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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 14A  
(RULE 14a-101)

SCHEDULE 14A INFORMATION

PROXY STATEMENT PURSUANT TO SECTION 14(a) OF THE SECURITIES  
EXCHANGE ACT OF 1934  
(AMENDMENT NO. )

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, For Use of the Commission Only (as Permitted by Rule 14a-6(e)(2))
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material under §240.14a-12

**EMCORE Corporation**  
(Name of Registrant as Specified In Its Charter)

**Mobix Labs, Inc.**  
(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

**Payment of Filing Fee (Check the appropriate box):**

- No fee required
  - Fee paid previously with preliminary materials.
  - Fee computed on table in exhibit required by Item 25(b) per Exchange Act Rules 14a6(i)(1) and 0-11.
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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): **September 30, 2024**

**MOBIX LABS, INC.**  
(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-40621**  
(Commission File Number)

**98-1591717**  
(IRS Employer  
Identification No.)

**15420 Laguna Canyon Road, Suite 100**  
**Irvine, California**  
(Address of principal executive offices)

**92618**  
(Zip Code)

Registrant's telephone number, including area code: **(949) 808-8888**

**N/A**  
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Class A Common Stock, par value \$0.00001 per share	MOBX	Nasdaq Global Market
Redeemable warrants, each warrant exercisable for one share of Class A Common Stock	MOBXW	Nasdaq Capital Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

### Item 8.01 Other Events.

On September 30, 2023, Mobix Labs, Inc. (“Mobix”) issued a press release announcing that it has submitted a non-binding proposal to acquire all of the outstanding shares of EMCORE Corporation (“Emcore”). A copy of the press release is attached hereto as Exhibit 99.1 and incorporated herein by reference.

### No Offer or Solicitation

This document shall not constitute an offer to sell or the solicitation of an offer to buy any securities, nor shall there be any sale of securities in any jurisdiction in which the offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such jurisdiction. No offering of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the U.S. Securities Act of 1933, as amended.

### Additional Information and Where to Find It

This communication does not constitute an offer to buy or solicitation of an offer to sell any securities. This communication relates to a proposal that Mobix has made for a business combination transaction with Emcore. In furtherance of this proposal and subject to future developments, Mobix (and, if a negotiated transaction is agreed to, Emcore) may file one or more registration statements, proxy statements, tender offer statements or other documents with the Securities and Exchange Commission (the “SEC”). This communication is not a substitute for any proxy statement, registration statement, tender offer statement, prospectus or other document Mobix and/or Emcore may file with the SEC in connection with the proposed transaction. INVESTORS AND SECURITY HOLDERS OF MOBIX AND EMCORE ARE URGED TO READ THE PROXY STATEMENT(S), REGISTRATION STATEMENT, TENDER OFFER STATEMENT, PROSPECTUS AND/OR OTHER DOCUMENTS FILED WITH THE SEC CAREFULLY IN THEIR ENTIRETY IF AND WHEN THEY BECOME AVAILABLE AS THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT THE PROPOSED TRANSACTION. Any definitive proxy statement(s) or prospectus(es) (if and when available) will be mailed to stockholders of Mobix and/or Emcore, as applicable. Investors and security holders will be able to obtain free copies of these documents (if and when available) and other documents filed with the SEC by Mobix through the website maintained by the SEC at [www.sec.gov](http://www.sec.gov), and by visiting Mobix’s investor relations site at <https://investors.mobixlabs.com>.

### Participants in the Solicitation

This communication is neither a solicitation of a proxy nor a substitute for any proxy statement or other filings that may be made with the SEC. Nonetheless, Mobix and its directors and executive officers may be deemed to be participants in the solicitation of proxies in connection with the proposed transaction. Information about the directors and executive officers of Mobix is set forth in its amendment number 1 to the registration statement on Form S-1, which was filed with the SEC on August 26, 2024. These documents can be obtained free of charge from the sources indicated above. Additional information regarding the potential participants in the proxy solicitations and a description of their direct and indirect interests, by security holdings or otherwise, will be contained in one or more registration statements, proxy statements, tender offer statements or other documents filed with the SEC if and when they become available.

### Item 9.01 Financial Statements and Exhibits.

#### (d) Exhibits.

Exhibit No.	Description
99.1	<a href="#">Press Release issued by Mobix Labs, Inc. on September 30, 2024.</a>
104	Cover Page Interactive Data File (embedded within the Inline XBRL document).

