



柏騰科技
Paragon Technologies

Paragon (3518TW)

Investor Conference

2024 / 12 / 02

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CONTENTS

01

公司簡介 Company Overview

02

財務資訊 Financial Information

03

SiC產品營運說明
progress report For SiC factory

04

營運展望
Operating status

05

資訊交流 Q&A



Company Overview

Paragon_(3518TW)

Paragon was established in 1995 as the world's first company to apply vacuum sputtering thin film technology to EMI/ESD solutions for 3C products. It is also the first vacuum sputtering technology company listed on the Taiwan Stock Exchange.company.

- ◆ Establishment : 1995.10.20
- ◆ Capital : NTD 960 Million
- ◆ Chairman : Mr. Kenny, huang
- ◆ General manager : Ms. Cathy, Yu
- ◆ Main of products :
 - EMI 〈 Electromagnetic Interference 〉 – 95%
 - PVD appearance coating– 5%

About Paragon



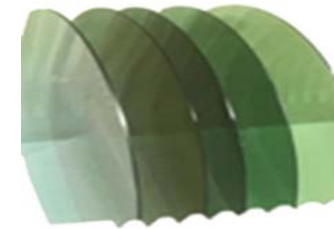
Taiwan HQ & RD Center

- Established: 1995 year
- Capital: 960 million (NTD)



EMI sputtering & PVD appearance coating

- Suzhou Factory (3C)
 - Nanjing Factory / Neijiang Factory (EMI)
- The leading company of EMI suppliers in Notebook Market, 50% of market share, Annual shipments of 50 million.



Silicon carbide products

- Nankan Factory (2023.1)
 - Chiayi Factory (building)
- 6 ~8 inches Silicon Carbide (SiC) Wafer

Development history

As the world's first company to apply vacuum sputtering thin film technology to EMI/ESD solutions for 3C products. The leading company of EMI suppliers in Notebook Market, 50% of market share. One of the few in the industry with EMI manufacturing, PVD equipment and process design capabilities. In 2022, it will acquire Jingcheng Materials, which owns SiC (silicon carbide) wafer production technology. In 2024, the first 8-inch SiC substrate factory will be built in Chiayi.



The world's first company to apply vacuum sputtering thin film technology to EMI/ESD solutions for 3C.

1995



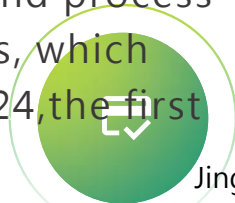
Taiwan's first listed vacuum sputtering technology company, the largest supplier of NB anti-EMI

2007



Developed more advanced and environmentally friendly coating technology for 3C appearance

2019



Jingcheng Materials Company successfully produced 6-inch high-quality 4H-SiC silicon carbide crystal.

2022



Produced the first P-level N-Type 4H 8-inch SiC substrate that meets international certification standards. Chiayi 8-inch SiC substrate factory is under construction

