

本次公开发行股票发行后拟在科创板市场上市，该市场具有较高的投资风险。科创板公司具有研发投入大、经营风险高、业绩不稳定、退市风险高等特点，投资者面临较大的投资风险。投资者应充分了解科创板市场的投资风险及本公司所披露的风险因素，审慎作出投资决定。



拓荆科技股份有限公司

(辽宁省沈阳市浑南区水家 900 号)

拓荆科技股份有限公司

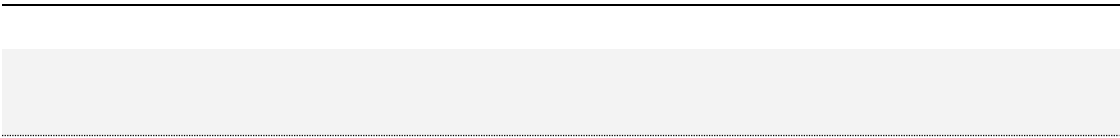
拓荆科技

拓荆科技

拓荆科技

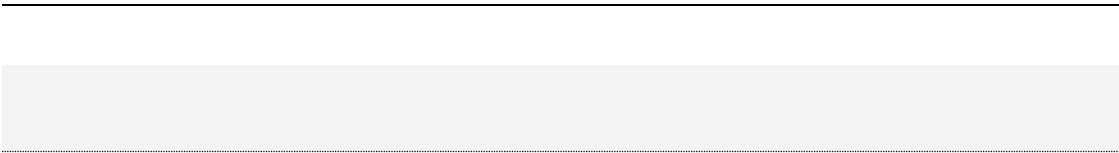
拓荆科技

拓荆科技





	A
	3,161.9800 25.00%
	1.00
	71.88
	2022 4 8
	12,647.8797
	2022 1 4
	2022 3 18
	308.0974
	9.74%
	22,256.7713
	12
	94.8594 6,818.4937 3%
	24
	2022 4 14



13.02%      19    15    22    27      13.10% 10.95%  
12.50%

5,704.87      -10,322.29      -1,936.64      -1,169.99  
-14,993.05      -6,246.63      -5,711.62      -2,305.21

10,797.31      7,431.87      12,278.18      12,955.63  
152.84%    29.58%    28.19%    34.65%



6-24

3-24

**PECVD**

**ALD**

**SACVD**

SACVD

PECVD ALD  
PECVD

PECVD

1-1-4

---

77.98% 100.00% 97.55%

88.69% ALD SACVD

ALD

14nm

17nm

DRAM

SACVD

40nm

ALD SACVD

ALD SACVD

ALD

SACVD

**Demo**

Demo

Demo

Demo

Demo

74

Demo

25

33.78%

Demo



2019	CVD	AMAT	
Lam	TEL	30% 21% 19%	ALD
	TEL	ASMI	
31% 29%			

ALD

ALD

100.00% 84.02% 83.78% 92.44%



30%

"

"

"

"

2021 3 31

2021

"

"

"

"

"

"

"

"

"

"

---

2021

1

	2021 12 31	2020 12 31		
	251,772.82	181,406.91	70,365.91	38.79%
	119,333.76	112,249.87	7,083.89	6.31%
	119,260.77	112,220.97	7,039.80	6.27%

2021 12 31

251,772.82

2020 12

31 70,365.91 38.79%

1

44,107.78

3,071.29

2 2021

12,453.82

3

7,761.86

2021 12 31

119,333.76

119,260.77

2020 12 31

6.31% 6.27%

2

	2021 10-12	2020 10-12		2021	2020	
--	------------	------------	--	------	------	--

	2021 10-12	2020 10-12		2021	2020	
	38,406.52	27,232.88	41.03%	75,796.09	43,562.77	73.99%
	1.58	4,454.92	-99.96%	5,628.70	-1,375.68	-
	999.58	4,459.13	-77.58%	6,737.85	-1,169.99	-
	987.86	4,459.13	-77.85%	6,692.73	-1,169.99	-
	1,052.27	4,480.22	-76.51%	6,848.65	-1,148.90	-
	-5,894.98	1,176.03	-	-8,200.19	-5,711.62	-
	21,345.33	41,969.59	-49.14%	13,748.06	30,891.27	-55.50%

2021 2020 11,173.64  
41.03% 2021 2020  
32,233.32 73.99%

2021 2020 3,427.95  
76.51% 2021 2020  
4,464.65 10,851.58

2021 2020 7,997.55

2021  
20,624.26 2021 2020  
17,143.21

3

2021 15,048.84

---

2021

15,553.46

2022

	2022 1-3	2021 1-3		
	10,000.00 12,000.00	5,774.10	4,225.90 6,225.90	73.19% 107.82%
	-2,000.00 -700.00	-1,032.66	-967.34 332.66	-
	-3,000.00 -1,600.00	-2,400.90	-599.10 800.90	-

2022

7

2019

12

18,354.00

7

966

"

" "

5%

" "

5%

" " 2

5%

"

7

---

6.5710%

0.8212%

**1**

5,235.2715

39.6611%

**1**

2021 8 6

2021

0107 2219

" "

2020 4 26

2020 6-7

**2**

2020 5

**3**

2020 10 23

"

"

2021 1 12

28

---

2

1

2020 11 17

2021 8 6

2021 8 12

2022

2 25

2

2021 1 31

275.5406

2021 4 16

2021 7 7

3

6.5710%

623.3158

2021 3 1

2021 04 49

275.5406

2.9047%



55%

"

" "

"

"

"

"

"

"

"

20% 10%

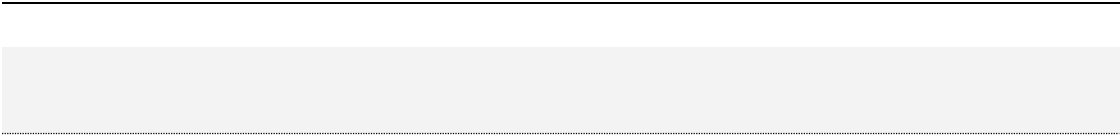
10% 5%

98% 2%

98% 2%

2020 9





..... 1

..... 2

..... 3

..... 3

..... 7

..... 7

..... 7

..... 10

..... 15

..... 20

..... 20

..... 22

..... 26

..... 26

..... 26

..... 28

..... 29

..... 32

..... 32

..... 33

..... 34

..... 34

..... 36

..... 36

..... 37

..... 39

..... 40

---

.....	40
.....	45
.....	45
.....	45
.....	46
.....	49
.....	49
.....	50
.....	51
.....	51
.....	51
.....	57
.....	59
.....	60
.....	60
.....	61
.....	61
5%	
.....	63
.....	74
.....	79
.....	89
.....	90
.....	91
.....	93
.....	94
.....	96

---

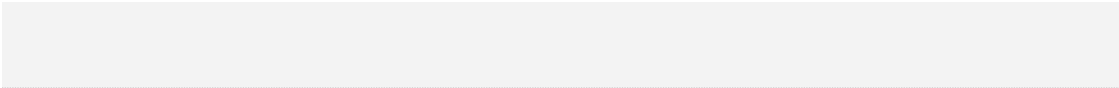
.....	99
.....	102
.....	102
.....	110
.....	138
.....	148
.....	152
	164
.....	168
.....	169
.....	169
.....	171
.....	171
.....	172
.....	172
.....	172
.....	173
.....	173
.....	173
.....	175
.....	175
.....	192
.....	193
.....	194
.....	194
.....	204
.....	206
.....	206

---

.....	207
.....	207
.....	216
.....	217
.....	218
.....	219
.....	222
.....	257
.....	282
.....	290
.....	291
.....	291
.....	292
.....	292
.....	294
.....	301
.....	301
.....	304
.....	304
.....	304
.....	308
.....	308
.....	309
.....	312
.....	312
.....	316
.....	316

---

	.....	317
	.....	318
	.....	318
	.....	321
	.....	322
	.....	324
	.....	325
	.....	326
	.....	327
	.....	328
	.....	329
	.....	330
	.....	331
1	.....	332
2	.....	332
3	.....	334
4	.....	337
5	.....	345



		8  11
		AMAT Applied Materials, Inc. NASDAQ 4336
		LRCX Lam Research Corporation NASDAQ " " " "
		Novellus Systems Inc. NASDAQ NVLS 2012 6
		ASM International  ASM
		Intel Corporation CPU
		Samsung Electronics Corporation CPU
KE		KOKUSAI ELECTRIC CORPORATION " KE"
		ICRD
		DRAM IDM



		2018 12 31	2019 12 31	2020 12 31	2021 9 30
		2018 12 31	2019 12 31	2020 12 31	2021 9 30
		2018	2019	2020	2021 1-9

		Silicon Wafer				4	6
		8	12				
IDM		Integrated Device Manufacture					
						90nm	65nm
		40nm	28nm	14nm	7nm	5nm	3nm
k							k
						28nm/14nm	
Demo						Demo	
Demo			Demo				
						LED	
CMOS CMOS		Complementary Metal Oxide Semiconductor N-MOS P-MOS					

---

FinFET  
FinFET

Fin Field-Effect Transistor

		PECVD
EFEM		Equipment front-end module
		SiO <sub>2</sub> SiN SiON
SiO <sub>2</sub>		
TEOS		Tetraethyl orthosilicate SiO <sub>2</sub>
SAF		
BPSG		Boro-phospho-silicate Glass
SiN		
SiON, DARC		Silicon Oxynitride
PSG		Phospho-silicate Glass
		-Si Lok Lok ADC ADC ACHM
ACHM		
Lok		
Lok		Lok Lok
ADC		Nitrogen Doped Carbide
ADC		Oxygen-doped Silicon Carbide
-Si		Amorphous Silicon
ONON NO stack No stack		- - - 3D NAND SiO <sub>2</sub> SiN
Thick TEOS		TEOS
SADP		Self-Aligned Double Patterning Fin FinFET
STI		Shallow Trench Isolation 0.25um

BSI	BSI	Back Side Illumination	CMOS
	FEOL	FEOL	
	BEOL	BEOL	
	ILD	Inter Layer Dielectric	
	IMD	Inter Metal Dielectric	
	PMD	Pre-Metal Dielectric	
	NFDARC, SiOC	Nitrogen Free Dielectric anti-reflective coating	



			2010 4 28
	9,485.8997		
	900		900
	C35		


	A		
	1.00		
	3,161.9800		
	3,161.9800		25%
	12,647.8797		
	71.88		

	12.45 9 30	2021	-0.60 2020
	26.16 9 30	2021	-0.45 2020
	2.75		
	A		
	227,283.12		
	212,759.73		
	ALD		
	1	500.00	11,636.54
	2	1,188.68	
	3	613.21	
	4		518.87
	5	66.10	
	1		13.86
		CA	

---

1		2022 3 29
2		2022 4 1
3		2022 4 7
4		2022 4 8
5		2022 4 12

6

---

	<b>2021.9.30/ 2021 1-9</b>	<b>2020.12.31/ 2020</b>	<b>2019.12.31/ 2019</b>	<b>2018.12.31/ 2018</b>
	34.65%	28.19%	29.58%	152.84%

ALD

SACVD

PECVD





5

Demo

2019

"

2016

2017

"

---

PECVD SACVD

" 90-65nm " " 1x nm 3D NAND  
PECVD " /

64/128 3D NAND FLASH 28/14nm 19/17nm DRAM  
2.5D 3D

25,125.15 43,562.77 37,389.57 7,064.40

3

				2012 C35 GB/T4754-2017
		C3562		2018
		-1.2	-1.2.1	" 1 "
				-

"		/
		PECVD PECVD SACVD
50		2022 3 8 98

	7,986.46	7,986.46	7.98%
	39,948.34	39,948.34	39.94%
ALD	27,094.85	27,094.85	27.09%
	25,000.00	25,000.00	24.99%
	<b>100,029.65</b>	<b>100,029.65</b>	<b>100.00%</b>





	A
	1.00
	25.00% 3,161.9800
	71.88
	2022 1 4
	2022 3 18
	308.0974
	9.74% 22,256.7713
	12

1844264 59m7046 Tr 0.30171 w0 gQq211.13 424.85 299.83 298W2809W\*-F4 10.56 Tf1 0



	29 1-9
	010-88300772
	010-88300793

	20 3 22-31
	010-59572288
	010-65681022

	1366 B
	0571-88216888
	0571-88216999

	35
	010-65881818
	010-65882651

	19 37 305-306
	010-52596085
	010-88019300

	388
	021-68808888
	021-68804868

	188
	021-58708888
	021-58899400

	3 AB
	819589015710001

2021 11 29  
688012.SH 160 A 0.000026%  
0.0000029%

22.29%

---

45.00%

26.48%

1		2022 3 29
2		2022 4 1
3		2022 4 7
4		2022 4 8
5		2022 4 12

6

---

1		948,594	68,184,936.72	—	24
2		3,080,974	221,460,411.12	1,107,302.06	12
		<b>4,029,568</b>	<b>289,645,347.84</b>	<b>1,107,302.06</b>	<b>—</b>

2% 5%

10

5%

4,000

10

20

4%

6,000

20

50

3%

1

50

2%

10

3%

94.8594

6,818.4937

2022 1 4

2022 3 18

---

10% 316.1980

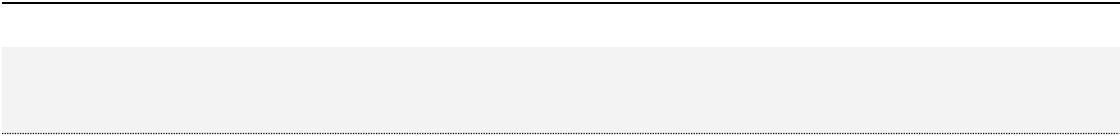
22,256.7750


15			352.0000	1.58%		
16			351.7500	1.58%		
17			281.4000	1.26%		
18			281.4000	1.26%		
19			281.4000	1.26%		
20			281.4000	1.26%		
21			211.0500	0.95%		
22			211.0500	0.95%		
23			211.0500	0.95%		
24			211.0500	0.95%		
25			201.0000	0.90%		
26			160.0000	0.72%		
27			140.7000	0.63%		
28			140.7000	0.63%		
29			140.7000	0.63%		
30			140.7000	0.63%		
31			140.7000	0.63%		
32			140.7000	0.63%		
33			137.5000	0.62%		
34			130.0000	0.58%		
35			100.5000	0.45%		
36			100.5000	0.45%		
	GiYoul Kim		100.0000	0.45%		

---

--	--	--	--	--	--	--	--

38



" " " " "

"

" " " " "

"

**PECVD ALD SACVD**

" " " " "

PECVD ALD SACVD

"

**Demo**

" " " " "

Demo

"



---

"

33.00% 31.99% 34.12% 45.55%

7,406.55      12,356.92      2018-2020      6,540.84      13,476.81  
92.59%    53.64%    17.00%

52,381.17      99,031.84      33,052.11      35,782.99  
48.61%      47.61%    41.78%    32.55%

17,016.48      23,503.18      36,746.35      59,321.12  
51.48%    65.68%    70.15%    59.90%

---

					-12,801.52
-2,175.61		30,891.27		-7,597.27	
					2,475.84
21,344.45		26,997.70			37.34%
86.16%		62.97%			
				4,221.41	3,686.86
25,114.58		5,166.20			19.79% 13.50%
27.61%		6.58%			4,691.53
				4,326.27	5,096.14
				8,074.57	
				66.41%	17.22%
				11.70%	21.60%



2020

2018

" " " " "

---

2020

---



---

---

---

2021 1 12

2021 6 15

94,858,997

2021 5 21

[2021]7249

2021 5 21

2018

	106,378.37	19,122.40	87,255.97	10,436.79	-4,696.17
	-8,318.81	-	-8,318.81	-	-2,057.36
	-4,224.60	3,000.62	-7,225.22	-3,366.87	-1,935.38
	-1,976.82	-	-1,976.82	-	-1,184.49
	1,427.02	1,427.02	-	-	-
	-685.99	-	-685.99	-	-685.99
	45.39	-320.83	366.22	-5.52	237.10
	-13,733.80	4,106.81	-17,840.62	-3,372.39	-5,626.12
	92,644.56	23,229.21	69,415.35	7,064.40	-10,322.29

2019

	114,281.27	25,851.77	88,429.50	25,125.15	-661.87
	-7,615.41	-	-7,615.41	-	-896.07
	416.40	-	416.40	-	166.23
	329.42	329.42	-	-	-
	-	-	-	-	-390.48
	-	-196.46	196.46	-	-154.46
	<b>-6,869.58</b>	<b>132.96</b>	<b>-7,002.55</b>	<b>-</b>	<b>-1,274.78</b>
	<b>107,411.69</b>	<b>25,984.73</b>	<b>81,426.96</b>	<b>25,125.15</b>	<b>-1,936.64</b>

2020                      2021    1-9

2021    5    21

[2021]120

			%
1		2,512.1755	26.4833
2		1,729.7297	18.2347
3		1,062.2547	11.1982
4		701.2105	7.3921
5		623.3158	6.5710
6		300.0000	3.1626
7		297.0297	3.1313
8		180.0180	1.8977
9		162.1622	1.7095
10		150.0000	1.5813