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: September 30, 2024

**Mobix Labs, Inc.**

By: /s/ Keyvan Samini  
Name: Keyvan Samini  
Title: President and Chief Financial Officer

**Mobix Labs Submits All Cash Offer to Acquire EMCORE Corporation**

Synergistic Acquisition would enhance Mobix Labs' competitive strength in aerospace and defense sector  
Scales operations and cash flow

**IRVINE, Calif.--(BUSINESS WIRE)--Sep. 30, 2024--** Mobix Labs, Inc. (Nasdaq: MOBX) ("Mobix Labs", "Mobix" or the "Company"), a leader in advanced wireless and connectivity solutions for the military and defense sector, today announced it has submitted a compelling non-binding proposal to the Board of Directors of EMCORE Corporation (Nasdaq: EMKR) ("Emcore"), the world's largest independent provider of inertial navigation solutions to the aerospace and defense industry, to acquire all of EMCORE's outstanding shares for \$3.80 per share in cash.

Mobix Labs' all cash proposed offer to the EMCORE Board represents a more than 200% premium over EMCORE's current stock price as of September 27, 2024. Based upon its 2022 and 2023 10-K filings, EMCORE's revenue in its fiscal year ending 9/30/23 grew 115% to \$97 million from the prior year.

EMCORE is a leading supplier of inertial sensors and systems for land, sea, air, and space applications in the aerospace and defense market. "We believe this proposal presents an exceptional opportunity for EMCORE shareholders to realize immediate and significant value for their investment," said Fabian Battaglia, CEO of Mobix Labs. "Our recent strategic acquisitions, including EMI Solutions and RaGE Systems, have significantly strengthened our position in the military, defense, and high-reliability electronics sector," Battaglia added. "We believe integrating EMCORE's products would further accelerate our growth and innovation in critical markets."

Mobix Labs is led by seasoned industry veterans, including Board of Directors members James Peterson, former CEO and Chairman of Microsemi, and David Aldrich, former CEO and Chairman of Skyworks Solutions.

**Transaction Details**

Mobix Labs' proposal has the support of its Board of Directors. Mobix Labs' all cash offer is subject to the approval of the EMCORE Board of Directors, the execution of a definitive agreement between Mobix Labs and EMCORE, and any shareholder approval that may be required by law.

**About Mobix Labs, Inc.**

At Mobix Labs, we're committed to transforming connectivity by partnering closely with our customers to deliver advanced semiconductor and wireless systems solutions tailored to their needs. Based in Irvine, California, we specialize in four key areas; EMI Interconnect Solutions for secure aerospace and GPS systems, Active Optical Cables (AOC) for high-speed AI datacenter interconnects, 5G IC Solutions for mmWave communications, and Wireless Systems Solutions, including joint design and manufacturing services for RF technologies, serving customers in 5G, radar, and imaging sensors. Through deep collaboration and innovation, we're shaping the future of connectivity. Visit [mobixlabs.com](http://mobixlabs.com) and follow us on LinkedIn.

Mobix Labs, the logo, and SMART™ Edge Device are among the trademarks of Mobix Labs. Other trademarks are the property of their respective owners.

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## Forward-looking Information

This press release and the related earnings call contain “forward-looking statements” regarding the intent, beliefs or current expectations of the Company for purposes of the federal securities laws. These forward-looking statements include, but are not limited to, statements regarding Mobix Labs, Inc. and Mobix Labs, Inc.’s management team’s expectations, hopes, beliefs, intentions or strategies regarding the future. The words “anticipate,” “believe,” “continue,” “could,” “estimate,” “expect,” “intends,” “may,” “might,” “plan,” “possible,” “potential,” “predict,” “project,” “should,” “will,” “would,” “poised” and similar expressions may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking. Forward-looking statements in this presentation and discussion may include, for example, statements regarding our proposal to acquire EMCORE, the value to EMCORE shareholders, the expected per-share price, and the expected synergies and operations of the companies on a combined basis. These forward-looking statements are based on information available as of the date of this presentation and discussion, and current expectations, forecasts and assumptions, and involve a number of judgments, risks and uncertainties. Accordingly, forward-looking statements should not be relied upon as representing our views as of any subsequent date, and we undertake no obligations to update forward-looking statements to reflect events or circumstances after the date they were made, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws.

