —

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar (%)
Dividend Per Share	—	—	—	—	—	—	—	—	—	—	—	Dividend Per Share
Trailing Dividend Yield	—	—	—	—	—	—	—	—	—	—	—	Trailing Dividend Yield
Buyback Yield	—	—	—	—	—	—	—	—	—	—	0.02	Buyback Yield

Appendix

Economic Moat [®]History as of 15 Jul 2024 (No Moat: 0.00-0.70, Narrow Moat: 0.70-0.99, Wide Moat: 0.99-1.00)

Year	January	February	March	April	May	June	July	August	September	October	November	December
2024	0.71	0.41	0.34	0.57	0.56	0.31	0.28	—	—	—	—	—
2023	0.71	0.51	0.38	0.47	0.45	0.36	0.52	0.48	0.55	0.56	0.54	0.77
2022	0.80	0.63	0.74	0.58	0.72	0.76	0.73	0.62	0.65	0.73	0.73	0.73
2021	0.60	0.64	0.66	0.70	0.67	0.71	0.47	0.54	0.41	0.55	0.40	0.75
2020	0.77	0.76	0.61	0.71	0.62	0.66	0.50	0.61	0.45	0.65	0.59	0.56
2019	0.62	0.72	0.73	0.76	0.85	0.82	0.84	0.72	0.68	0.71	0.73	0.67

Quantitative Equity Report Overview

The quantitative report on equities consists of data, statistics and quantitative equity ratings on equity securities. Morningstar, Inc.'s quantitative equity ratings are forward looking and are generated by a statistical model that is based on Morningstar Inc.'s analyst-driven equity ratings and quantitative statistics. Given the nature of the quantitative report and the quantitative ratings, there is no one analyst in which a given report is attributed to; however, Mr. Lee Davidson, Head of Quantitative Research for Morningstar, Inc., is responsible for overseeing the methodology that supports the quantitative equity ratings used in this report. As an employee of Morningstar, Inc., Mr. Davidson is guided by Morningstar, Inc.'s Code of Ethics and Personal Securities Trading Policy in carrying out his responsibilities.

Quantitative Equity Ratings

Morningstar's quantitative equity ratings consist of: (i) Quantitative Fair Value Estimate, (ii) Quantitative Star Rating, (iii) Quantitative Uncertainty, (iv) Quantitative Economic Moat, and (v) Quantitative Financial Health (collectively the "Quantitative Ratings").

The Quantitative Ratings are calculated daily and derived from the analyst-driven ratings of a company's peers as determined by statistical algorithms. Morningstar, Inc. ("Morningstar", "we", "our") calculates Quantitative Ratings for companies whether or not it already provides analyst ratings and qualitative coverage. In some cases, the Quantitative Ratings may differ from the analyst ratings because a company's analyst-driven ratings can significantly differ from other companies in its peer group.

i. **Quantitative Fair Value Estimate:** Intended to represent Morningstar's estimate of the per share dollar amount that a company's equity is worth today. Morningstar calculates the Quantitative Fair Value Estimate using a statistical model derived from the Fair Value Estimate Morningstar's equity analysts assign to companies. Please go to <http://global.morningstar.com/equitydisclosures> for information about Fair Value Estimate Morningstar's equity analysts assign to companies.

ii. **Quantitative Economic Moat:** Intended to describe the strength of a firm's competitive position. It is calculated using an algorithm designed to predict the Economic Moat rating a Morningstar analyst would assign to the stock. The rating is expressed as Narrow, Wide, or None.

Narrow – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 70% but less than 99%.

Wide – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 99%.

None – assigned when the probability of an analyst receiving a "Wide Moat" rating by an analyst is less than 70%.

iii. **Quantitative Star Rating:** Intended to be the summary rating based on the combination of our Quantitative Fair Value Estimate, current market price, Quantitative Uncertainty Rating, and momentum. The rating is expressed as One-Star, Two-Star, Three-Star, Four-Star, and Five-Star.

★ – the stock is overvalued with a reasonable margin of safety.

*Log (Quant FVE/Price) < -1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) < -1.5*Quantitative Uncertainty*

★★ – the stock is somewhat overvalued.

*Log (Quant FVE/Price) between (-1*Quantitative Uncertainty, -0.5*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-1.5*Quantitative Uncertainty, -0.75*Quantitative Uncertainty)*

★★★ – the stock is approximately fairly valued.

*Log (Quant FVE/Price) between (-0.5*Quantitative Uncertainty, 0.5*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-0.75*Quantitative Uncertainty, 0.75*Quantitative Uncertainty)*

★★★★ – the stock is somewhat undervalued.

*Log (Quant FVE/Price) between (0.5*Quantitative Uncertainty, 1*Quantitative*

Uncertainty)

*Micro-Caps: Log (Quant FVE/Price) between (0.75*Quantitative Uncertainty, 1.5*Quantitative Uncertainty)*

★★★★★ – the stock is undervalued with a reasonable margin of safety.

*Log (Quant FVE/Price) > 1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) > 1.5*Quantitative Uncertainty*

After the initial calculation for the star rating, there is a final filtering step based on the momentum of the company. We rank the companies based on their 12-1 month momentum, then restrict those below the 30th percentile to a maximum of 3 stars.

iv. **Quantitative Uncertainty:** Intended to represent Morningstar's level of uncertainty about the accuracy of the Quantitative Fair Value Estimate. Generally, the lower the Quantitative Uncertainty, the narrower the potential range of outcomes for that particular company. The rating is expressed as Low, Medium, High, Very High, and Extreme.

Low – the interquartile range for possible fair values is less than 10%

Medium – the interquartile range for possible fair values is less than 15% but greater than 10%

High – the interquartile range for possible fair values is less than 35% but greater than 15%

Very High – the interquartile range for possible fair values is less than 80% but greater than 35%

Extreme – the interquartile range for possible fair values is greater than 80%

v. **Quantitative Financial Health:** Intended to reflect the probability that a firm will face financial distress in the near future. The calculation uses a predictive model designed to anticipate when a company may default on its financial obligations. The rating is expressed as Weak, Moderate, and Strong.

Weak – assigned when Quantitative Financial Health < 0.2

Moderate – assigned when Quantitative Financial Health is between 0.2 and 0.7

Strong – assigned when Quantitative Financial Health > 0.7

Other Definitions

i. **Last Close** – Price of the stock as of the close of the market of the last trading day before date of the report.

ii. **Quantitative Valuation** – Using the below terms, intended to denote the relationship between the security's **Last Price** and Morningstar's quantitative fair value estimate for that security.

Undervalued – Last Price is below Morningstar's quantitative fair value estimate.

Fairly Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

Fairly Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

Overvalued – Last Price is above Morningstar's quantitative fair value estimate.

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The ESG Risk Rating Assessment is a visual representation of Sustainalytics ESG Risk Categories on a 1 to 5 scale. Companies with Negligible Risk = 5 Globes, Low Risk = 4, Medium Risk = 3 Globes, High Risk = 2 Globes, Severe Risk = 1 Globe. For more information, please visit sustainalytics.com/esg-ratings/

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