---

			%
11		150.0000	1.5813
12		138.0996	1.4558
13		138.0546	1.4554
14		138.0416	1.4552
15		138.0205	1.4550
16		140A3.704	

1

2020 5 31

-28,126.78

2

2020 6 1 2020 12 31

41,991.94

2,650.28

3

	<b>2021 1-9</b>	<b>2020 6-12</b>	<b>2020 1-5</b>	<b>2019</b>	<b>2018</b>
	-25,476.50	-28,126.78	-24,327.60	-22,390.96	-12,068.67

	<b>2021 1-9</b>	<b>2020 6-12</b>	<b>2020 1-5</b>	<b>2019</b>	<b>2018</b>
	5,796.38	2,650.28	-3,799.18	-1,936.64	-10,322.29
	-28,126.78	-	-	-	-
	<b>8,446.65</b>	<b>-25,476.50</b>	<b>-28,126.78</b>	<b>-24,327.60</b>	<b>-22,390.96</b>

**4**

"

"

"

"

"

"

"

"

"

"

"

"

**5**

2020	5	31	1,088,954,920.92
94,858,997.00			1,274,060,433.49
-281,267,776.65			1,303,267.08
1		-	94,858,997
			994,095,923.92

[2021]120

		94,858,997.00
		1,274,060,433.49
		1,303,267.08
		-281,267,776.65
		94,858,997.00
	-	994,095,923.92

---

2018 1 1

			%
1		2,512.1755	35.2959
2		1,729.7297	24.3026
3		780.0765	10.9600
4		600.0000	8.4300
5		297.0297	4.1732
6		282.1782	3.9646
7		180.0180	2.5292
8		162.1622	2.2784
9		123.4290	1.7342
10		99.0099	1.3911
11		78.7500	1.1064
12		62.7900	0.8822
13		50.0000	0.7025
14		28.0000	0.3934
15		25.5000	0.3583
16		23.7450	0.3336
17		17.5000	0.2459
18		17.5000	0.2459
19		16.8850	0.2372
20		16.0000	0.2248
21		15.0000	0.2107
		<b>7,117.4787</b>	<b>100.0000</b>

" "

---

**2019 5**

2019 5

3.9646%

19 /

2019 5 6

**2019 5**

2019 5

4.215%

2019 5

4.215%

5,700

2019

4 23

2019 5 17

**2019 7**

2019 7

2.1075%

19.18 /

2,887.0245

2019 7 12

**2019 12**

701.2105

623.3158

77.8947

966

2019 12 27

2020 5 19

2020 03003

2021 1 14

---

[2021]116

---

2014 5

1

2014 5	2,750	272.2772
3,000	297.0297	1,000
99.0099	" ALD	" " ALD
" "	"	1,010
100		

2

ALD

3

9.34 Tm#D3802C8#ET#1 0 0 1222#11142#11433ET#1 0 0 14221 2



---

2

2020.12.31/2020	-	-	-
2021.9.30/2021 1-9	19,091.18	297.31	97.31

2

	1,000.00	800.00
	2020 9 30	
		8 3
	55.00%	
	20.00%	
	10.00%	
	10.00%	
	5.00%	

2

2020.12.31/2020	5,566.58	515.63	-84.37
2021.9.30/2021 1-9	5,081.80	149.61	-366.02

**5%**

**1**

**2**

1 2019 1 1 2021 1 12

2021 1 12

---

2019 1 1 2019 5 5 9  
2 2

1 2019 5 6  
8 2

1

2019 1 1 2021 1 12

2019 1 1 2021 1 12

2 2021 1 12

2021 1 12

2021 1 12

2021 1 12 9

3

6 2

1 2

---

2021 1 12

2021 1 12

2019 1 1

5%

1

5%

1

2,512.1755

26.4833%

	9,872,000.00
	2014 9 26 2024 9 25
	2 52 7 718

2

1,729.7297

18.2347%

	1,000,000.00
	2016 3 4 2024 3 3
	1142 23 4064-31

3

1,062.2547

11.1982%

	688012.SH
	GERALD ZHEYAO YIN
	61,624.4480
	2004 5 31
	188

MOCVD

4

851.2105

8.9734%

701.2105

7.3921%

150.0000

1.5813%


	14,220.00
	2018 8 3 2038 8 2
	1856 1 120 -69

	10,000.00
	2018 6 9 2023 6 8
	1002 X 5 6 B

5

623.3158

6.5710%

	13,200.00
	2019 10 14 2027 10 14
	519 2710

6

11

15.1920%

2014 5 27 2015 4 20

---

/

2021 9

24

36

2019 12 18

/

36

2021 3 30

11

3

" "

"

" "

"

1967 1

28.00

0.2952%

2014 2017

1942 2

25.5000

0.2689% 4 S EbÓ! 2014 2017

196

---

1950 7

16.00

0.1687%

11

78.7500

0.8302%

	88.9125
	2013 10 18 2028 10 17
	900 401

62.7900

0.6619%

	206.0469

2013

	27.8569
	2013 10 18 2028 10 17
	900 406

16.8850

0.1780%

	20.2423
	2013 10 18 2028 10 17
	900 419

138.0996

1.4558%

	15.1915
	2019 10 9 2034 10 8

---

138.0546

1.4554%

	15.1862
	2019 10 9 2034 10 8

138.0416

1.4552%


---

138.0186

1.4550%

	15.1824
	2019 10 9 2034 10 8

--	--

2                      5%

5%

1

2019    12

19 /

966

18,354

2020    5    20

	/	/		
1			1,380,996	26,238,924.00
2			1,380,416	26,227,904.00
3			1,380,205	26,223,895.00
4			1,380,186	26,223,534.00
5			1,379,725	26,214,775.00
6			689,654	13,103,426.00
7			688,272	13,077,168.00
8			536,842	10,199,998.00
9			516,821	9,819,601.00
10			326,883	6,210,775.00
			<b>9,660,000</b>	<b>183,540,000.00</b>

---

"

"

2 5%

" " " " " "

"

9,485.8997

3,161.9800

25.00%

			%
1		2,512.1755	26.4833
2		1,729.7297	18.2347
3		1,062.2547	11.1982
4		701.2105	7.3921
5		623.3158	6.5710



			%
2	SS	297.0297	3.13
3	SS	99.0099	1.04
4	CS	300.00	3.16
		<b>3,208.2151</b>	<b>33.81</b>

2

			%
1		123.4290	1.3012
2		50.00	0.5271
3		28.00	0.2952
4		25.5000	0.2688
5		17.5000	0.1845
6		17.5000	0.1845
7		16.00	0.1687
8		15.00	0.1581
		<b>292.9290</b>	<b>3.0881</b>

	/	%	
1		1.3012	
		0.5271	
		0.2952	

	/	%	
		0.2688	
		0.1687	
		0.1581	
		0.1845	
		0.1845	
		0.8302	
		0.6619	
		0.2503	
		0.1780	
		1.4558	
		1.4554	
		1.4552	
		1.4550	
		1.4550	
		1.4545	
		1.4526	
2		7.3921	
		1.5813	
3		0.8302	
		0.2503	
		1.4558	
		1.4552	
4		1.4526	
		0.6619	
		0.1780	
		1.4554	
		1.4550	
		1.4550	
	1.4545		

---

	/	%	
5		11.1982	
		0.8212	

---

P1028590

2019 12

" "

2019

12 31

**1**

1				2021 1	2024 1
2				2021 1	2024 1
3				2021 1	2024 1
4				2021 12	2024 1
5				2021 1	2024 1
6				2021 1	2024 1
7				2021 1	2024 1
8				2021 1	2024 1
9				2021 1	2024 1

1965

1994 8 2014 8

SSTS

2014 9

---

1954 22.68 reW\*nBT/F4 10.56 Tf<3A9304BB02C8>2-9<0779>-9<22F90778>-9<2B4



1981

2004 12

" "

2015 12

1979

MBA 2004 4 2021 3

2021 4

2021 12



---

2021 1

1985

2011 8

2019 11

2019 11 2021 1

2021 1

1974

1998 10 2010 4

2010

4

3

1			2021 1	2024 1
2			2021 1	2024 1
3			2021 1	2024 1
4			2021 1	2024 1
5			2021 1	2024 1
6			2021 1	2024 1

1956

1982 2 2018 2

Codi Semiconductor, Inc.

2018

2

1971

2000

9 2011 2

PECVD ALD

---

2011 3

1963

A&M

1984 8

2018 10

A&M  
Ecovoltz Inc.

Nonometrics Inc. Mattson Technology, Inc. Nonometrics Inc.

2018 11

1971

1993 5 2010 4

2010 4

1968

EMBA

1992 12 2009

9

2010 4

1983

---

---

---


		Advanced Micro-Fabrication Equipment International Pte. Ltd.		
		Advanced Micro-Fabrication Equipment Korea Ltd. PDF Solution Inc.		





---


|

---

2019 1 1

9

2019 4 3

2019 11 21

2021 1 8

2021

9

2021 11 24

2021 12 9

2024 1 7

2019 1 1

5

2020 12 11

2021 1 8

2021

2021 4 8

2021 4 30

2024 1 7

2019 1 1

7

---

2020 5 29

2021 1 8

2014 5 2020

5

2014 9 2020 5

2021 3

7

			/		
			69,300.00	45.64%	630,000
			27,750.00	3.12%	25,000
			97,229.00	64.06%	883,900
			44,400.00	4.99%	40,000

			/		
			66,600.00	3.23%	60,000
			200,000.00	1.33%	
			6,200,266	1.01%	
		Grenade Pte. Ltd.	174,277		
		Futago Pte. Ltd.	6,875		
			36,300.00	23.91%	330,000
			44,400.00	4.99%	40,000
			12,287.00	8.09%	111,700
			234,190.00	11.37%	49,000
			3,330.00	0.38%	3,000
			44,000.00	28.97%	400,000
			111,000.00	12.48%	100,000
			84,150.00	55.43%	765,000
			155,400.00	17.48%	140,000
			27,500.00	18.11%	250,000
			404,000.00	19.61%	40,000
			4,900.00	98.00%	
			33,110.00	21.80%	301,000
			30,183.00	19.91%	274,386
			14.00	0.01%	126
			14.00	0.01%	126

			/		
			14.00	0.01%	126
			14.00	0.01%	125
			14.00	0.01%	125
			90,687.00	10.20%	81,700
			22,189.00	10.96%	10,080
			11,000.00	0.53%	
			6,600.00	4.35%	60,000
			29,219.00	19.24%	265,630
			309,915.00	15.04%	36,230
			18,870.00	6.77%	17,000

4,000

1.10

1.10

	/					
		500,000	655,000	1,155,000	1.2176%	630,000

	/					
		1,234,290	983,900	2,218,190	2.3384%	883,900
			446	446	0.0005%	
			110,868	110,868	0.1169%	
			370,000	370,000	0.3901%	330,000
			163,700	163,700	0.1726%	111,700
			500,000	500,000	0.5271%	400,000
		150,000	905,000	1,055,000	1.1122%	765,000
			290,000	290,000	0.3057%	250,000
			672,538	672,538	0.7090%	575,638
			582,582	582,582	0.6142%	<del>490,80</del>

---

**1**

3G0H5QPT4pH

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	696.66	1,350.10	980.84	884.00
	5,738.27	-1,169.99	-1,936.64	-10,322.29
	12.14%	-	-	-

**2**

			<b>2020</b>
10			173.22
11			-
12			-
13			-
14			-
15			37.59
16			241.78
17			190.78
18			197.54
19			64.32
20			64.26
21			62.00
22			40.13
			<b>1,350.10</b>

2020

2020

1			500,000	655,000	1,155,000
2			-	883,900	883,900
3			280,000	140,000	420,000
4			255,000	150,000	405,000
5			175,000	175,000	350,000
6			175,000	175,000	350,000
7			160,000	345,000	505,000
8			150,000	905,000	1,055,000
			<b>1,695,000</b>	<b>3,428,900</b>	<b>5,123,900</b>

11

11,481,700

12.1040%

2

2010

2020 4

2020 4

11

2

1

"

"

"

"

"

"

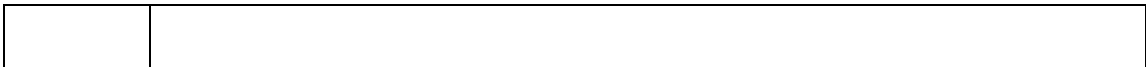
---

2

11

11 " "

**3**



---

**1**

**2**

	10	2.33%
	41	9.56%
	14	3.26%
	10	2.33%
	<b>429</b>	<b>100.00%</b>

**3**

2021 9 30

	135	31.47%
	201	46.85%
	85	19.81%
	8	1.86%
	<b>429</b>	<b>100.00%</b>

**4**

2021 9 30

51	16	3.73%
41 50	41	9.56%
31 40	166	38.69%
30	206	48.02%
	<b>429</b>	<b>100.00%</b>

**1**

/%

	2021.9.30		2020.12.31		2019.12.31		2018.12.31	
	<b>414</b>	<b>96.50</b>	<b>295</b>	<b>93.35</b>	<b>259</b>	<b>94.87</b>	<b>264</b>	<b>94.96</b>
	66	15.38	46	14.56	41	15.02	33	11.87
	<b>15</b>	<b>3.50</b>	<b>21</b>	<b>6.65</b>	<b>14</b>	<b>5.13</b>	<b>14</b>	<b>5.04</b>
	3	0.70	8	2.53	0	0.00	0	0.00
	1	0.23	1	0.32	2	0.73	2	0.72
	9	2.10	11	3.48	10	3.66	10	3.60
	2	0.47	1	0.32	2	0.73	2	



---

3D

40

3nm FinFET

90nm CMOS

100

6

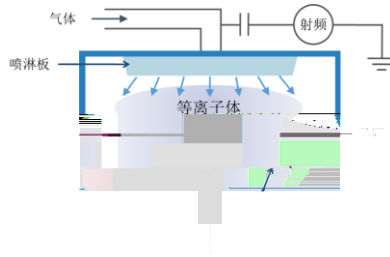
20

1 PECVD

PECVD

CVD

PECVD



PECVD

180-14nm

19/17nm DRAM 64/128 FLASH

SiO<sub>2</sub> SiN SiON BPSG PSG TEOS Lok Lok ACHM

ADC

2018


PECVD

2020

PECVD

PECVD

			/
12 PECVD PF-300T		PF-300T FLASH DRAM OLED SiON BPSG PSG TEOS ACHM ADC	28nm TSV SiO <sub>2</sub> SiN Lok Lok
12 PECVD PF-300T eX		PF-300T eX FLASH DRAM SiO <sub>2</sub> SiN SiON BPSG PSG TEOS Lok Lok ACHM ADC	14nm-28nm
12 PECVD PF-300T pX		PF-300T pX	10nm
8 PECVD PF-200T		PF-200T SiO <sub>2</sub> SiN SiON TEOS 12 PECVD	90nm 3D TSV
12 HTM PECVD NF-300H		NF-300H 19nm NO stack Thick TEOS	32-128 3D NAND FLASH DRAM NF-300H

			/
TFLITE		TFLITE SiO <sub>2</sub> SiN	LED

2 ALD

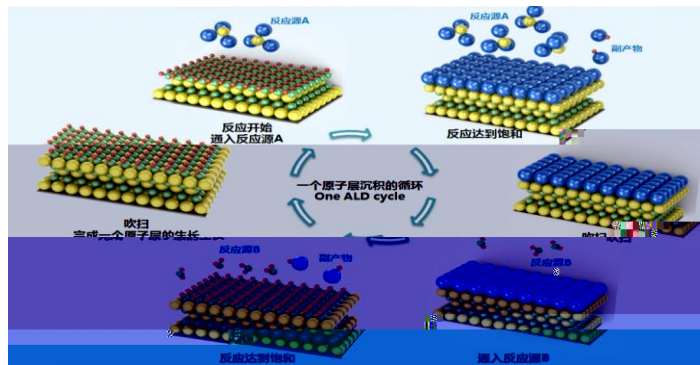
ALD

ALD

DRAM 3D NAND ALD

ALD

PE-ALD Thermal ALD



ALD

PE-ALD

PECVD

ALD

ALD

SiO<sub>2</sub> SiN

55-14nm

PE-ALD


28nm

Al<sub>2</sub>O<sub>3</sub>

AlN

Thermal ALD

ALD

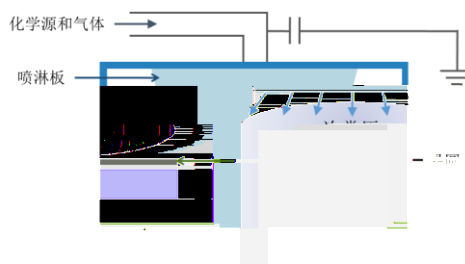
			/
12 PEALD FT-300T		FT-300T PE 28-14nm SADP STI Liner 55-40nm BSI 2.5D 3D TSV FT-300T SiO <sub>2</sub> SiN	
12 Thermal-ALD FT-300T		FT-300T Thermal 28nm FT-300T Al <sub>2</sub> O <sub>3</sub> AlN	
12 ALD FT-300H		FT-300H 128 3D NAND FLASH 19/17 nm DRAM SiO <sub>2</sub> SiN	