As a result of a number of known and unknown risks and uncertainties, our actual results or performance may be materially different from those expressed or implied by these forward-looking statements. Some factors that could cause actual results to differ include the outcome of discussions between Mobix Labs and EMCORE with respect to a proposed transaction, including the possibility that the parties may not agree to pursue a business combination or that the terms of any transaction will be materially different from those described herein; our ability to consummate the proposed acquisition or achieve the expected synergies and/or efficiencies; our ability to consummate the financing to acquire the EMCORE shares; potential regulatory delays; the industry and market reaction to our proposal to acquire EMCORE; the effect of the announcement of the proposed transaction on the ability of Mobix Labs and EMCORE to operate their businesses and retain and hire key personnel and to maintain favorable business relationships; the possibility that the integration of EMCORE may be more difficult, time-consuming or costly than expected or that operating costs and business disruptions may be greater than expected; the risk that the price of our securities may be volatile due to a variety of factors, including changes in the highly competitive industries in which we operate, variations in performance across competitors, changes in laws, regulations, technologies, the global supply chain, and macro-economic and social environments affecting our business; our ability to regain compliance and maintain our listing of securities on Nasdaq; the risks concerning our ability to continue as a going concern; the inability to meet future capital requirements and risks related to our ability to raise additional capital including potential dilution to our stockholders; the risk that we are unable to successfully commercialize our products and solutions, or experience significant delays in doing so; the risk that we may not be able to generate income from operations in the foreseeable future; the risk that we experience difficulties in managing our growth and expanding operations; the risk that we may not be able to consummate planned strategic acquisitions, or fully realize anticipated benefits or capture synergies from past or future acquisitions or investments; the risk that we may be unable to successfully defend ourselves in ongoing litigation or that additional actions may be commenced against us; the risk that our patent applications may not be approved or may take longer than expected, and we may incur substantial costs in enforcing and protecting our intellectual property; the risk of being an early stage company and that our limited operating history may make it difficult to evaluate our future prospects and the risks and challenges that we may encounter; the risk that we cannot predict whether we will maintain revenue growth; the risk that the markets for our products and solutions are highly competitive; the risk that future sales of our Class A Common Stock may cause the market price of our Class A Common Stock to drop significantly, even if our business is doing well; and inflation and unfavorable global economic conditions could adversely affect our business. In addition, these forward-looking statements and the information in this press release are qualified in their entirety by cautionary statements and risk factor disclosures contained in the Company’s Securities and Exchange Commission (“SEC”) filings, including the Company’s prospectus filed on August 29, 2024, its Quarterly Report on Form 10-Q for the quarter ended June 30, 2024, its Quarterly Report on Form 10-Q for the quarter ended March 31, 2024 and any subsequent SEC filings. All forward-looking statements in this press release are based on information available to us on the date hereof, and we assume no obligation to update such statements.

**No Offer or Solicitation**

This press release shall not constitute an offer to sell or the solicitation of an offer to buy any securities, nor shall there be any sale of securities in any jurisdiction in which the offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such jurisdiction. No offering of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the U.S. Securities Act of 1933, as amended.

This press release is also not a solicitation of a proxy nor a substitute for any proxy statement or other filings that may be made with the SEC. Nonetheless, Mobix Labs and its directors and executive officers may be deemed to be participants in the solicitation of proxies in connection with the proposed transaction. Information about the directors and executive officers of Mobix Labs is set forth in the prospectus filed with the SEC on August 29, 2024. These documents can be obtained free of charge from the sources indicated above. Additional information regarding the potential participants in the proxy solicitations and a description of their direct and indirect interests, by security holdings or otherwise, will be contained in one or more proxy statements, or other documents filed with the SEC if and when they become available.

**Additional Information and Where to Find It**

This press release relates to a proposal that Mobix Labs has made to acquire EMCORE. In furtherance of this proposal and subject to future developments, Mobix Labs and EMCORE may file one or more proxy statements or other documents with the SEC. This press release is not a substitute for any proxy statement or other document Mobix Labs and/or EMCORE may file with the SEC in connection with the proposed transaction. INVESTORS AND SECURITY HOLDERS OF MOBIX LABS AND EMCORE ARE URGED TO READ THE PROXY STATEMENT(S), AND/OR OTHER DOCUMENTS FILED WITH THE SEC CAREFULLY IN THEIR ENTIRETY IF AND WHEN THEY BECOME AVAILABLE AS THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT THE PROPOSED TRANSACTION. Any definitive proxy statement(s) (if and when available) will be mailed to security holders of Mobix Labs and/or EMCORE, as applicable. Investors and security holders will be able to obtain free copies of these documents (if and when available) and other documents filed with the SEC by Mobix Labs through the website maintained by the SEC at [www.sec.gov](http://www.sec.gov), and by visiting Mobix Labs' investor relations site at <https://investors.mobixlabs.com>.

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Source: Mobix Labs, Inc.