POET Technologies

Al Datacom Hardware • NASDAQ: POET

Prepared By: Mr.SPY



Latest Info

POET secures record \$75M deal to boost AI photonics and optical tech. \$75M investment propels POET's AI hardware and photonics expansion. POET's biggest funding fuels R&D, AI optics, and global market growth. Historic \$75M boost powers POET's AI optical interconnect ambitions. Investor confidence surges as POET raises \$75M for Al-driven growth.

Executive Snapshot





Manufacturing

Partners

POET builds optical interposers and optical engines that replace legacy photonics assembly with wafer-level, high-volume semiconductor-style manufacturing. Target markets: AI clusters, data centers, telecom.

Technology (Layman's Terms)

Short explainer for non-technical readers: POET makes tiny chips that use light instead of copper to move huge amounts of data much faster and with less heat.

- **Optical Interposer** combines lasers, waveguides and electronics on one chip.
- Wafer-level assembly builds hundreds of units at once, lowering cost and improving yield.
- **Speeds** modules at 800G, 1.6T and designs up to 3.2T per module.

Products & Customers

POET Product	Module Maker	End User	Application
800G / 1.6T Optical Engines	Foxconn	China Mobile	Al Systems
800G Engines	Luxshare	Google, Tencent	Al Systems
Starlight™ Light Source	Celestial Al	NVIDIA, Samsung	Al Systems
Wavelight™ Optical Module	Direct	Cisco, China Telecom	Al Clusters

POET Product	Module Maker	End User	Application
400G LR4 Module	ADVA	Meta, China Telecom	Datacom

Wisual Timeline

2022	2023	2024	2H 2024	2025
CWDM4 demo	15 engines released	800G modules & 200G/lane	1.6T engine planned	Malaysia production ramp

🏅 Awards & Recognition

- Breakthrough Award 2024 Best Optical Al Solution
- Merit Awards Al Innovator of the Year (Gold)
- Global Tech Awards Best in Artificial Intelligence

| Competitor Landscape (simple)

POET competes in a fragmented market where integration and new manufacturing approaches win share rapidly.

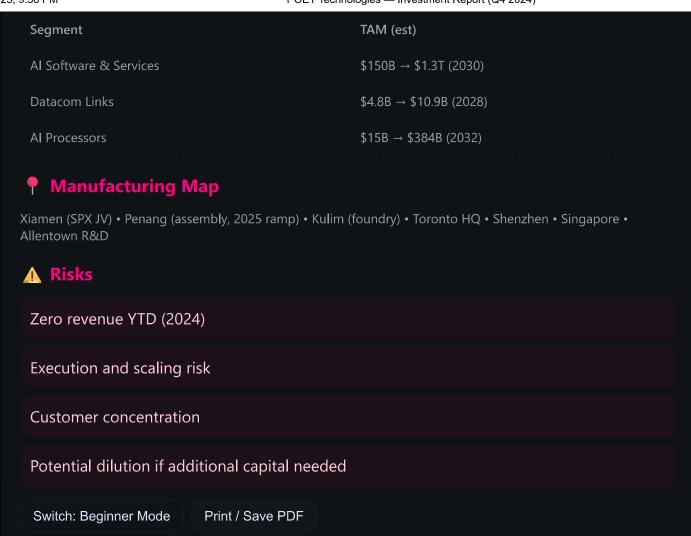
- **POET** Full chip-scale integration (wafer-level)
- Intel, Cisco, Coherent Partial integration, large incumbents
- HGTECH, Huawei, Accelink Conventional multi-chip board designs

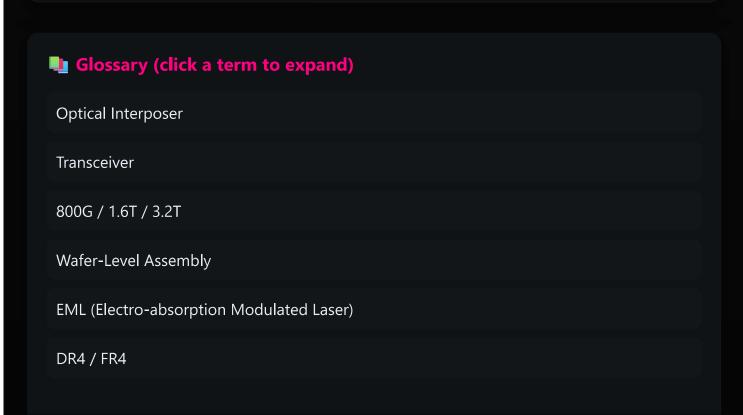
Financial Snapshot

Dec 5, 2024

Total Cash \$58M	Working Capital	
Quarterly Burn		\$4.4M
Capital Raised (2024)		\$81M (33M shares)
Market Cap		\$368M
Share Price Range		\$0.77 – \$5.83
Fully Diluted		105.33M shares

Market Opportunity



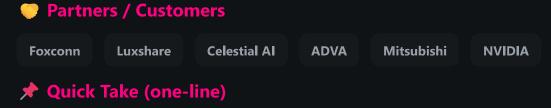


Note: figures and relationships taken from POET Q4 2024 presentation.

SPX
TAM (Total Addressable Market)
CAGR (Compound Annual Growth Rate)

Leadership Highlights

- Dr. Suresh Venkatesan CEO & Chairman. Inventor; ex-GlobalFoundries.
- Thomas Mika EVP & CFO. Led IPO and capital raises.
- Raju Kankipati CRO. Ex-MACOM, Arista, Cisco.
- **Dr. Mo Jinyu** SVP & GM Asia. Long photonics career in APAC.



POET is a high-upside, execution-sensitive micro-cap with differentiated photonics integration and strong partner validation; watch production scale, cash runway and design wins.

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