3 SACVD

SACVD

SACVD

Gap fill



SACVD

SACVD


BPSG SAF

12 40/28nm

8

90nm

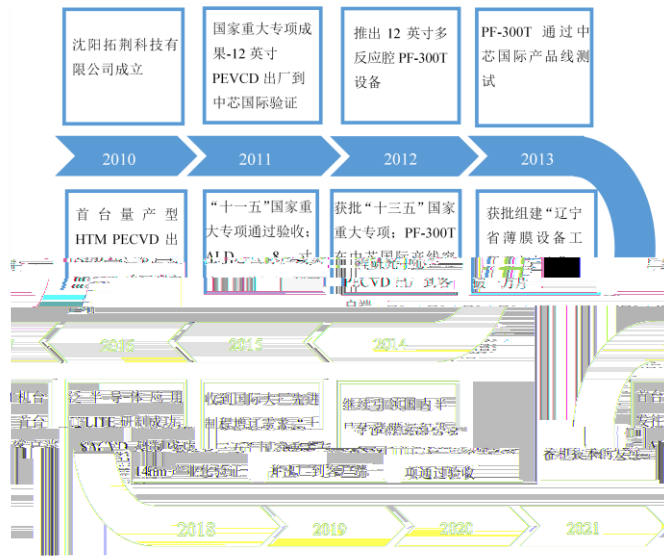
SACVD

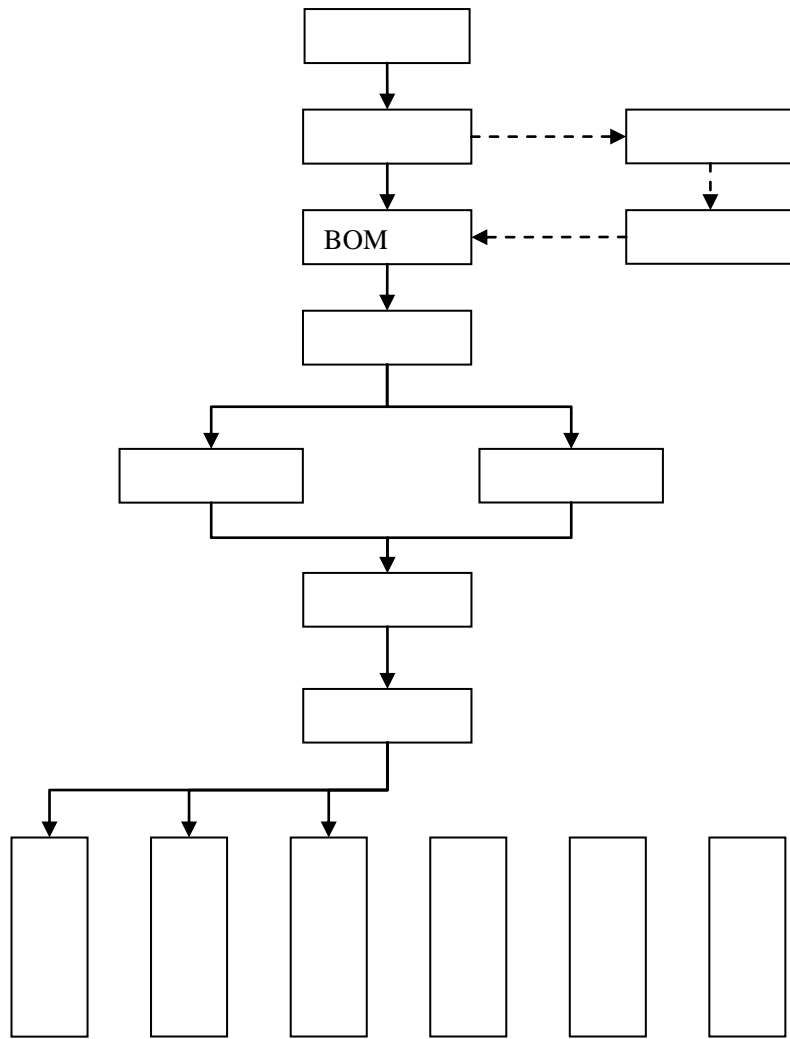
			/
12 SACVD SA-300T		SA-300T STI ILD BPSG SAF	40-28nm
8 SACVD SA-200T		SA-200T STI ILD BPSG SAF	90nm

3

2021 1

2010





- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

---

ISO14000

2012

C35

GB/T4754-2017

C3562

2018

**1**

2

2035	2021		IGBT MEMS
	2020		15 28 15 65 25% 130 10 25%
	2018		2018 1 1 130 10 25% 2018 1 1 65 150 15

---

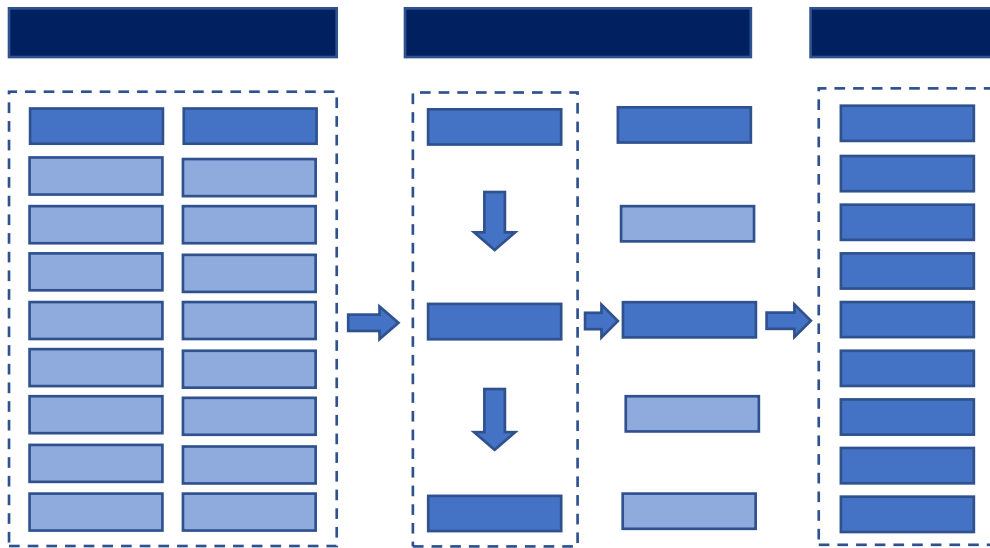
			25% "
" "	2017		"

**3**

**1**

1

integrated circuit      80%



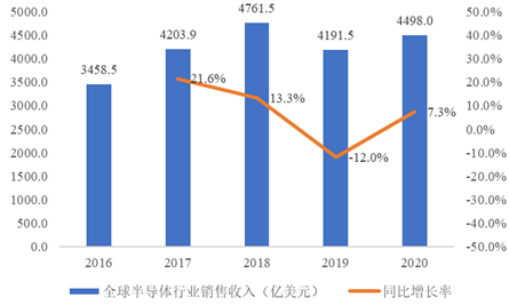
/

CMP

EDA IP

2

	Gartner		2016	2018
		17.34%	2019	
		2020	4,498.0	
2019	7.3%	SIA	2021	
	1,231	2018	1,227	



Gartner

SIA 2020

2019

62.50%

35.00%

19.10%

9.70% 8.70%

EDA

"

"

3

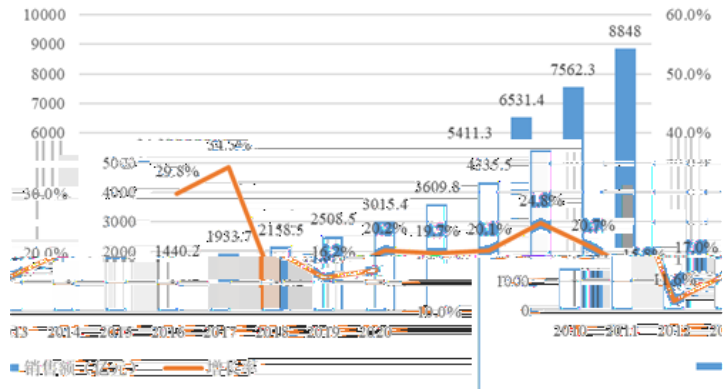
2010-2020

19.91%

2020

8,848

17%



2010

1-2%

4

5G

Gartner

2022

5,426.40

2020

1-1-115



Strategy Analytics

2022

2023

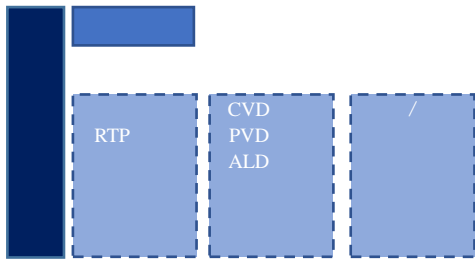
2

1

80%

/

/



80%

"

"

18-24

2

SEMI	2014	375	2020
	712	11.28%	2020

19% T7 44.28 13.952 reW\*ñq129.83 68[138 44.28 13.32 reW\*ñBT/F4 7.56 Tf1 0 0 1 222

**2010-2020**



SEMI

AMAT

Lam

TEL

DNS

ASML ASML Holding N.V.

ASMI

3

35%

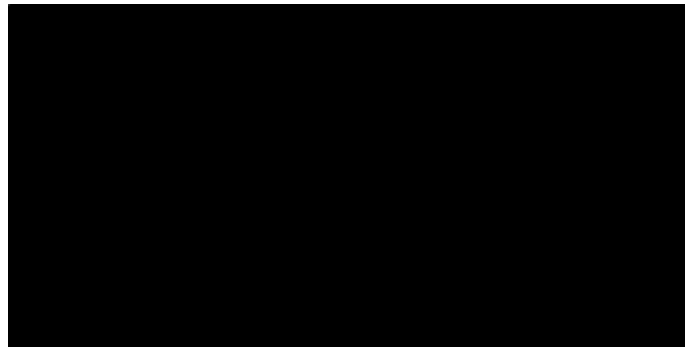
SEMI

2020

187.2

39%,

**2012-2020**



SEMI

28nm

14nm

IDM

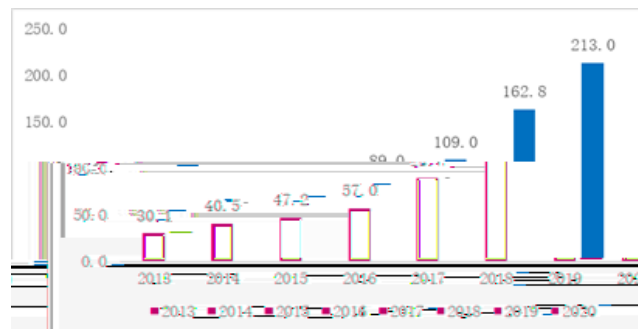
2020

213

17.5%

5%

1-2%



4

2019

1-1-119

3

1

/

ALD

CVD

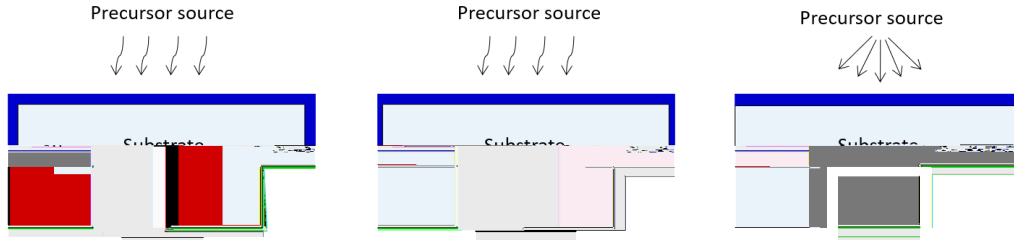
PVD

PVD CVD ALD

ALD

CVD

PVD



Characterization of Atomic Layer Deposited Thin Films: Conformality in High Aspect Ratio Pores and the Electrical Properties

CVD

CVD

CVD

PECVD SACVD APCVD LPCVD

APCVD

CVD

LPCVD

APCVD

APCVD

PECVD

90nm IC

SACVD

SACVD

400-550

30-600Torr

Gap

---

fill

ALD

ALD

CVD

ALD

ALD

28nm

28nm

FinFET

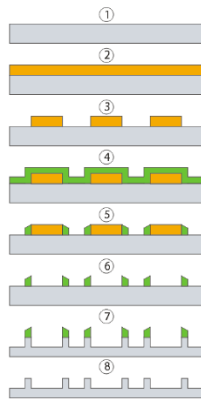
Fin

Fin

SADP

Self-Aligned Double Patterning

**SADP**



ALD

Spacer

Fin

ALD

k

STI BSI

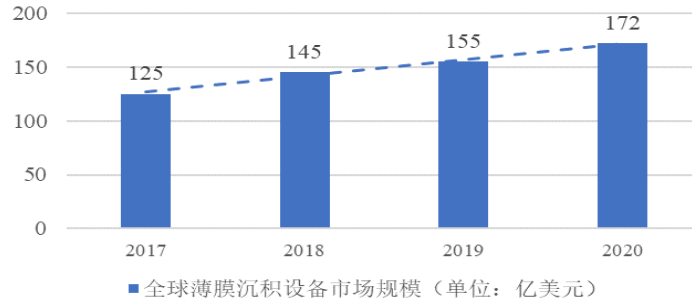
CMOS

TSV

Maximize Market Research

2017-2019

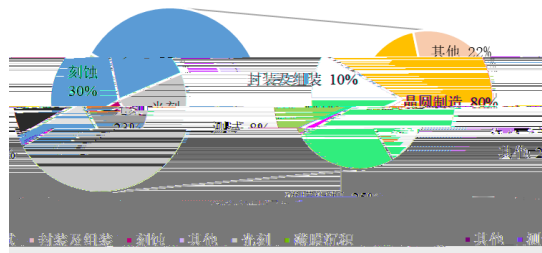
125      145      155      2020  
 172  
 11.2%



Maximize Market Research

80%

25%



SEMI

PECVD

PVD

ALD

LPCVD

PECVD

33% ALD

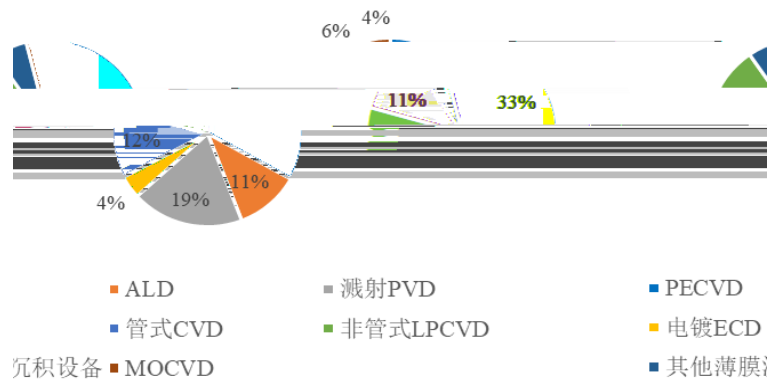
11% SACVD

PVD

PVD

ECD

23%



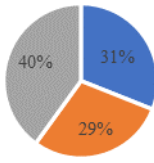
Gartner

ALD Acumen  
 research and consulting 2026  
 ALD 32

26.29% 2020  
 172 2020 45.22  
 PECVD ALD 33% 11% 2020  
 PECVD 14.92 ALD 4.97

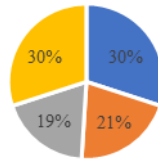
AMAT ASMI Lam TEL  
 2019 ALD TEL ASMI  
 31% 29% 40%  
 AMAT PVD 85%  
 CVD AMAT 30% Lam  
 21% TEL 19% 70%

全球ALD设备市场占比



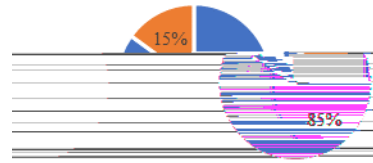
• TEL • ASM • 其他

全球CVD设备市场占比



• 应用材料 • 泛林半导体 • TEL • 其他

全球PVD设备市场占比



• 应用材料 • 其他

Gartner

3

Maximize Market Research

2025

2020

172

340

13.3%

---

		/
--	--	---

180nm 8

---

**1**

" 90-65nm

PECVD

"

/

" " 1x nm 3D NAND

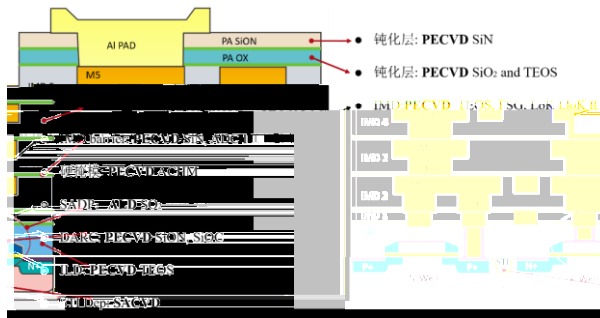
**2**

PECVD ALD SACVD

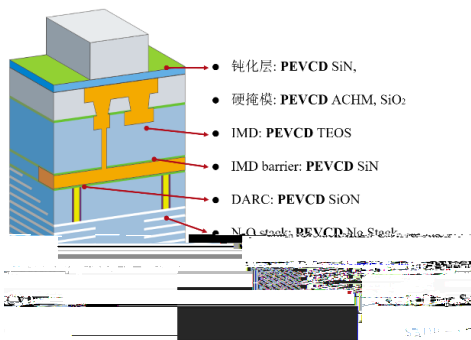
150

DRAM

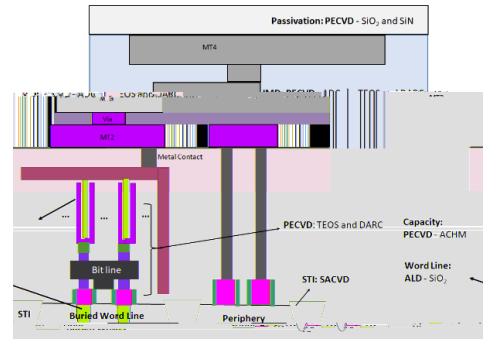
3D NAND FLASH



**3D NAND**



**DRAM**



**1 PECVD**

PECVD

3D

PECVD

16

PECVD

SiO <sub>2</sub> PECVD		/ Inter Layer Dielectric, Inter Metal Dielectric	130-28nm
		Passivation Layer	14nm
		Etch hardmask	10nm
SiN PECVD	DRAM FLASH	Etch Stop Layer	130-28nm
		Inter Metal Dielectric	64 FLASH 14nm
		Passivation Layer	128 FLASH 19/17DRAM