2024



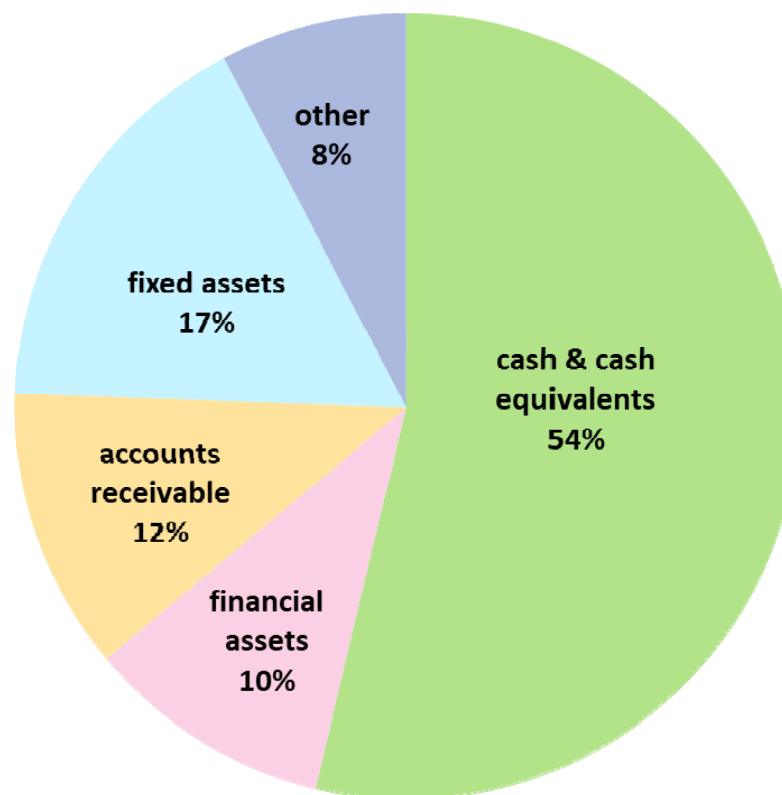
Financial Information

Q3 24' Consolidated Balance

Unit in NT\$ Million

	2024.9.30	%	2023.12.31	%	2023.09.30	%
cash& cash equivalents	1,212	54	801	51	508	30
Financial assets-current&noncurrent	228	10	58	4	445	27
Notes and accounts receivable	265	12	279	18	294	18
Inventories	19	1	22	1	7	0
non-liquid asset in suspense	10	0	0	0	0	0
Fixed Assets & Right-of-use asset	378	18	314	20	312	19
Other Assets	145	6	87	6	111	6
Total Assets	2,257	100	1,561	100	1,678	100
Short-term loans & current portion of longterm loans payable	211	9	194	12	184	11
other payables	76	3	72	5	73	4
bonds payable	283	13	0	0	0	0
long-term debt payable	31	1	5	0	6	0
other liabilities	156	7	64	4	78	5
Total Liabilities	756	34	336	21	340	20
Total Owners' Equity	1,501	66	1,226	79	1,338	80
Net Worth Per Share	15.48		14.59		15.28	

Q3 24' Financial Structure



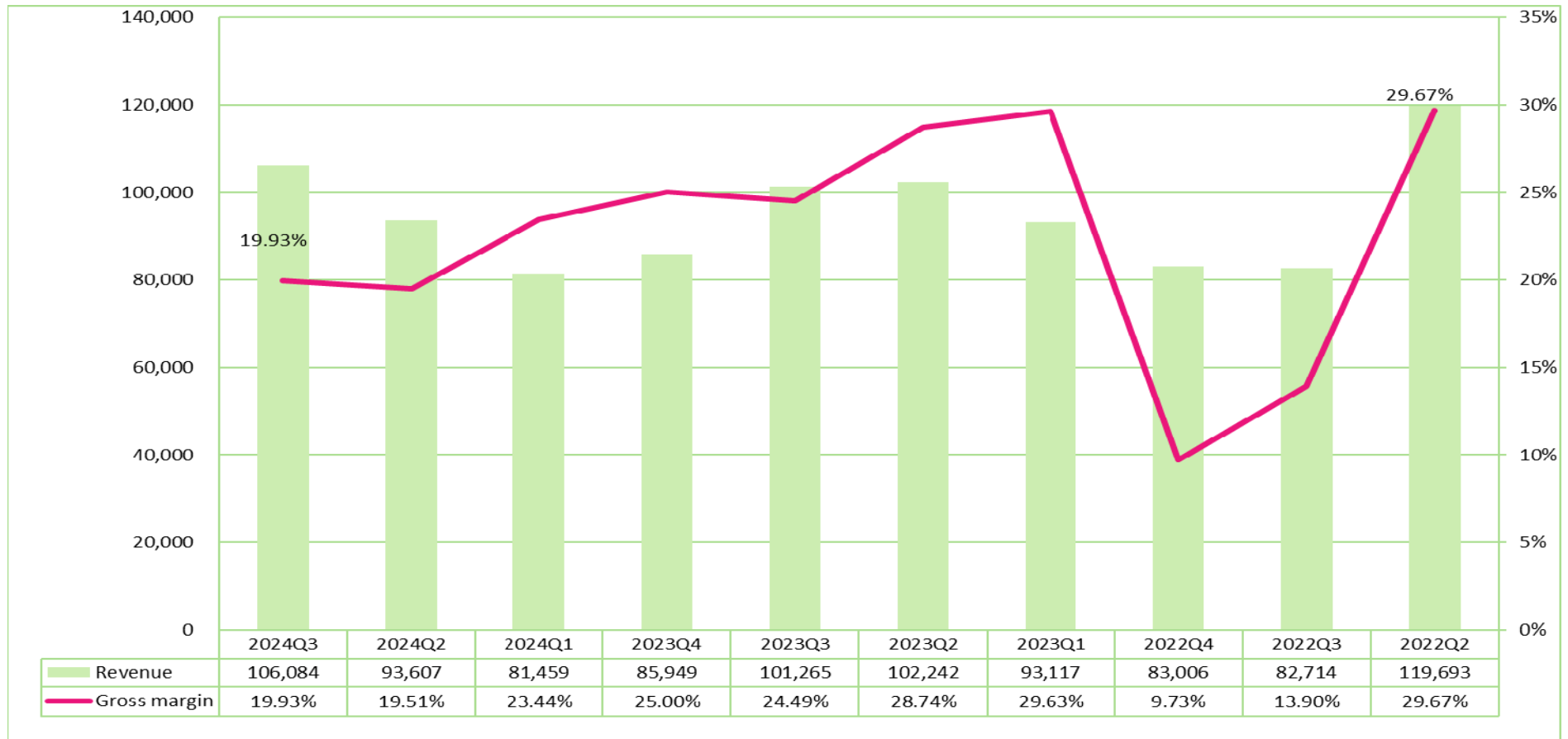
ITEM	2024.Q3	2023	2022	2021	2020
Debt Ratio	33.51	21.49	16.30	24.54	37.12
Current Ratio	549.97	395.27	606.50	377.86	185.25
Cash flow Ratio	(29.64)	(17.17)	63.32	31.54	(1.05)