			2.5D 3D
SiON PECVD	DRAM FLASH	DARC Dielectric anti-reflective coating layer	130-28nm 64 FLASH 14nm 128 FLASH 19/17nm DRAM
BPSG PECVD		/ Inter Layer Dielectric, Inter Metal Dielectric	130-28nm
		Passivation Layer	
TEOS PECVD	DRAM FLASH	/ Inter Layer Dielectric, Inter Metal Dielectric	130-28nm 64 FLASH 14nm 128 FLASH 19/17nm DRAM
		Passivation Layer	
		Etch hardmask	
			2.5D 3D
SiOC PECVD		NFDARC Nitrogen free dielectric anti-reflective coating layer	65-28nm
FSG PECVD		Inter Metal Dielectric	130-65nm
HSN PECVD			Stre0.4806.29 189.74 2

NAND PECVD			
TFLITE	LED	Dielectric /	4/6
		Passivation	
		Patterned Sapphire Substrate	
		Hard Mask/Optical film	

2 ALD

ALD

PE-ALD

Thermal -ALD

SiO <sub>2</sub> PE-ALD		SADP      STI liner	28-14
		TSV	2.5D   3D
	CMOS	BSI	-

3 SACVD

SACVD

---

PECVD SACVD

AMAT

Lam

TEL

ASMI

2019-2020

PECVD

16.65%

2020

2020

2

AMAT

Lam

TEL

ASMI

1

AMAT

1967

AMAT

AMAT

LED

15,700

2

Lam

1980

LRCX

---

Lam  
AMAT ASML ASML Holding N.V.  
8,200

3 TEL  
1963 8035.TYO

TEL

TEL 11,000

4 ASMI  
1968

ASM

ALD

PEALD

ASMI

3%

29%

TEL

31%

ASMI

2,500

3

PECVD ALD SACVD

AMAT

Lam

TEL

ASMI

---

	2018	167.05	45.00%	30.38
	2019	146.08	43.72%	27.06
	2020	172.02	44.72%	36.19
	2018	110.77	46.63%	23.81
	2019	96.54	45.15%	21.91
	2020	100.45	45.88%	22.52
	2018	11,307.28	42.01%	2043.99
	2019	12,782.40	41.94%	2482.28
	2020	11,272.86	40.09%	1852.06
	2018	8.18	40.90%	1.57
	2019	12.84	49.73%	3.29
	2020	13.28	46.95%	2.85

MTRR	

1

1

189

44.06%

2

2022 3 8

174

153

21

98

77

21

" 90-65nm

"

" 1x nm 3D NAND PECVD

"

4

/

PECVD ALD SACVD

---

3

"

"

2016 2017 2019

"

"

PECVD ALD SACVD

4

5

2

1



2

**1**

1

2

7

NAND

3D NAND

---

32/64

128/196

3

2010

2020

19.91%

2020

187.2

4

2

---

1

2

1

		<b>2021</b>	<b>1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
PECVD		49		50	22	9
		23		31	19	4
		46.94%		62.00%	86.36%	44.44%
ALD		1		1	0	0

		2021	1-9	2020	2019	2018
		0		0	0	1
		0.00%		0.00%	0.00%	
SACVD		3		3	1	0
		1		1	0	0
		33.33%		33.33%	0.00%	0.00%

1 TM

PM

100%

2

"

" "

" "

" " 2

"

2020

ALD

2020

ALD

2018

ALD

3

PECVD	
ALD	ICRD

---

5

"

" "

" "

"

1

2021 1-9	1		10,484.54	28.80%
	2		10,231.40	28.11%
	3		6,109.99	16.79%
	4		3,598.00	9.88%
	5		3,221.87	8.85%
			<b>33,645.79</b>	<b>92.44%</b>



	2020	2019	2018
	54.33%	45.61%	57.07%
	83.36%	87.33%	92.49%
	85.71%	94.06%	99.09%
	<b>70.76%</b>	<b>73.63%</b>	<b>77.30%</b>
	<b>83.78%</b>	<b>84.02%</b>	<b>100.00%</b>

2021 1-9

2

10,000

			IC Insights 2020
			4
			1

01347

IC Insights 2020  
5 2

	2011 12    PECVD  2013 2014  PF-300T	2018    2020  IPO        2020  733,016	
	2017    6  ICRD 2019	2018    2020  155nm        2019 25  1	
	2015   2016	2018    2020   20    / 2020	

4

2017    9    6

2018    6

2018    9    6

2018    1    1        2018    9    6

2018    9    6



3

1

ICRD

ICRD

---

IP

ICRD

ICRD

ICRD

ACHM Lok ADC

ICRD

ICRD

ICRD

Global fundamental limited

Global fundamental limited

Global fundamental limited

		<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
		970.51	367.15	178.05	74.32
		-	1,496.15	5,757.15	-

2014

EFEM

---

2016

" 90-65nm

"

2017

Global fundamental limited

2017

2017 11

③

"

			<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
			1,393.81	821.20	307.05	87.30
			-	-	6.87	-
			124.00	186.80	252.00	62.00
			3.46	5.85	6.87	7.05
			1,002.34	682.93	430.22	507.91
			-	-	7.96	-
			4,400.83	2,878.48	1,320.01	941.76
			-	3.85	13.01	-
			2,176.38	1,253.83	575.94	453.40
			-	-	6.65	-
			56.79	52.59	160.82	262.52
			-	-	3.05	5.69
			375.35	312.80	154.71	72.03
			5.36	-	-	-

3

			<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
			2.46	9.83	9.79	-
			-	820.00	-	-
			0.69	0.68	0.90	-

			2021 1-9	2020	2019	2018
			30.01	870.60	-	-
			5.23	2.83	4.58	15.41
			10,686.55	19,985.19	6,834.70	1,106.16

**1**

1

1		
2		IO
3		EFEM
4		
5		LDS
6		
7		
8		

9		
10		
11		

	2021 1-9		2020		2019		2018	
	19,733.70	28.20%	11,882.05	25.29%	5,591.00	27.69%	4,395.79	23.00%
	19,185.40	27.42%	11,343.25	24.14%	5,129.39	25.40%	4,747.43	24.84%
	8,357.90	11.94%	7,698.45	16.38%	3,270.08	16.19%	2,485.16	13.00%
	5,712.30	8.16%	3,522.71	7.50%	1,775.99	8.79%	1,280.83	6.70%
	5,117.55	7.31%	3,226.29	6.87%	1,209.23	5.99%	1,079.20	5.65%
	3,115.62	4.45%	3,163.55	6.73%	873.58	4.33%	1,652.58	8.65%
	3,668.89	5.24%	2,975.07	6.33%	934.60	4.63%	1,435.61	7.51%
	849.81	1.21%	1,209.56	2.57%	94.39	0.47%	671.12	3.51%
	1,282.26	1.83%	860.49	1.83%	664.21	3.29%	786.93	4.12%
	838.31	1.20%	545.38	1.16%	255.23	1.26%	128.97	0.67%
	2,116.62	3.02%	562.43	1.20%	396.78	1.96%	446.61	2.34%
	<b>69,978.35</b>	<b>100.00%</b>	<b>46,989.23</b>	<b>100.00%</b>	<b>20,194.48</b>	<b>100.00%</b>	<b>19,110.23</b>	<b>100.00%</b>

2019

2018 5.67%

2019

2018

2018

demo

2018

demo

2018



	2021 1-9	2020	2019	2018
	255.23	279.64	335.33	336.81
	493.04	567.66	560.73	517.46
/	0.52	0.49	0.60	0.65

50%

2021 1-9	1			8,816.15	12.60%
	2			6,070.08	8.67%
	3			4,400.83	6.29%
	4	Rorze Corporation		4,120.95	5.89%
	5	Brooks Automation, Inc.		3,448.90	4.93%
				<b>26,856.90</b>	<b>38.38%</b>
2020	1			5,635.80	11.99%
	2			3,836.76	8.17%
	3	Rorze Corporation		3,746.60	7.97%
	4			2,878.48	6.13%
	5	Brooks Automation, Inc.		2,581.50	5.49%
				<b>18,679.14</b>	<b>39.75%</b>
2019	1			1,931.28	9.56%
	2	XP POWER LLC		1,782.83	8.83%
	3	Rorze Corporation		1,429.48	7.08%
	4			1,368.41	6.78%
	5			1,320.01	6.54%
				<b>7,832.01</b>	<b>38.78%</b>



---

			<b>PECVD</b>	<b>ALD</b>	<b>SACVD</b>
	10 7				

3

2

1

2

PECVD

ALD

SACVD

6

18

---

EFEM

4

PECVD ALD

10

5

6

IC

---

SACVD

7

ALD

3D NAND

PECVD

8

---

3

	2021	1-9	2020	2019	2018	
	36,399.05		42,876.27	24,772.45	6,629.86	110,677.63
	37,389.57		43,562.77	25,125.15	7,064.40	113,141.89
	97.35%		98.42%	98.60%	93.85%	97.82%

93.85%

98.60% 98.42% 97.35%

97.82%

4

1

2

3

---

**1**

1		-6	CC1-150	2011
2		-12	PECVD	2014
3				2017
4				2017
5		2019		2019
6				2017
7		2016		2017
8		2016		2017
9		2017		2018
10		2019		2020
11				2019
12				2021

**2**

1	90-65nm			2008.12 2016.6	35,763.02	
2	1x nm 3D NAND PECVD			2016.1 2020.12	52,290.83	
3	1x nm 3D NAND PECVD			2019.1 2020.6	7,012.77	
4	A ALD			2020.1 2021.12	10,016	
5	B PECVD			2020.1 2021.12	18,013	

6	A	-	-	-	-	-
7	B	-	-	-	-	-

### 1 PECVD

40nm	ADC Lok Lok ACHM PECVD	40nm			1,538
28nm-14nm	DARC HTN a-Si PECVD	28nm-14nm SiO <sub>2</sub> SiN TEOS			7,130
10nm	10nm PECVD				6,593
28nm	1	2			36,014

					994
TF-Lite	4/6	LED SiO <sub>2</sub> PECVD			291
12 HDPCV D	12	PECVD			3,806

## 2 ALD

ALD HTM SiO <sub>2</sub>	NAND	128 3D SiO <sub>2</sub> ALD			10,016
28nm Thermal ALD AlOx		28nm Thermal ALD AlOx			3,860

## 3 SACVD

	28nm 5:1				1,140

**1**

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	12,955.63	12,278.18	7,431.87	10,797.31
	37,389.57	43,562.77	25,125.15	7,064.40
	34.65%	28.19%	29.58%	152.84%

10,797.31      7,431.87      12,278.18

12,955.63      152.84%    29.58%    28.19%    34.65%

2018      100%

**2**

"

" "

" "

" " 3

"

1		ACHM 3D		
2		PECVD		
3		3D NAND PECVD		

---

--	--	--	--	--	--

4

ALD

A

---

"

**4**

**1**

1

2

---

3

2

10

28

128 3D NAND

1Y DRAM

LED

TSV

2.5D-IC 3D-IC

---

	14,107.99	3,185.65	-	10,922.33	77.42%

---

24

" 2

"

**1**

2022 3 8

1	900		2015 011	52,107.19			2064.11.17	

**2**

2022

3 8

22

10

2

3

**3**

2022 3 8

174

153

77

75

1

21

17

4

98

"

4

"

"

"

" 90-65nm

"

" 1x nm 3D NAND

PECVD

"

4

2022 3 8

5

1		sypiotech.cn	2010.03.04-2023.03.04
2		.cn	2015.09.30-2025.09.30
3		.com	2015.09.30-2025.09.30
4		.cn	2018.06.29-2028.06.29
5		.com	2018.06.29-2028.06.29

1	GB/T19001-2016/ISO 9001:2015	00219Q26844R3M	2019/12/9	2022/12/14
2	GB/T 24001-2016/ISO14001:2015	00219E33749R3M	2019/12/9	2022/12/14
3	GB/T 45001-2020/ISO 45001:2018	00219S23276R3M	2019/12/9	2022/12/14
4		03915312	2021/2/1	
5		GR202121001035	2021/12/14	2024/12/13
6		912101005507946696001 Z	2020/4/10	2025/4/9
7	SEMI S2	6400-1A-AS2/BA181201	-	-

2022 1 7

2021

2021 12 14

---

GR202121001035

2021 12 14

2016 32

SEMI S2



**1**

2021 1 8

2021

**2**

2022 3 8

5

**1**

2021 1 8

2021



9

1

3

**2**

**3**

18

2022 3 8

7

**1**

2021 1 8

2021

3

6

2

**2**

---

2

2022 3 8

4

**1**

2021 1 8

**2**

2021 1 8

3

2021 1 8

2022 3 8

1

---

SAP PLM OA

2020 7

SAP

2021 1 6

PLM

2021 9 2

OA

2021 11 2

OA

OA

---

[2022]9

2021 9 30

5%

5%

W



5%

" " " " " 5  
" "

36

**1**

**5%**

5%

1		26.48%
2		18.23%

3		11.20%
4		7.39% 8.97%
5		8.97% 1.58%
6		6.57%
7		15.1920%

5%

5%

2

5%

2021 12 31

5%

1		100.00%
2		100.00%
3		100.00%
4		100.00%
5		100.00%
6		100.00%
7		100.00%
8		100.00%
9	AMEC North America, Inc.	100.00%
10	AMEC Japan Co., Inc.	100.00%
11	Advanced Micro-Fabrication Equipment Korea Ltd.	100.00%
12	Advanced Micro-Fabrication Equipment International Pte. Ltd.	100.00%

13		95.00%

**3**

"

" "

" "

"

**4**

18

"

" "

" "

"

**5**

"

" "

"

1		
2		
3		

4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

**6**

	/	
1		2021 1 8 2021 11 24
2		2021 1 8 2021 4 8
3		2017 9 6 2021 1 7
4		2017 1 1 2021 1 7
5		2017 1 1 2021 1 7
6		2017 9 6 2021 1 7
7		2017 1 1 2021 1 7
8		2017 4 13 2021 1 7
9		2017 1 1 2019 11 21

	/					
10		2017	1	1	2017	9 6
11		2017	1	1	2017	9 6
12		2017	9	6	2017	11 15
13		2017	11	15	2019	4 3
14			1	1	2017	9 6
15		2017	1	1	2017	9 6
16		2017	9	6	2018	11 28

	/	
34		
35	Solayer GmbH	
36		2019 10
37		
38		2021 9
39		2001 2022 5 3 8
40		
41		
42		2021 4
43		
44		2020 1
45		2020 3
46		2019 12
47		2019 12 12 2019 12
48		2019 12 2018 11
49		2019 11
50		2019 11 2021 9 17

	/	
57		2021 1
58		
59		
60		
61		2021 10 15
62		2021 6
63		
64		
65		
66		8 2021 11 2019
67		8 2017
68		9 2017
69		2017 8
70		2017 2
71		9 2021 10 2018
72		2019 7
73		2020 1 20
74		2020 6 11
75		2017 8
76		2017 5
77		2017 9
78		11 2017
79		2018 6

	/	
80		2018 3
81		2018 5
82		2018 5
83		2018 6
84		2017 5
85		90.00%
86		
87		2017 9 8
88		2021 6 22
89		
90		2021 4
91		
92		
93		
94		
95		2020 7
96		2019 12
97		2019 12
98		99.00% 2021 7
99		99.00% 2021 7

7

--	--	--

1		20.00%
2		99.70%
3		8.97%
4		
5		98.00%

18

12

12

**1**

1

		2021 1-9	2020	2019	2018
			33.98	895.55	26.28
					44.20
			<b>33.98</b>	<b>895.55</b>	<b>70.47</b>

		2021	1-9	2020	2019	2018
		37,389.57		43,562.77	25,125.15	7,064.40
				0.08%	3.56%	1.00%

0.00  
 2019

70.47      895.55      33.98

1.00%   3.56%   0.08%   0.00%

2019

PECVD

2019      867.70      PECVD

PF-300T

851.20

32.93%      2019

31.99%

2016      2017

PECVD

		<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
		1,393.81	821.20	307.05	87.30
		25.13	67.02	20.62	10.75
		73.98	191.68	21.32	38.10
		101.95	135.56	149.76	89.88
			38.12	38.12	119.13
		110.49	157.44	52.36	
		7.35	42.83		
		1.60	3.20		
		<b>1,714.31</b>	<b>1,457.06</b>	<b>589.22</b>	<b>345.16</b>
		20,271.00	28,725.47	17,122.39	4,827.04
		8.46%	5.07%	3.44%	7.15%

345.16

589.22      1,457.06      1,714.31

7.15%

3.44%   5.07%   8.46%

2021   1-9

---

2020

5%

300 CVD

---

SAP PLM OA

SAP

SAP

2017

2020

3

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	681.04	1,309.32	1,008.89	968.97

2018 2019 2020 2021 1-9

968.97 1,008.89 1,309.32

681.04

2

1

		2021 1-9	2020	2019	2018
				6.87	
				<b>6.87</b>	
		37,389.57	43,562.77	25,125.15	7,064.40
				0.03%	

2019

6.87

0.03%

2

		2021 1-9	2020	2019	2018
					22.22
					0.27
					<b>22.50</b>
		20,271.00	28,725.47	17,122.39	4,827.04
					0.47%

2018

22.50

0.47%

2018

---

2018

3

4

5

" " " " "

6

5%

2019 12

2019 11

666 2020 1

2020 1

2019 11

592

202.99 2020

3

1		2018-2020	955.81	
2		2018	44.20	
3			2,609.36	
4			123.52	
5			325.08	
6			477.15	
7		2018-2020	195.38	SAP PLM OA
8		2019-2020 <b>2021</b> <b>1-9</b>	320.29	
9		2020 2021 1-9	50.18	
10		2020 2021 1-9	4.80	
11			3,968.22	
12		2019	6.87	
13		2018	22.22	
14		2018	0.27	
15		2020	-	
16		2019-2020	666.00	
17		2019-2020	592.00	
18		2020	202.99	

4

1

		2021.9.30		2020.12.31		2019.12.31		2018.12.31	
		-	-	24.00	0.24	110.94	1.11	30.48	0.30
		110.49	-	-	-	-	-	-	-
		<b>110.49</b>	<b>-</b>	<b>24.00</b>	<b>0.24</b>	<b>110.94</b>	<b>1.11</b>	<b>30.48</b>	<b>0.30</b>

110.49

PLM

2

		2021.9.30	2020.12.31	2019.12.31	2018.12.31
		892.64	744.81	258.98	52.92
		60.94	61.31	14.00	5.60
		88.00	40.88	18.91	14.94
					70.00
			15.85	16.80	
		<b>1,041.57</b>	<b>862.85</b>	<b>308.68</b>	<b>143.46</b>
		773.93	463.30	55.84	
		<b>773.93</b>	<b>463.30</b>	<b>55.84</b>	
				592.00	
				666.00	
				<b>1,258.00</b>	



---

"

**1**

"

" "

"

**2**

18



[2022]8

688037.SH                      688082.SH                      688012.SH  
A20569.SH

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	805,305,025.10	1,003,997,490.65	362,168,782.00	275,452,133.79
	3,500,000.00	-	400,000.00	-
	122,271,243.23	71,891,698.48	131,388,588.66	62,719,948.71
	45,043,841.65	3,681,029.76	2,077,991.38	2,782,662.47
	4,247,759.12	3,004,445.00	3,069,298.49	14,994,004.70
	978,388,317.42	512,080,385.24	349,976,861.13	322,327,688.24
	8,105,281.41	2,648,200.50	-	-
	1,823,580.00	535,590.00	-	-

---

2021  
9 30

	<b>2021 9 30</b>	<b>2020 12 31</b>	<b>2019 12 31</b>	<b>2018 12 31</b>
	834.23			
	<b>252,474,518.97</b>	<b>298,024,307.97</b>	<b>58,735,192.25</b>	<b>56,490,157.77</b>
	<b>1,165,023,796.85</b>	<b>691,570,347.59</b>	<b>259,847,317.16</b>	<b>232,292,115.77</b>
	94,858,997.00	94,858,997.00	78,411,628.50	71,174,787.00
	1,001,575,585.12	1,280,812,453.49	977,830,688.99	845,585,030.67
	-	1,303,267.08	1,303,267.08	1,303,267.08
	84,466,514.33	-254,765,043.20	-243,276,027.54	-223,909,579.30
	<b>1,180,901,096.45</b>	<b>1,122,209,674.37</b>	<b>814,269,557.03</b>	<b>694,153,505.45</b>
	-625,975.59	289,071.44	-	-
	<b>1,180,275,120.86</b>	<b>1,122,498,745.81</b>	<b>814,269,557.03</b>	<b>694,153,505.45</b>
	<b>2,345,298,917.71</b>	<b>1,814,069,093.40</b>	<b>1,074,116,874.19</b>	<b>926,445,621.22</b>

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	<b>373,895,652.48</b>	<b>435,627,676.17</b>	<b>251,251,546.85</b>	<b>70,644,026.75</b>
	202,710,018.66	287,254,727.29	171,223,934.80	48,270,366.35
	4,761,891.55	2,185,328.84	2,195,898.70	2,110,727.48
	52,939,055.57	66,354,085.59	46,976,512.91	40,257,517.58
	23,478,596.10	27,932,438.64	21,442,074.96	22,504,724.76
	129,556,328.43	122,781,824.63	74,318,715.86	107,973,139.03
	-15,180,671.38	-10,358,884.67	-3,314,987.71	-3,163,711.40
	80,832,808.55	51,033,846.90	43,328,955.34	46,970,517.70
" "	-1,771,862.93	-5,209,649.49	-148,999.15	-2,882,623.31
" "	1,592,798.90	945,595.60	-964,609.54	-

	2021 1-9	2020	2019	2018
" "	-12,968.60	-4,771.48	-	-7,390.19
" -"	<b>56,271,209.47</b>	<b>-13,756,822.62</b>	<b>-19,375,256.02</b>	<b>-103,228,232.85</b>
	1,111,524.30	2,072,507.32	39,404.58	5,347.47
	-	15,628.92	30,596.80	-
" -"	<b>57,382,733.77</b>	<b>-11,699,944.22</b>	<b>-19,366,448.24</b>	<b>-103,222,885.38</b>
	333,999.92		-	-
" -"	<b>57,048,733.85</b>	<b>-11,699,944.22</b>	<b>-19,366,448.24</b>	<b>-103,222,885.38</b>
" -"	57,963,780.88	-11,489,015.66	-19,366,448.24	-103,222,885.38
	-915,047.03	-210,928.56	-	-
	-	-	-	-
	<b>57,048,733.85</b>	<b>-11,699,944.22</b>	<b>-19,366,448.24</b>	<b>-103,222,885.38</b>
	57,963,780.88	-11,489,015.66	-	-
	-915,047.03	-210,928.56	-	-
:				
	0.61	-	-	-
	0.61	-	-	-

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	2,200,766.10	2,570,145.66	1,838,195.92	40,011,866.33
	68,748,599.67	266,527,927.41	52,444,955.35	58,821,309.89
	785,578,382.10	909,461,629.80	273,044,388.39	213,339,166.00
	686,685,832.40	449,693,393.12	197,726,377.65	236,470,097.26
	91,135,201.95	72,577,425.41	64,185,926.06	59,785,822.15
	23,491,670.02	16,001,266.45	2,142,907.11	4,148,143.14
	60,238,425.78	62,276,839.83	30,745,230.35	40,950,269.79
	861,551,130.15	600,548,924.81	294,800,441.17	341,354,332.34
	<b>-75,972,748.05</b>	<b>308,912,704.99</b>	<b>-21,756,052.78</b>	<b>-128,015,166.34</b>
	-	-	-	-
	-	-	-	-
	1,150.00	467,983.21	-	1,896.55
	-	-	-	2,854,143.82
	1,150.00	467,983.21	-	2,856,040.37
	104,273,447.26	6,310,245.86	14,374,680.43	5,565,720.23
	-	-	-	-
	-	-	-	-

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	104,273,447.26	6,310,245.86	14,374,680.43	5,565,720.23
	<b>-104,272,297.26</b>	<b>-5,842,262.65</b>	<b>-14,374,680.43</b>	<b>-2,709,679.86</b>
	-	313,000,002.00	137,499,998.00	-
	-	-	15,320,668.36	33,324,791.81
	-	-	12,580,000.00	-
	-	313,000,002.00	165,400,666.36	33,324,791.81
	-	-	45,584,783.87	76,428,787.18
	-	-	638,090.78	2,183,166.15
		-	-	-
	3,595,567.76	10,550,091.27	-	-
	3,595,567.76	10,550,091.27	46,222,874.65	78,611,953.33
	<b>-3,595,567.76</b>	<b>302,449,910.73</b>	<b>119,177,791.71</b>	<b>-45,287,161.52</b>
	<b>378,682.36</b>	<b>-1,193,818.66</b>	-	-
	<b>-183,461,930.71</b>	<b>604,326,534.41</b>	<b>83,047,058.50</b>	<b>-176,012,007.72</b>
	949,780,236.54	345,453,702.13	262,406,643.63	438,418,651.35
	<b>766,318,305.83</b>	<b>949,780,236.54</b>	<b>345,453,702.13</b>	<b>262,406,643.63</b>

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	719,310,598.80	948,649,686.56	362,168,782.00	275,452,133.79
	3,500,000.00	-	400,000.00	-
	123,000,449.23	73,822,594.48	131,388,588.66	62,719,948.71
	43,080,636.68	3,681,029.76	2,077,991.38	2,782,662.47
	58,436,685.59	2,864,502.56	3,069,298.49	14,994,004.70
	973,696,056.95	512,080,385.24	349,976,861.13	322,327,688.24
	2,648,200.50	2,648,200.50	-	-
	1,823,580.00	535,590.00	-	-
	67,421,255.58	11,038,579.86	7,477,183.17	15,980,448.11
	<b>1,992,917,463.33</b>	<b>1,555,320,568.96</b>	<b>856,558,704.83</b>	<b>694,256,886.02</b>
	-	-	-	60,000.00
	57,500,000.00	5,500,000.00	-	-
	157,488,478.62	164,682,844.14	177,830,871.35	191,018,140.79
	36,247,186.30			
	36,763,420.62	38,198,406.02	39,727,298.01	40,846,594.41
	-	-	-	-
	9,498,105.36	2,132,350.00	-	264,000.00
	<b>297,497,190.90</b>	<b>210,513,600.16</b>	<b>217,558,169.36</b>	<b>232,188,735.20</b>
	<b>2,290,414,654.23</b>	<b>1,765,834,169.12</b>	<b>1,074,116,874.19</b>	<b>926,445,621.22</b>
	-	-	-	30,156,652.33
	120,866,654.75	91,586,184.48	36,229,223.78	29,175,678.80

	<b>2021 9 30</b>	<b>2020 12 31</b>	<b>2019 12 31</b>	<b>2018 12 31</b>
	260,389,983.33	122,425,061.53	82,393,615.66	60,930,817.87
	-	-	56,002,078.20	46,842,000.00
	447,122,775.69	134,257,091.68	-	-
	15,024,039.53	21,832,003.79	11,081,991.19	6,716,786.32
	2,340,656.33	4,984,034.69	2,198,791.25	1,801,265.25
	44,246.50	330,566.11	13,206,424.83	178,757.43
	57,985,782.05	17,453,421.92	-	-
	<b>903,774,138.18</b>	<b>392,868,364.20</b>	<b>201,112,124.91</b>	<b>175,801,958.00</b>
	-	-	-	350,985.49
	30,231,880.67	27,619,567.44	12,504,894.76	3,844,737.99
	171,200,624.13	222,523,281.43	46,230,297.49	52,294,434.29
	<b>201,432,504.80</b>	<b>250,142,848.87</b>	<b>58,735,192.25</b>	<b>56,490,157.77</b>
	<b>1,105,206,642.98</b>	<b>643,011,213.07</b>	<b>259,847,317.16</b>	<b>232,292,115.77</b>
	94,858,997.00	94,858,997.00	78,411,628.50	71,174,787.00
	1,001,575,585.12	1,280,812,453.49	977,830,688.99	845,585,030.67
	-	1,303,267.08	1,303,267.08	1,303,267.08
	88,773,429.13	-254,151,761.52	-243,276,027.54	-223,909,579.30
	<b>1,185,208,011.25</b>	<b>1,122,822,956.05</b>	<b>814,269,557.03</b>	<b>694,153,505.45</b>
	<b>2,290,414,654.23</b>	<b>1,765,834,169.12</b>	<b>1,074,116,874.19</b>	<b>926,445,621.22</b>

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	<b>364,537,628.71</b>	<b>437,467,676.17</b>	<b>251,251,546.85</b>	<b>70,644,026.75</b>
	203,348,749.77	288,932,379.60	171,223,934.80	48,270,366.35
	4,397,427.86	2,183,961.84	2,195,898.70	2,110,727.48

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	44,226,625.03	66,354,085.59	46,976,512.91	40,257,517.58
	22,433,663.12	27,750,314.24	21,442,074.96	22,504,724.76
	121,923,765.23	120,164,551.48	74,318,715.86	107,973,139.03
	-15,028,130.17	-10,356,614.01	-3,314,987.71	-3,163,711.40
	77,981,665.47	48,915,306.00	43,328,955.34	46,970,517.70
" "	-1,716,740.90	-5,209,649.49	-148,999.15	-2,882,623.31
" "	1,058,405.86	927,505.16	-964,609.54	-
" "	-12,968.60	-4,771.48	-	-7,390.19
" -"	<b>60,545,889.70</b>	<b>-12,932,612.38</b>	<b>-19,375,256.02</b>	<b>-103,228,232.85</b>
	1,111,524.30	2,072,507.32	39,404.58	5,347.47
	-	15,628.92	30,596.80	-
" -"	<b>61,657,414.00</b>	<b>-10,875,733.98</b>	<b>-19,366,448.24</b>	<b>-103,222,885.38</b>
	-	-	-	-
" -"	<b>61,657,414.00</b>	<b>-10,875,733.98</b>	<b>-19,366,448.24</b>	<b>-103,222,885.38</b>
	<b>61,657,414.00</b>	<b>-10,875,733.98</b>	<b>-19,366,448.24</b>	<b>-103,222,885.38</b>

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	712,764,772.79	640,363,556.73	218,761,237.12	114,505,989.78
	2,200,766.10	2,570,145.66	1,838,195.92	40,011,866.33
	68,331,494.66	216,525,331.75	52,444,955.35	58,821,309.89
	783,297,033.55	859,459,034.14	273,044,388.39	213,339,166.00
	681,956,929.67	449,698,720.94	197,726,377.65	236,470,097.26

---

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	84,489,040.08	72,153,895.09	64,185,926.06	59,785,822.15
	22,505,242.49	16,000,516.45	2,142,907.11	4,148,143.14
	57,463,573.71	62,053,475.89	30,745,230.35	40,950,269.79
	846,414,785.95	599,906,608.37	294,800,441.17	341,354,332.34

**-63,117,752.40 259,552,425.77**

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	-	-	15,320,668.36	33,324,791.81
	-	-	12,580,000.00	-
	-	312,500,002.00	165,400,666.36	33,324,791.81
	-	-	45,584,783.87	76,428,787.18
	-	-	638,090.78	2,183,166.15
	3,120,000.00	10,550,091.27	-	-
	3,120,000.00	10,550,091.27	46,222,874.65	78,611,953.33
	<b>-3,120,000.00</b>	<b>301,949,910.73</b>	<b>119,177,791.71</b>	<b>-45,287,161.52</b>
	<b>378,682.36</b>	<b>-1,193,818.66</b>	-	-
	<b>-214,108,552.92</b>	<b>548,978,730.32</b>	<b>83,047,058.50</b>	<b>-176,012,007.72</b>
	894,432,432.45	345,453,702.13	262,406,643.63	438,418,651.35
	<b>680,323,879.53</b>	<b>894,432,432.45</b>	<b>345,453,702.13</b>	<b>262,406,643.63</b>

[2022]8

2018 12 31 2019

12 31 2020 12 31 2021 9 30

2018 2019 2020 2021 1-9

---

				2018	2019
2020	2021	1-9			

**1**

				7,064.40	25,125.15
43,562.77	37,389.57	2019	2020		
	255.66%	73.38%			
1	2018	2019			

2 2020 2021 1-9

---

2

		33,052.11	35,782.99
52,381.17	99,031.84	819.34	785.31
1,173.13	1,193.01	32,232.77	34,997.69
51,208.04	97,838.83		

0.5%

0.5%

"

"

---

2014

3

--	--	--	--	--

---

---		12

a


b

---

	%
6	1.00
7-12	5.00
1-2	15.00
2-3	20.00

	%
3-4	30.00
4-5	50.00
5	100.00

**2 2018**

1

	200	10%

2


	%	%	%
6	1.00	1.00	1.00
7-12	5.00	5.00	5.00
1-2	15.00	15.00	15.00
2-3	20.00	20.00	20.00
3-4	30.00	30.00	30.00
4-5	50.00	50.00	50.00
5	100.00	100.00	100.00

3


---

**1**

**2**

**3**

**4**

**5**

**1**

---

**2**

			%	%
		20	5	4.75
		3-5	5	31.67-19.00
		5-10	5	19.00-9.50
		4	5	23.75

**1**

**2**

	50	
	10	
	5-10	

---

**1 2020 2021 1-9**

1

2

3

!