2024Q3 Consolidated income statement

Unit in NT\$ Million

ITEM	2024Q3	2024Q2	QoQ%	2023Q3	QoQ%
operating revenue	93	94	(1)	96	(3)
Gross Profit	12	18	(33)	27	(54)
operating expenses	69	51	36	38	83
Operating Profit	(57)	(33)	(75)	(11)	(418)
non-operating revenue and expenses	(4)	3	(233)	2	(285)
continuing operating income before tax	(61)	(30)	(106)	(9)	(588)
income tax expense	2	16	(89)	1	(52)
continuing operating income after tax	(63)	(46)	(38)	(10)	(526)
discontinued operation income	(1)	0	0	(4)	67
Net Income	(64)	(46)	(41)	(14)	(349)
Gross margin(%)	13	20		28	
Net profit margin(%)	(69)	(49)		(15)	
EPS	(0.68)	(0.55)		(0.18)	

Revenue 、 Gross margin



Q3 24' Consolidated Cash Flow

Unit in NT\$ Million

	2024 ended SEP 30	2023 ended SEP 30
Cash provided by (used in) operating activities	(96)	(43)
Cash provided by (used in) investing activities	(226)	(282)
Cash provided by (used in) financing activities	692	(57)
Effects of exchange rate change on cash	40	5
Net increase (decrease) in cash and cash equivalents	411	(378)
Cash and cash equivalents at beginning of year	801	886
Cash and cash equivalents at end of year	\$1,212	\$508

Important events in 113 years

- ◆ Sale of 100% equity of subsidiary Paragon (Suzhou) Technology LTD. ◦ (113.09.18)
- ◆ Chinese subsidiary Zhejiang Paragon Technology Co.,LTD. goes into liquidation ◦ (113.09.18)
- ◆ The first domestic guaranteed convertible corporate bond received full debt payment ◦ (113.8.13)
- ◆ Invested NT\$600 million in Jingcheng Materials Company ◦ (113.8.09)
- ◆ Jingcheng SiC new plant production equipment purchase NT\$270 million ◦ (113.8.09)
- ◆ Cash capital increase: full payment received and capital increase base date ◦ (113.7.10)
- ◆ The shareholders' regular meeting re-elected 7 directors, and the board of directors unanimously elected Mr. Huang Yijun as chairman.(113.6.18)
- ◆ The board of directors approved the annual cash capital increase and the issuance of the first domestic guaranteed convertible corporate bonds.(113.3.13)
- ◆ The company's registered address has been moved to "No. 2, Lane 108, Section 1, Nanshan Road, Luzhu District, Taoyuan City"(113.01.25)
- ◆ Jingcheng SiC' s new plant purchased production equipment for NT\$160 million.(113.01.25)

詳情請參閱柏騰公司網站 (<https://www.pttech.com.tw>) 最新消息公告及公開資訊觀測站(<https://mops.twse.com.tw>) 重大訊息公告。



progress report For dvanced SiC factory

SiC investment plan

- ◆ budget: NT\$899.53 million (first phase)
- ◆ location: Chiayi Dapu Mei Intelligent Industrial Park
- ◆ Main products: 8-inch SiC wafer
- ◆ capacity: 3000PCS/month/50 crystal growth furnaces
- ◆ Maximum capacity: 6000pcs/month/50 crystal growth furnaces

2024H2 (building)

ISO9001及14001Passed/
Pass target customer
certification
Building a new factory and
equipment
Introduction of advanced 8-
inch crystal growth process
equipment

2025 (Factory enabled)

Q1 factory completion
acceptance/Q2 device move in
completed/Q3 equipment trial
mass production preparation/
Q4 new factory officially
launched/Develop non-
automotive product applications
/Annual production capacity
4000pcs