**2 2018**

**2019**

1

a

b

c

d

e

2

**1**

1



2

**2**

**3**

**4**

**1**

1

2019 1 1

22 —

—

23 —

24 —

37 —

---

2019 1 1

2019 1 1

	2018 12 31		2019 1 1
	275,452,133.79	4,642,800.00	280,094,933.79
	14,994,004.70	-4,642,800.00	10,351,204.70
	30,156,652.33	43,826.43	30,200,478.76
	178,757.43	-43,826.43	134,931.00

2

2020 1 1

14

2020 1 1

2020 1 1

	2019 12 31		2020 1 1
	131,388,588.66	-14,093,432.41	117,295,156.25
	-	13,557,842.41	13,557,842.41
	-	535,590.00	535,590.00
	56,002,078.20	-56,002,078.20	-
	-	49,384,832.58	49,384,832.58
	-	6,617,245.62	6,617,245.62

---

2

1

[2008]43

[2022]11

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	-1.30	-1.95	-2.06	-0.74
	8,184.57	5,096.14	4,326.27	4,691.53
	52.49	-	-	-
	1.15	207.16	2.94	0.53
	-64.05	-685.67	-17.17	-20.57
	<b>8,172.86</b>	<b>4,615.68</b>	<b>4,309.98</b>	<b>4,670.76</b>
" - "	-	-	-	-
	71.28	52.96	-	-
	8,101.59	4,562.72	4,309.98	4,670.76
	5,796.38	-1,148.90	-1,936.64	

		17% 16% 13%	1
		25% 15%	2
		7%	
		3%	
		2%	
	1.2%	30%	1.2% 12%
		12%	

1 [2018]32  
 2018 5 1 17%  
 16%  
 2019 39 2019 4 1  
 16% 13%  
 2

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	15%	15%	15%	15%
	25%	25%		

2018 7 31

GR201821000060

2018-2020 15%

2022 1 7

2021

2021 12 14  
 GR202121001035

2017 24

15%

2021

2021 1-9 15%

	2021 9 30 /2021 1-9	2020 12 31 /2020	2019 12 31 /2019	2018 12 31 /2018
	2.23	4.09	4.26	3.95
	1.16	2.79	2.52	2.12
	48.25%	36.41%	24.19%	25.07%
	49.67%	38.12%	24.19%	25.07%
	3.78	4.17	2.51	1.22
	0.27	0.65	0.50	0.17
	5,532.71	-602.35	-594.74	-9,023.10
	5,796.38	-1,148.90	-1,936.64	-10,322.29
	-2,305.21	-5,711.62	-6,246.63	-14,993.05
	34.65%	28.19%	29.58%	152.84%
/	-0.80	3.26	-0.28	-1.80
/	-1.93	6.37	1.06	-2.47
/	12.45	11.83	10.38	9.75

1 = + - + + +

2010

		%	/	
2021 1-9		5.03	0.61	0.61
		-2.00	-0.24	-0.24
2020		-1.11	/	/
		-5.52	/	/
2019		-2.83	/	/
		-9.11	/	/

2018

---

**2**

**3**

**4**

				SEMI
2014	375	2020	712	
11.28%				

---

SEMI

2020

187.2

39%

**1**

148.32%

**2**

33.00% 31.99% 34.12% 45.55%

À@ÑbþG3,8rBY)

152.84% 29.58% 28.19% 34.65%

**1**

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	37,389.57	43,562.77	25,125.15	7,064.40
	17,118.56	14,837.29	8,002.76	2,237.37
	5,627.12	-1,375.68	-1,937.53	-10,322.82
	5,738.27	-1,169.99	-1,936.64	-10,322.29
	5,796.38	-1,148.90	-1,936.64	-10,322.29
	-2,305.21	-5,711.62	-6,246.63	-14,993.05

2018 255.66% 2018-2020 2020 2019 73.38% 2019 148.32%

**2**

1

SEMI

2014

2020

---

11.28% 2020  
39%

187.2

PECVD

ACHM Lok

PECVD ALD SACVD

2

2018 2020

1

	2021 1-9		2020		2019		2018	
	36,399.05	97.35%	42,876.27	98.42%	24,772.45	98.60%	6,629.86	93.85%
	990.52	2.65%	686.50	1.58%	352.70	1.40%	434.55	6.15%
	<b>37,389.57</b>	<b>100%</b>	<b>43,562.77</b>	<b>100%</b>	<b>25,125.15</b>	<b>100%</b>	<b>7,064.40</b>	<b>100%</b>

2

	2021 1-9		2020		2019		2018	
PECVD	32,283.16	88.69%	41,824.53	97.55%	24,772.45	100%	5,170.28	77.98%
PF-300T	20,692.42	56.85%	32,117.87	74.91%	14,873.60	60.04%	4,189.28	63.18%
PF-200T	11,590.74	31.84%	9,706.66	22.64%	9,898.85	39.96%	981.00	14.80%
ALD	0.00	0.00%	184.48	0.43%	0.00	0.00%	1,459.58	22.02%
SACVD	4,115.89	11.31%	867.26	2.02%	0.00	0.00%	0.00	0.00%
	<b>36,399.05</b>	<b>100%</b>	<b>42,876.27</b>	<b>100%</b>	<b>24,772.45</b>	<b>100%</b>	<b>6,629.86</b>	<b>100%</b>

PECVD ALD SACVD

PECVD

PECVD

3

PECVD

12 PECVD PF-300T 8 PECVD PF-200T PF-300T  
 28nm FLASH DRAM PF-200T  
 90nm 3D TSV  
 1 TM PM PM  
 1-3 PM PF-300T

PF-200T

		2021 1-9	2020	2019	2018
<b>PF-300T</b>					
	TM+PM	46	86	41	12
		/	109.76%	241.67%	
	/TM+PM	449.84	373.46	362.77	349.11
		20.45%	2.95%	3.91%	
		20,692.42	32,117.87	14,873.60	4,189.28
		/	115.94%	255.04%	
<b>PF-200T</b>					
	TM+PM	39	28	30	4
		/	-6.67%	650.00%	
	/TM+PM	297.20	346.67	329.96	245.25
		-14.27%	5.06%	34.54%	
		11,590.74	9,706.66	9,898.85	981.00
		/	-1.94%	909.06%	

TM+PM

PF-200T PF-300T

PF-300T PF-200T

---

2021	1-9	PF-300T	2020	20.45%	2021	1-9
		Lok		PF-300T ex		
2019		PF-200T	2018	34.54%		
2018		1 PF-200T				PF-200T
		2021 1-9		,		
		2020	14.27%	PF-200T		
		PECVD				
1						
2						
3						
4				2019		
				DRAM		2020
4						

	2021 1-9		2020		2019		2018	
	14,684.94	40.34%	18,904.97	44.09%	10,810.00	43.64%	981.00	14.80%
	8,466.92	23.26%	12,611.71	29.41%	9,761.87	39.41%	1,459.58	22.02%
	7,216.18	19.83%	8,218.48	19.17%	1,373.15	5.54%	1,494.84	22.55%
	6,031.00	16.57%	3,141.11	7.33%	0.00	0.00%	0.00	0.00%
	0.00	0.00%	0.00	0.00%	1,500.00	6.06%	0.00	0.00%
	0.00	0.00%	0.00	0.00%	1,327.43	5.36%	2,694.44	40.64%
	<b>36,399.05</b>	<b>100%</b>	<b>42,876.27</b>	<b>100%</b>	<b>24,772.45</b>	<b>100%</b>	<b>6,629.86</b>	<b>100%</b>

5

	2021 1-9		2020		2019		2018	
	36,399.05	100%	41,429.27	96.63%	19,015.30	76.76%	6,629.86	100%
	0.00	0.00%	1,447.00	3.37%	5,757.15	23.24%	0.00	0.00%
	<b>36,399.05</b>	<b>100%</b>	<b>42,876.27</b>	<b>100%</b>	<b>24,772.45</b>	<b>100%</b>	<b>6,629.86</b>	<b>100%</b>

2020                      5,757.15                      1,447.00                      2017                      2019  
23.24%                      3.37%

6

	2021 1-9		2020		2019		2018	
	5,294.30	14.55%	1,444.83	3.37%	0.00	0.00%	0.00	0.00%
	5,195.10	14.27%	740.00	1.73%	0.00	0.00%	0.00	0.00%
	25,909.65	71.18%	13,693.74	31.94%	3,428.00	13.84%	4,154.02	62.66%
	/	/	26,997.70	62.97%	21,344.45	86.16%	2,475.84	37.34%
	<b>36,399.05</b>	<b>100%</b>	<b>42,876.27</b>	<b>100%</b>	<b>24,772.45</b>	<b>100%</b>	<b>6,629.86</b>	<b>100%</b>

		2020	2019	2018
		18.15%	19.33%	3.67%
		24.89%	21.82%	24.73%
		21.90%	21.39%	31.14%
		35.06%	37.47%	40.46%
		<b>100%</b>	<b>100%</b>	<b>100%</b>
		2.59%	4.83%	8.04%
		16.40%	26.61%	14.87%
		45.45%	13.46%	26.18%
		35.57%	55.10%	50.91%
		<b>100%</b>	<b>100%</b>	<b>100%</b>
		13.79%	13.02%	6.90%

		<b>2020</b>	<b>2019</b>	<b>2018</b>
		21.52%	26.38%	26.06%
		27.03%	36.92%	21.47%
		37.66%	23.67%	45.57%
		<b>100%</b>	<b>100%</b>	<b>100%</b>
		7.08%	0.34%	0.71%
		8.55%	16.36%	35.76%
		23.13%	31.02%	0.59%
		61.24%	52.27%	62.94%
		<b>100%</b>	<b>100%</b>	<b>100%</b>
		10.40%	9.38%	4.83%
		17.84%	22.79%	25.35%
		29.38%	25.70%	19.84%
		42.38%	42.13%	49.97%
		<b>100%</b>	<b>100%</b>	<b>100%</b>

2020

7

"

"

"

" "

"

1

---

	2021 1-9		2020		2019		2018	
	19,818.68	97.77%	28,249.02	98.34%	16,846.58	98.39%	4,442.10	92.03%
	452.32	2.23%	476.45	1.66%	275.81	1.61%	384.94	7.97%
	<b>20,271.00</b>	<b>100%</b>	<b>28,725.47</b>	<b>100.00%</b>	<b>17,122.39</b>	<b>100%</b>	<b>4,827.04</b>	<b>100%</b>

2

	2021 1-9		2020		2019		2018	
PECVD	18,301.32	92.34%	26,979.73	95.51%	16,846.58	100.00%	3,658.11	82.35%
PF-300T	11,482.17	57.94%	20,789.74	73.59%	10,029.46	59.53%	2,797.75	62.98%
PF-200T	6,819.15	34.41%	6,189.99	21.91%	6,817.13	40.47%	860.35	19.37%
ALD	0.00	0.00%	23.83	0.08%	0.00	0.00%	783.99	17.65%
SACVD	1,517.36	7.66%	1,245.46	4.41%	0.00	0.00%	0.00	0.00%
	<b>19,818.68</b>	<b>100.00%</b>	<b>28,249.02</b>	<b>100.00%</b>	<b>16,846.58</b>	<b>100.00%</b>	<b>4,442.10</b>	<b>100.00%</b>

PECVD

PECVD

3

	2021 1-9		2020		2019		2018	
	18,723.81	94.48%	25,531.29	90.38%	15,290.75	90.76%	3,939.76	88.69%
	232.32	1.17%	603.01	2.13%	321.78	1.91%	160.60	3.62%
	862.55	4.35%	2,114.72	7.49%	1,234.06	7.33%	341.73	7.69%
	<b>19,818.68</b>	<b>100%</b>	<b>28,249.02</b>	<b>100%</b>	<b>16,846.58</b>	<b>100%</b>	<b>4,442.10</b>	<b>100%</b>

88.69% 90.76% 90.38% 94.48% 2018  
 2020  
 " " " "

90%

1

	2021 1-9		2020		2019		2018	
PECVD	13,981.84	84.33%	14,844.80	101.49%	7,925.87	100.00%	1,512.17	69.12%
PF-300T	9,210.26	55.55%	11,328.13	77.45%	4,844.15	61.12%	1,391.53	63.61%
PF-200T	4,771.58	28.78%	3,516.67	24.04%	3,081.72	38.88%	120.65	5.51%
ALD	0.00	0.00%	160.66	1.10%	0.00	0.00%	675.59	30.88%
SACVD	2,598.52	15.67%	-378.21	-2.59%	0.00	0.00%	0.00	0.00%
	<b>16,580.36</b>	<b>100.00%</b>	<b>14,627.25</b>	<b>100.00%</b>	<b>7,925.87</b>	<b>100.00%</b>	<b>2,187.76</b>	<b>100.00%</b>

2,187.76 7,925.87

14,627.25      16,580.36      2019      262.28%      2020  
84.55%

PECVD

PECVD      69.12%      100%      101.49%      84.33%

2

1

	2021 1-9		2020		2019		2018	
PECVD	43.31%	88.69%	35.49%	97.55%	31.99%	100.00%	29.25%	77.98%
PF-300T	44.51%	56.85%	35.27%	74.91%	32.57%	60.04%	33.22%	63.18%
PF-200T	41.17%	31.84%	36.23%	22.64%	31.13%	39.96%	12.30%	14.80%
ALD	0.00%	0.00%	87.09%	0.43%	0.00%	0.00%	46.29%	22.02%
SACVD	63.13%	11.31%	-43.61%	2.02%	0.00%	0.00%	0.00%	0.00%
	<b>45.55%</b>	<b>100.00%</b>	<b>34.12%</b>	<b>100.00%</b>	<b>31.99%</b>	<b>100.00%</b>	<b>33.00%</b>	<b>100.00%</b>

2021 1-9

PECVD

PECVD

		2021	1-9	2020	2019	2018
<b>PF-300T</b>						
	TM+PM /	449.84		373.46	362.77	349.11
		20.45%		2.95%	3.91%	
	TM+PM /	249.61		241.74	244.62	233.15
		3.26%		-1.18%	4.92%	
		44.51%		35.27%	32.57%	33.22%
		10.99%		1.93%	2.52%	
		-1.75%		0.77%	-3.16%	
		9.24%		2.70%	-0.64%	
<b>PF-200T</b>						
	TM+PM /	297.20		346.67	329.96	245.25
		-14.27%		5.06%	34.54%	
	TM+PM /	174.85		221.07	227.24	215.09
		-20.91%		-2.71%	5.65%	
		41.17%		36.23%	31.13%	12.30%
		-10.61%		3.32%	22.52%	
		15.55%		1.78%	-3.68%	
		4.94%		5.10%	18.84%	
	PF-300T	-3.34%		0.96%	-1.44%	-20.92%

1 = / × /

2 = / × /

3 = -

2019 PF-300T 2018

---

2020	PF-300T	2019	2.70%		
1.93%		0.77%	2020	PF-300T	
2019	2.95%	2020	PF-300T		
ACHM		2020			
2021 1-9	PF-300T	2020	9.24%		
2021 1-9		PF-300T			,
					,
2019	PF-200T	2018	18.84%		
2018	PF-200T				
PF-200T		2019	PF-200T		
2020	PF-200T	2019	5.10%		
3.32%		1.78%	2020	PF-200T	
2019	5.06%	2020	PF-200T	ACHM	
	2020				
2021 1-9	PF-200T	2020	4.94%		
-10.61%		15.55%	2021 1-9	PF-200T	
	2018		PF-300T	PF-200T	
2018	PF-200T		PF-300T		
2018	PF-200T				
ALD					
2018	2020	ALD	46.23%	87.09%	



---

	<b>2021</b>	<b>1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
		42.68%	37.67%	34.93%	35.50%
		39.59%	41.95%	46.21%	46.27%
			42.65%	44.67%	43.80%



	2021 1-9		2020		2019		2018	
	143.57	2.71%	276.28	4.16%	116.88	2.49%	133.84	3.32%
	113.08	2.14%	217.54	3.28%	203.09	4.32%	161.23	4.00%
	-	0.00%	-	0.00%	106.18	2.26%	26.86	0.67%
	52.12	0.98%	51.95	0.78%	42.89	0.91%	48.33	1.20%
	21.85	0.41%	33.00	0.50%	114.49	2.44%	110.16	2.74%
	18.63	0.35%	22.26	0.34%	23.15	0.49%	22.51	0.56%
	30.25	0.57%	17.61	0.27%	35.81	0.76%	1,054.95	26.21%
	14.27	0.27%	3.20	0.05%	4.59	0.10%	5.86	0.15%
	<b>5,293.91</b>	<b>100%</b>	<b>6,635.41</b>	<b>100%</b>	<b>4,697.65</b>	<b>100%</b>	<b>4,025.75</b>	<b>100%</b>

20.64% 8.28%

6.39% 6.83%

2018-2020

2018-2020

②

5%

2021 1-9	2,761.96	1,819.95	1,047.16	3,534.75
2020	1,250.49	2,143.81	632.35	2,761.96
2019	384.47	1,238.62	372.61	1,250.49
2018	517.82	331.49	464.84	384.47

5,533.87

2,516.96

	2016 2018 3%-5% 2019 2020
	2%
	3% 5%

2020

2019

242.27%

2020

2018-2020

---

2020

2021 1-9

2019  
2020

2018  
2019

41.86

25.96%

2018 5

2019

2018  
2018 8

2018

2018

1,014.90

"

" "

"

	<b>2021</b>	<b>1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
		10.14%	10.41%	10.12%	13.21%
		9.26%	11.34%	9.67%	8.23%
			10.49%	11.20%	10.91%
			9.51%	12.75%	40.61%
		<b>9.70%</b>	<b>10.44%</b>	<b>10.94%</b>	<b>18.24%</b>
		<b>14.16%</b>	<b>15.23%</b>	<b>18.70%</b>	<b>56.99%</b>

2018

2018

2

1

2019

2018

4.72%

2020

2019

649.04

30.27%

445.17

2



---

3

	<b>2021</b>	<b>1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
		7.42%	6.73%	5.59%	7.96%
		11.59%	17.37%	15.96%	13.61%
			4.99%	4.00%	3.71%
			9.37%	13.02%	55.60%
		<b>9.51%</b>	<b>9.62%</b>	<b>9.64%</b>	<b>20.22%</b>
		<b>6.28%</b>	<b>6.41%</b>	<b>8.53%</b>	<b>31.86%</b>

2019

2018

2019

2020

**3**

1

---

	<b>2021 1-9</b>		<b>2020</b>		<b>2019</b>		<b>2018</b>	
	4,645.45	35.86%	3,806.90	31.01%	2,651.82	35.68%	4,981.58	46.14%
	3,673.06	28.35%	3,694.03	30.09%	2,701.16	36.35%	2,310.11	21.40%
	3,463.12	26.73%	3,221.07	26.23%	662.35	8.91%	1,657.75	15.35%
	626.40	4.83%	909.87	7.41%	862.53	11.61%	1,022.15	9.47%
	329.91	2.55%	243.25	1.98%	282.69	3.80%	313.76	2.91%
	32.71	0.25%	207.76	1.69%	68.28	0.92%	67.37	0.62%
	152.87	1.18%	165.17	1.35%	168.45	2.27%	177.56	1.64%
	32.11	0.25%	30.14	0.25%	34.60	0.47%	267.03	2.47%
	<b>12,955.63</b>	<b>100%</b>	<b>12,278.18</b>	<b>100.00%</b>	<b>7,431.87</b>	<b>100.00%</b>	<b>10,797.31</b>	<b>100.00%</b>



	2021 1-9	2020	2019	2018
ALD	1,196.83	888.52	770.99	1,476.79
40nm	19.36	646.74	97.21	300.16
ALDHTM SiO <sub>2</sub>	851.15	613.16	-	-
	1,110.22	353.00	64.98	1.90
	119.62	188.59		
TF-Lite	78.71	125.26	17.29	-
28nm Thermal ALD AIOx	95.23	14.29	-	-
12 HDPCVD	342.78			
	<b>12,955.63</b>	<b>12,278.18</b>	<b>7,431.87</b>	<b>10,797.31</b>

4

	2021 1-9	2020	2019	2018
	12.48%	14.55%	12.00%	7.21%
		13.81%	16.45%	

---

2020

2019  
2018

5

6

		SAP

	2021 1-9		2020		2019		2018	
	-	0.00%	-	0.00%	60.59	0.24%	86.66	1.23%
	1,511.25	4.04%	1,146.69	2.63%	476.09	1.89%	510.32	7.22%
	-40.97	-0.11%	86.42	0.20%	61.18	0.24%	90.94	1.29%
	32.35	0.09%	24.38	0.06%	22.82	0.09%	16.34	0.23%
	1.81	0.00%	-	0.00%	-	0.00%	-	0.00%
	<b>-1,518.07</b>	<b>-4.06%</b>	<b>-1,035.89</b>	<b>-2.38%</b>	<b>-331.50</b>	<b>-1.32%</b>	<b>-316.37</b>	<b>-4.48%</b>

	2021 1-9	2020	2019	2018
	8,074.57	5,096.14	4,326.27	4,691.53
	8.71	7.25	6.62	5.52
	<b>8,083.28</b>	<b>5,103.38</b>	<b>4,332.90</b>	<b>4,697.05</b>



---

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	
" "	-	-	9.56	69.19	
" "	2.85	4.23	3.93	0.12	
	0.35	52.91	7.78	7.78	
	-	-	164.40	17.51	

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	8,074.57	5,096.14	4,326.27	4,691.53
	37,389.57	43,562.77	25,125.15	7,064.40
	21.60%	11.70%	17.22%	66.41%

2018

2020

1

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>			
	-	-	-	100,000	2014 1		
	3,080	9,900	13,300	15,000			1.11
	-	-	-	40,000	2015 7		
	119,200	1,610,640	9,286,500	-	2019 12		19.00
	<b>122,280</b>	<b>1,620,540</b>	<b>9,299,800</b>	<b>155,000</b>			

2010

3 5

2014

2017

2018 2019  
68.92 35.70 2019

11 6

	2021 1-9	2020	2019	2018
	21.85	33.00	114.49	110.16
	17.10	452.16	6.99	13.86
	32.71	207.76	68.28	67.37
	1.10	-	8.49	1.57
	<b>72.76</b>	<b>692.92</b>	<b>198.25</b>	<b>192.96</b>

2019 929.98 2018 2020  
2019 2018 2020  
2019 928.65  
19

2

2020 5 31

2020 6 2020

2019

2020 12 31

2021 3630

	/	
2014	10.10	2015 3295
2015	11.11	2015 3695

		/		
2016		18.50	2017	3411
2017		18.50	2017	3411
2018		19.00	2018	3695
2019		19.00	2019	3500
2020	1-5	19.00	2019	3500
2020	6-12	24.50	2021	3630
2021	1-9	24.50	2021	3630

**1**

2018

2019 1 1

288.26 14.90 520.96

177.19

**2**

2019 1 1

0.00 96.46 -94.56 -159.28

**3**

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	111.15	207.25	3.94	0.53

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	-	1.56	3.06	-

2020

2020 5

2019 12

623.3158

11,843.00

202.99

	<b>2021 1-9</b>		<b>2020</b>		<b>2019</b>		<b>2018</b>	
	-3,570.91	2,069.57	1,023.58	1,379.72	850.33	-	-514.71	-
	173.62	-	-	-	-	-	-	203.98
	235.51	684.76	789.71	509.25	391.09	356.64	437.03	377.51
	106.49	106.52	124.38	124.30	141.54	141.59	138.82	139.68
	<b>-3,055.29</b>	<b>2,860.84</b>	<b>1,937.67</b>	<b>2,013.27</b>	<b>1,382.96</b>	<b>498.23</b>	<b>61.14</b>	<b>721.17</b>

2018

2021 1-9

2021 9 30

---

**1**

1

2

"

"

3

2019 2020

**2**

**3**

---

2021 40

2024 80

2024

4

"

" "

" "

"

"

"

2021 1-9

/%

	2021 1-9	2020 1-9		
	37,389.57	16,329.89	21,059.67	128.96%
	5,627.12	-5,830.60	11,457.72	-

	<b>2021 1-9</b>	<b>2020 1-9</b>		
	5,738.27	-5,629.12	11,367.39	-
	5,704.87	-5,629.12	11,333.99	-
	5,796.38	-5,629.12	11,425.49	-
	-2,305.21	-6,887.65	4,582.44	-

1

2 2020 1-9

2021 1-9

21,059.67

128.96%

11,425.49

4,582.44

**1**

	<b>2021 9 30</b>	<b>2020 12 31</b>	<b>2019 12 31</b>	<b>2018 12 31</b>
	203,685.11	160,904.30	85,655.87	69,425.69
	86.85%	88.70%	79.75%	74.94%
	30,844.78	20,502.61	21,755.82	23,218.87
	13.15%	11.30%	20.25%	25.06%
	<b>234,529.89</b>	<b>181,406.91</b>	<b>107,411.69</b>	<b>92,644.56</b>
	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

---

2

	2021 9 30		2020 12 31		2019 12 31		2018 12 31	
	80,530.50	39.54%	100,399.75	62.40%	36,216.88	42.28%	27,545.21	39.68%
	350.00	0.17%	-	0.00%	40.00	0.05%	-	0.00%
	12,227.12	6.00%	7,189.17	4.47%	13,138.86	15.34%	6,271.99	9.03%
	4,504.38	2.21%	368.10	0.23%	207.80	0.24%	278.27	0.40%
	424.78	0.21%	300.44	0.19%	306.93	0.36%	1,499.40	2.16%
	97,838.83	48.03%	51,208.04	31.83%	34,997.69	40.86%	32,232.77	46.43%
	810.53	0.40%	264.82	0.16%	-	0.00%	-	0.00%
	182.36	0.09%	53.56	0.03%	-	0.00%	-	0.00%
	6,816.60	3.35%	1,120.42	0.70%	747.72	0.87%	1,598.04	2.30%
	<b>203,685.11</b>	<b>100.00%</b>	<b>160,904.30</b>	<b>100%</b>	<b>85,655.87</b>	<b>100%</b>	<b>69,425.69</b>	<b>100%</b>

95.14% 98.48% 98.69% 93.57%

1

	<b>2021 9 30</b>	<b>2020 12 31</b>	<b>2019 12 31</b>	<b>2018 12 31</b>
	80,530.50	100,399.75	36,216.88	27,545.21
	0.45	0.12	0.18	0.15
	76,631.38	94,977.90	34,685.21	26,240.51
	3,898.67	5,421.73	1,531.49	1,304.55

39.68% 42.28% 62.40% 39.54%

2019 2018 8,671.67 31.48%  
2019 12 2019 13,750.00

2020 2019 64,182.87 177.22%  
2020 2020 30,891.27  
64,036.36 31,250.00  
2020 2019 12 31,250.00

2021 9 2020 19,869.25

10,427.23

	<b>2021 9 30</b>	<b>2020 12 31</b>	<b>2019 12 31</b>	<b>2018 12 31</b>
	-	2,399.00	-	-
	3,626.00	2,793.63	1,092.79	1,154.55
	48.90	229.10	438.70	150.00
	223.77	-	-	-
	<b>3,898.67</b>	<b>5,421.73</b>	<b>1,531.49</b>	<b>1,304.55</b>

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	-	-	140.02	-
	<b>3,898.67</b>	<b>5,421.73</b>	<b>1,671.51</b>	<b>1,304.55</b>

2

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	12,356.92	7,406.55	13,476.81	6,540.84
	129.80	217.38	337.95	268.85
	12,227.12	7,189.17	13,138.86	6,271.99
	1.05%	2.93%	2.51%	4.11%

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	12,356.92	7,406.55	13,476.81	6,540.84
	66.84%	-45.04%	106.04%	-
	37,389.57	43,562.77	25,125.15	7,064.40
	-	73.38%	255.66%	-
	-	17.00%	53.64%	92.59%

2021 1-9

2018-2020

2020

2018

1-1-260

---

2018

4

5,046.31

2019

2020

	2021 9 30		2020 12 31		2019 12 31		2018 12 31	
6	12,226.12	98.94%	6,536.83	88.26%	12,232.00	90.76%	5,232.91	80.00%
7-12	120.82	0.98%	9.98	0.13%	26.13	0.19%	189.79	2.90%
1-2	9.98	0.08%	408.71	5.52%	1,002.29	7.44%	439.60	6.72%
2-3	-	-	451.03	6.09%	9.39	0.07%	624.76	9.55%
3-4	-	-	-	-	207.00	1.54%	53.78	0.82%
	<b>12,356.92</b>	<b>100.00%</b>	<b>7,406.55</b>	<b>100.00%</b>	<b>13,476.81</b>	<b>100.00%</b>	<b>6,540.84</b>	<b>100.00%</b>

80%

2

	<b>2021</b>		<b>2020</b>		<b>2019</b>		<b>2018</b>	
	<b>9</b>	<b>30</b>	<b>12</b>	<b>31</b>	<b>12</b>	<b>31</b>	<b>12</b>	<b>31</b>
6	12,226.12	122.26	6,536.83	65.37	12,232.00	122.32	5,232.91	52.33
7-12	120.82	6.04	9.98	0.50	26.13	1.31	189.79	9.49
1-2	9.98	1.50	408.71	61.31	1,002.29	150.34	439.60	65.94
2-3	-	-	451.03	90.21	9.39	1.88	624.76	124.95
3-4	-	-	-	-	207.00	62.10	53.78	16.14
	<b>12,356.92</b>	<b>129.80</b>	<b>7,406.55</b>	<b>217.38</b>	<b>13,476.81</b>	<b>337.95</b>	<b>6,540.84</b>	<b>268.85</b>

	1-2	14.84	10.00	10.00	15.00	15.00
	2-3	60.78	30.00	20.00	20.00	20.00
	3-4	96.49	50.00	25.00	30.00	30.00
	4-5	100.00	80.00	30.00	50.00	50.00
	5	100.00	100.00	100.00	100.00	100.00

2021

2021 9 30		4,399.80	35.61%
		3,640.71	29.46%
		1,854.78	15.01%
		1,773.32	14.35%
		520.30	4.21%
		<b>12,188.91</b>	<b>98.64%</b>
2020 12 31		2,269.88	30.65%
		1,774.24	23.96%
		1,357.60	18.33%
		1,000.31	13.51%
		451.03	6.09%
		<b>6,853.06</b>	<b>92.53%</b>
2019 12 31		4,944.80	36.69%
		2,244.74	16.66%
		1,902.40	14.12%

		1,569.72	11.65%
		1,158.66	8.60%
		<b>11,820.32</b>	<b>87.72%</b>
2018 12 31		3,342.29	51.10%
		1,734.01	26.51%
		317.89	4.86%
		300.31	4.59%
		252.72	3.86%
		<b>5,947.22</b>	<b>90.92%</b>

a.

b.

c.

d.

e.

ICRD

GLOBAL FUNDAMENTAL LIMITED

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	12,356.92	7,406.55	13,476.81	6,540.84
	11,209.07	6,954.40	13,422.71	6,540.84
	90.71%	93.90%	99.60%	100.00%

	2021		2020		2019		2018	
	9	30	12	31	12	31	12	31
	18,917.83	19.10%	8,916.73	17.02%	5,919.63	16.54%	10,260.48	31.04%
	19,012.47	19.20%	5,204.95	9.94%	6,274.73	17.54%	2,525.28	7.64%
	1,599.90	1.62%	1,414.76	2.70%	-	0.00%	3,135.06	9.49%
	59,321.12	59.90%	36,746.35	70.15%	23,503.18	65.68%	17,016.48	51.48%
	138.36	0.14%	85.61	0.16%	74.85	0.21%	101.38	0.31%
	42.17	0.04%	12.76	0.02%	10.61	0.03%	13.42	0.04%
	<b>99,031.84</b>	<b>100.00%</b>	<b>52,381.17</b>	<b>100.00%</b>	<b>35,782.99</b>	<b>100.00%</b>	<b>33,052.11</b>	<b>100.00%</b>
	-1,193.01	-1.20%	1,173.13	2.24%	785.31	2.19%	819.34	2.48%
	<b>97,838.83</b>	<b>98.80%</b>	<b>51,208.04</b>	<b>97.76%</b>	<b>34,997.69</b>	<b>97.81%</b>	<b>32,232.77</b>	<b>97.52%</b>

99.66% 99.76% 99.81%

99.82%

a

2019 2018 4,340.85 42.31%  
 2018 demo 2018

demo

2018

2018

2020 2021 9

b

---

3 0 1 1

5,660.35

6,274.73      6,619.72      20,612.37

c

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	1,181.67	1,164.17	785.31	819.34
	-	-	-	-
	-	-	-	-
	10.62	8.96	-	-
	-	-	-	-
	0.73	-	-	-
	1,193.01	1,173.13	785.31	819.34

a

2018	579.32	284.53	44.51	819.34
2019	819.34	14.90	48.93	785.31
2020	785.31	521.14	142.28	1,164.17
2021 1-9	1,164.17	169.67	152.17	1,181.67

100%

b

2020 TFLITE 8.96 2021  
 9 1.65

Demo

Demo

Demo

Demo

Demo

Demo

Demo

Demo

Demo

20 Demo

17

Demo

3

2021 9

30

17

Demo

7

2

10

Demo

Demo

Demo

Demo

---

Demo

Demo

Demo

4

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	404.69	301.86	314.16	980.87
	-	-	-	464.28
	38.53	36.24	45.94	26.94
	-	-	-	53.12
	<b>443.23</b>	<b>338.10</b>		

	2021		2020		2019		2018	
	9	30	12	31	12	31	12	31
1-2	46.12	6.92	14.44	2.17	12.05	1.81	105.13	15.77
2-3	6.67	1.33	6.68	1.34	105.03	21.01	0.64	0.13
3-4	0.02	0.00	105.00	31.50	0.20	0.06	1.18	0.35
4-5	-	-	-	-	1.18	0.59	-	-
	<b>443.23</b>	<b>18.45</b>	<b>338.10</b>	<b>37.65</b>	<b>360.10</b>	<b>53.17</b>	<b>1,060.93</b>	<b>25.81</b>

2019  
SSNEGroup, Inc. 27.29 2020  
1 1  
2017  
105.00 2021  
5  
278.27 207.80 368.10  
4,504.38 2018 2020  
2021 9  
ICRD 2,512.51

	2021		2020		2019		2018	
	9	30	12	31	12	31	12	31
1	4,463.06	99.08%	324.61	88.19%	163.80	78.83%	256.32	92.11%
1-2	-	0.00%	-	0.00%	44.00	21.17%	21.95	7.89%
2-3	41.32	0.92%	43.49	11.81%	-	0.00%	-	0.00%