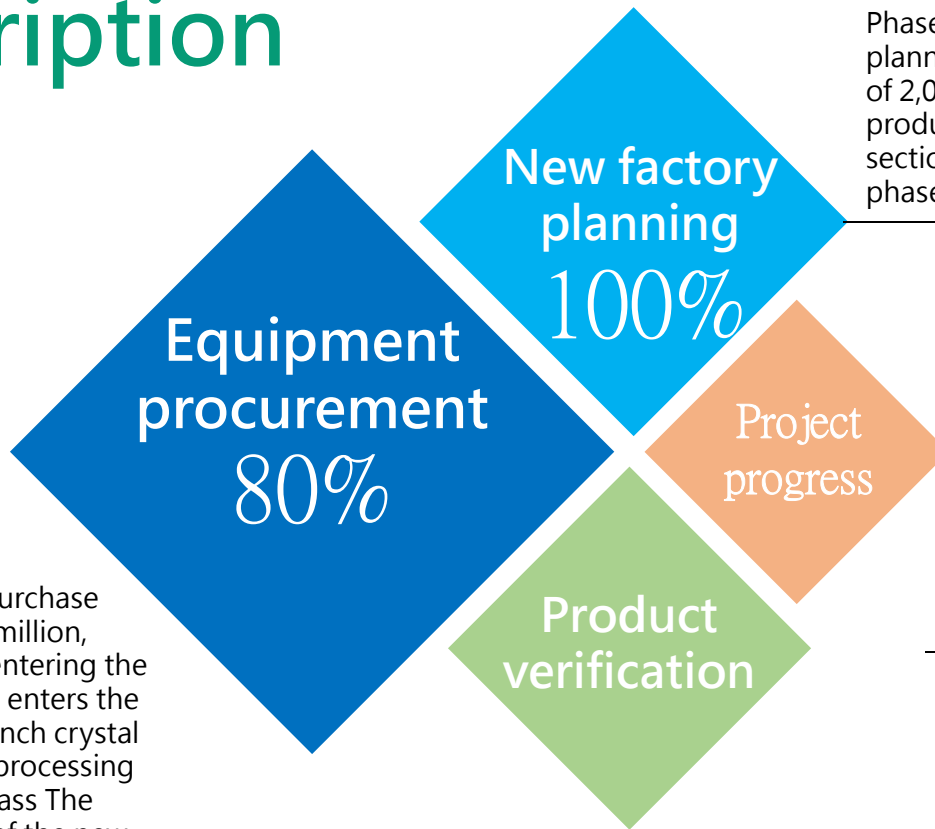
2026 (first phases)

IAIF16949 certification
Passed target automotive
customer certification
Annual production capacity
24,000pcs
Sample delivery to European
and American target
customers
Develop high-end power
product applications

2027 (second phases)

Passed certification from major
European and American
automotive manufacturers
Enter the brand car factory
supply chain
Annual production capacity
36,000pcs
Prepare for the second phase of
expansion of the new plant
Maximum annual production
capacity 72000PCS

8-inch factory progress description



Phase I & II factory design, equipment selection and process planning. The first phase will have a monthly production capacity of 2,000 pieces (2026), and the second phase will have a monthly production capacity of 6,000 pieces (2027). The factory service section meets the needs for expansion in the first and second phases.

In the bidding for factory engineering projects, the overall project is expected to be completed before June 2025, and the equipment will be installed and tested one after another. It is expected to be officially put into operation in Q4 of 2025.

ISO9001 certified/ISO14001 certification in progress
6-inch products passed verification by multiple customers (Taiwan)
8-inch products will be sent to customers for verification at the end of the year (Japan & Taiwan)

The total equipment purchase amount is NT\$335.28 million, It is expected to start entering the factory in Q2 2025, Q2 enters the factory to install 20 8-inch crystal growth furnaces · Q3 processing production line trial mass The production efficiency of the new 8-inch crystal growth furnace is 30% higher than that of the original 6-inch equipment.



Operational status

Operational status

EMI coating products

Global laptop shipments are expected to increase by 4.9% annually in 2025 · Cromebook aspect · Benefiting from North American education projects and emerging market demand, shipment growth momentum will increase to 8% ; It still takes time for production lines in Vietnam, Thailand, India, and Mexico to be completed. China is still the main production base for notebook computers in the world, and the impact on EMI orders is slowing down.

PVD coating technology

Vacuum sputtering (PVD) coating technology has a wide range of applications. Especially in line with the trend of ESG and environmental protection and carbon reduction, PVD coating technology is applied to functional coatings and appearance surface treatments.

- (1)AF coating-NB products.
- (2)Anode-like coating-NB, 3C product
- (3)Functional coating – electronic components, substrates

SiC wafer products

- (1)SiC Ingot
- (2)SiC Wafer
- (3)Wafer epitaxy (EPI Wafer)

The area of 8 inches is 1.8 times larger than that of 6 inches, but the quoted price is about 2 to 3 times that of 6 inches. The cost increase is less than 1.8 times, so it will have better profitability.

SiC wafer processing services

- (1)6~8 inch SiC wafer processing
- (2)SiC Reclaim wafer

The new factory has a complete wafer processing production line, with a monthly processing capacity of up to 7,200 wafers. It provides wafer processing for domestic 6-inch and 8-inch long wafer fabs and SiC reclaimed wafer (Reclaim) services for epitaxy fabs nearby.



Q&A

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