	2021		2020		2019		2018	
	9	30	12	31	12	31	12	31
	-	0.00%	-	0.00%	-	0.00%	6.00	0.03%
	15,839.98	51.35%	16,469.53	80.33%	17,783.09	81.74%	19,101.81	82.27%
	10,039.34	32.55%	-	0.00%	-	0.00%	-	0.00%
	167.88	0.54%	-	0.00%	-	0.00%	-	0.00%
	3,676.34	11.92%	3,819.84	18.63%	3,972.73	18.26%	4,084.66	17.59%
	140.30	0.45%	-	0.00%	-	0.00%	-	0.00%
	980.94	3.18%	213.24	1.04%	-	0.00%	26.40	0.11%
	<b>30,844.78</b>	<b>100.00%</b>	<b>20,502.61</b>	<b>100.00%</b>	<b>21,755.82</b>	<b>100.00%</b>	<b>23,218.87</b>	<b>100.00%</b>

99.86% 100% 98.96% 95.82%

2021 9 2020 10,342.18  
10,039.34

1

	2021	2020	2019	2018
	9	12	12	12
	30	31	31	31

	2021		2020		2019		2018	
	9	30	12	31	12	31	12	31
	15,839.98	100.00%	16,469.53	100.00%	17,783.09	100.00%	19,101.81	100.00%

98.79% 98.98% 98.66% 97.81%

a

	2021	2020	2019	2018
	9	12	12	12
	30	31	31	31
	14,107.99	14,090.19	14,090.19	14,090.19
	789.93	654.40	535.22	466.66
	7,400.03	7,158.61	7,200.19	7,083.50
	142.03	90.80	106.32	106.32
	<b>22,439.98</b>	<b>21,993.99</b>	<b>21,931.91</b>	<b>21,746.67</b>
	3,185.65	2,680.88	2,007.85	1,338.57
	495.60	444.18	376.78	270.99
	2,829.25	2,319.71	1,681.10	964.26
	89.50	79.68	83.10	71.04
	<b>6,600.00</b>	<b>5,524.46</b>	<b>4,148.83</b>	<b>2,644.85</b>
	10,922.33	11,409.31	12,082.34	12,751.62
	294.33	210.21	158.44	195.67
	4,570.79	4,838.89	5,519.09	6,119.24
	52.53	11.12	23.22	35.28
	<b>15,839.98</b>	<b>16,469.53</b>	<b>17,783.09</b>	<b>19,101.81</b>

---

2021 1-9

10,039.34

b

				%
			20	5
			3-7	0-5
			3-10	5
			3	0
			5	5
			20	5
			5-10	5
			5	5
			5	5
			10	5
			5-10	5
			3-5	5
			5	5
			4-5	5
			10	3
			3	3



	2021 9 30		2020 12 31		2019 12 31		2018 12 31	
	3,402.84	62.64%	3,402.84	63.15%	3,402.84	64.42%	3,402.84	66.16%
	1,548.94	28.52%	1,548.94	28.75%	1,548.94	29.33%	1,410.00	27.42%
	480.19	8.84%	436.65	8.10%	330.19	6.25%	330.19	6.42%
	<b>5,431.97</b>	<b>100.00%</b>	<b>5,388.43</b>	<b>100.00%</b>	<b>5,281.97</b>	<b>100.00%</b>	<b>5,143.03</b>	<b>100.00%</b>

93.58% 93.75% 91.90% 91.16%

	2021 9 30		2020 12 31		2019 12 31		2018 12 31	
	460.74	26.24%	409.52	26.11%	341.23	26.06%	272.94	25.79%
	1,139.42	64.90%	1,046.58	66.72%	891.69	68.11%	742.58	70.16%
	155.47	8.86%	112.49	7.17%	76.32	5.83%	42.84	4.05%
	<b>1,755.63</b>	<b>100.00%</b>	<b>1,568.59</b>	<b>100.00%</b>	<b>1,309.24</b>	<b>100.00%</b>	<b>1,058.37</b>	<b>100.00%</b>

---

	2021 9 30		2020 12 31		2019 12 31		2018 12 31	
	91,254.93	78.33%	39,354.60	56.91%	20,111.21	77.40%	17,580.20	75.68%
	25,247.45	21.67%	29,802.43	43.09%	5,873.52	22.60%	5,649.02	24.32%
	<b>116,502.38</b>	<b>100.00%</b>	<b>69,157.03</b>	<b>100.00%</b>	<b>25,984.73</b>	<b>100.00%</b>	<b>23,229.21</b>	<b>100.00%</b>

75.68% 77.40% 56.91% 78.33%

2

2

2021 9 30

---

1

2018 3,015.67 12.98%

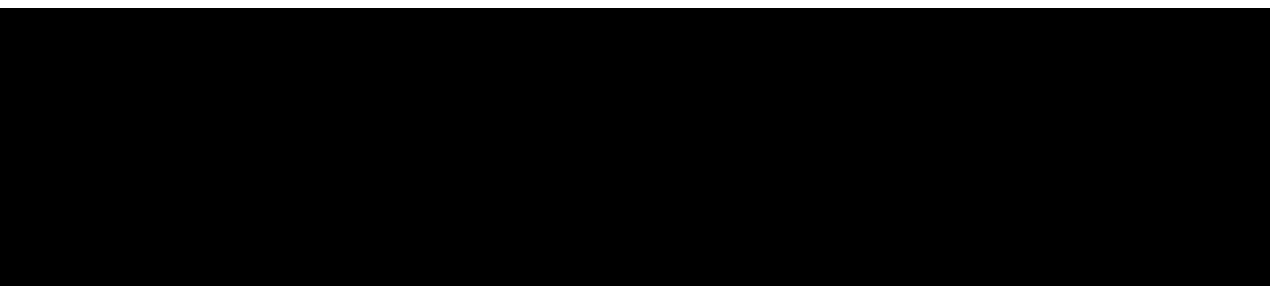
2

	<b>2021 9 30</b>	<b>2020 12 31</b>	<b>2019 12 31</b>	<b>2018 12 31</b>
	12,086.67	9,158.62	3,622.92	2,917.57
	10.37%	13.24%	13.94%	12.56%
	3,626.00	2,793.63	1,092.79	1,154.55
	30.00%	30.50%	30.16%	39.57%

2018 40% 2019 2020

2021 9 30% 2020

3



2018 12 31
---------------



---

13,425.71      44,514.16

4,684.20      5,600.21      0.00

0.00      2020    1    1

2020      0    2020      2021    9

13,425.71      44,514.16

5

671.68      1,108.20      2,242.46

1,873.61

2021    9

2020

2020

6

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	252.44	-	-	-
	173.62			

7

17.88      1,320.64      34.09  
 4.78      2019      2019  
    1,258.00      2020

8

2020      2021      9      1,745.34  
 5,786.69      2020  
 2021      9      13%

3

	2021 9 30		2020 12 31		2019 12 31		2018 12 31	
	-	0.00%	-	0.00%	-	0.00%	35.10	0.62%
	89.50	0.35%	-	0.00%	-	0.00%	-	0.00%
	3,534.76	14.00%	2,761.96	9.27%	1,250.49	21.29%	384.47	6.81%
	0.08	0.00%	-	0.00%	-	0.00%	-	0.00%
	21,623.11	85.64%	27,040.47	90.73%	4,623.03	78.71%	5,229.44	92.57%
	<b>25,247.45</b>	<b>100.00%</b>	<b>29,802.43</b>	<b>100.00%</b>	<b>5,873.52</b>	<b>100.00%</b>	<b>5,649.02</b>	<b>100.00%</b>

2020  
 2019      407.40%      2020

---

1

2018-2020

2

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	21,623.11	27,040.47	4,623.03	5,262.44
	-	-	-	-33.00
	<b>21,623.11</b>	<b>27,040.47</b>	<b>4,623.03</b>	<b>5,229.44</b>

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>	
A	6,041.18	10,734.42	-	-	
	4,503.04	4,788.15	-	-	
PECVD B	3,413.66	4,906.21	-	-	
PECVD B	450.00	450.00	-	-	
ALD A	3,373.05	2,135.08	-	-	
02	1,956.64	2,174.77	2,468.22	2,768.90	
	1,055.11	1,171.88	1,327.59	1,483.29	
	403.89	447.16	504.76	561.32	
B	192.83	-	-	-	
	90.56	112.25	141.51	204.28	

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>	
" "	62.50	70.82	-	-	
	31.62	36.03	41.94	52.04	
	20.00	-	-	-	
	18.53	-	-	-	
" "	9.21	12.06	17.19	21.13	
	1.29	1.64	54.55	62.33	
	-	-	64.68	99.58	
" "	-	-	-	9.56	
	-	-	2.58	-	
	<b>21,623.11</b>	<b>27,040.47</b>	<b>4,623.03</b>	<b>5,262.44</b>	

**1**

2021 9 30

**2**

	<b>2021</b> <b>9 30</b>	<b>2020</b> <b>12 31</b>	<b>2019</b> <b>12 31</b>	<b>2018</b> <b>12 31</b>
	2.23	4.09	4.26	3.95
	1.16	2.79	2.52	2.12
	49.67%	38.12%	24.19%	25.07%

2021 9

2020



---

		<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
		<b>9 30</b>	<b>12 31</b>	<b>12 31</b>	<b>12 31</b>
		<b>32.16%</b>	<b>40.39%</b>	<b>39.25%</b>	<b>65.58%</b>

2020

2021

1-9

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	<b>-7,597.27</b>	<b>30,891.27</b>	<b>-2,175.61</b>	<b>-12,801.52</b>
	<b>5,704.87</b>	<b>-1,169.99</b>	<b>-1,936.64</b>	<b>-10,322.29</b>
	<b>-13,302.14</b>	<b>32,061.26</b>	<b>-238.96</b>	<b>-2,479.23</b>
	17.91	426.41	111.36	288.26
	1,102.12	1,454.98	1,506.53	1,480.66
	16.53			
	187.04	259.35	250.87	242.19
" "	1.30	0.48	-	0.74
" "	-	1.48	2.06	-
" "	-36.03	119.38	35.07	107.55
" "	-140.22			
" "	-46,802.84	-16,740.45	-2,779.82	-10,590.24
" "	-7,478.68	2,802.39	-5,024.08	2,232.78
" "	39,757.97	43,044.33	5,460.78	3,565.87
	72.76	692.91	198.25	192.96
	<b>-13,302.14</b>	<b>32,061.26</b>	<b>-238.96</b>	<b>-2,479.23</b>

2020

32,061.26

2020

---

2

" " "

"

-270.97 -1,437.47

-584.23 -10,427.23  
2021 1-9

3

" " "

"

-4,528.72

11,917.78 30,244.99 -359.56

4

2021 1-9

/%

	2021 1-9	2020 1-9		
	71,462.90	22,415.73	49,047.17	218.81%
	68,668.58	28,776.28	39,892.30	138.63%
	-7,597.27	-11,078.32	3,481.05	
	-10,427.23	-358.41	-10,068.82	
	-359.56	30,194.99	-30,554.55	

1

2 2020 1-9

2021 1-9

---

2021 1-9

2021 1-9

**1**

556.57 1,437.47 631.02

10,427.34

**2**

**1**

**2**

" "

" "

43,266.17

"

" " " " 2 "

" 1 "

**3**

---

4

1

	<b>2021 1-9</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
	3.78	4.17	2.51	1.22
	0.27	0.65	0.50	0.17

2021 1-9

2020

2

2018-2020

		<b>2020</b>	<b>2019</b>	<b>2018</b>
		7.22	4.82	3.40
		4.33	3.63	5.02
		4.19	3.80	3.91
		3.85	5.37	1.40
		<b>4.90</b>	<b>4.41</b>	<b>3.43</b>
		<b>4.17</b>	<b>2.51</b>	<b>1.22</b>
		1.20	1.01	0.94

---

		<b>2020</b>	<b>2019</b>	<b>2018</b>
		0.66	0.72	0.93
		1.21	1.44	1.51
		0.63	0.72	0.24
		<b>0.93</b>	<b>0.97</b>	<b>0.91</b>
		<b>0.65</b>	<b>0.50</b>	<b>0.17</b>

2021 1-9

2020

**1**





"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

3

"



2021

	7,986.46	7,986.46	> 2103-210112-04-02-424612 <
	39,948.34	39,948.34	< 2103-210112-04-02-185923 >
ALD	27,094.85	27,094.85	2108-310115-04-05-492438
	25,000.00	25,000.00	
	<b>100,029.65</b>	<b>100,029.65</b>	-

---

2021 3 31 2021

2

---

"

"

**1**

1

2

2020

---

3

2

1

2

2010

3

PECVD

PECVD

ALD

1





---

<b>3</b>	<b>2%</b>		<b>783.30</b>	<b>1.96%</b>

---

7

PECVD

ALD

1

ALD

ALD

28nm-10nm

ALD

2

3

<b>1</b>		<b>12,186.98</b>	<b>44.98%</b>
1.1		6,877.10	25.38%
1.2		289.52	1.07%
1.3		2,064.80	7.62%
1.4		738.51	2.73%
1.5		2,217.05	8.18%
<b>2</b>		<b>13,204.20</b>	<b>48.73%</b>
2.1		3,119.20	11.51%
2.2		600.00	2.21%
2.3		9,485.00	35.01%

<b>3</b>	<b>2%</b>	<b>507.83</b>	<b>1.87%</b>
<b>4</b>		<b>1,195.84</b>	<b>4.41%</b>
		<b>27,094.85</b>	<b>100.00%</b>

**3**

36

		<b>T+6</b>	<b>T+12</b>	<b>T+18</b>	<b>T+24</b>	<b>T+30</b>	<b>T+36</b>
1							
2							
3							
4							

T 6 12

**4**

2021 8 17

2108-310115-04-05-492438

**5**

2021 9 18

ALD

[2021]78

**6**

---

7

ALD  
SiO<sub>2</sub> PE-ALD  
ALD ALD

1

2

33,222.22

3

4

---

ALD

13

**1**

PECVD

PE-ALD

SACVD

/

**2**

**3**

189

44.06%

---

4

2019

2016

2017

"

"

1

2

10nm

PECVD

ALD

Thermal ALD

PE ALD

SACVD

12

28nm

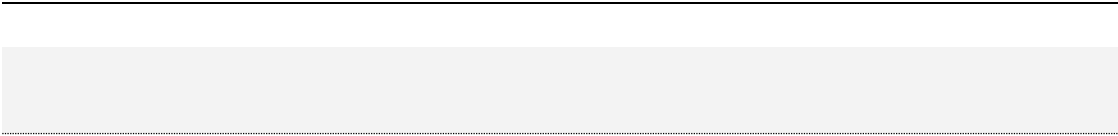
SACVD

3

4



5



024-24188000-8013

**1**

1

---

2

3

10%

80%

40%

20%

"

"

50%

5,000

30%

4

5

---

2

1

$2/3$

2

40%

---

3

4



2019

3

2021 3 31

2021



**1**

36

51%

**2**

32

"

"

"

5

"

"



"

5%

"

"

"

5

"

"

"

"

"

"

5

"

"

"

"

"

"

5

"

"

"

"

"

"

5

"

"

"

"

"

"

5

"

"

"

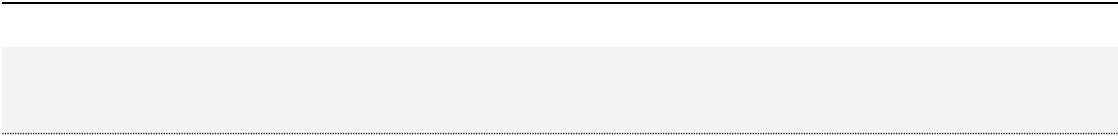
5%

---

" " " 5 " "

" " " " " 5 "

" " " " 5 " "



	2018	2,441.00	PECVD		
	2019	12,517.91			
	2020	16,343.19			
	2021	20,721.70			
		<b>52,023.80</b>			
	2018	2,966.07	PECVD		2018 10 15
	2019	7,356.15			

	2020	5,304.92			
	2021	6,946.15			
		<b>22,573.29</b>			
	2018	1,629.31	ALD PECVD SACVD		
	2019	5,873.51			
	2020	9,600.50			
	2021	3,096.00			
		<b>20,199.32</b>			
	2020	9,756.11	PECVD SACVD		2020 12 31
	2021	475.29			
		<b>10,231.40</b>			
	2021	7,789.10	PECVD SACVD		
		<b>7,789.10</b>			

	2020	6,920.80	PECVD		
	2021	26,838.33			
		<b>33,759.13</b>			
	2021	31,213.70	PECVD		
		<b>31,213.70</b>			
	2021	5,330.00	PECVD SACVD		
		<b>5,330.00</b>			
	2021	4,847.60	PECVD		

		<b>4,847.60</b>			
	2021	2,920.00	PECVD		
		<b>2,920.00</b>			

1,000

2021					
MKS Instruments Hong Kong Limited	2021/6/7	USD	870.02		
NGK INSULATORS,LTD.	2021/2/23	JPY	60,000.00		
Rorze Corporation	2021/9/5	JPY	57,304.20		
Rorze Corporation	2021/7/13	JPY	55,508.90		
Rorze Corporation	2021/7/13	JPY	47,671.32		

<b>2020</b>					
Brooks Automation, Inc.	2020/10/13	USD	348.18		
XP POWER LLC	2020/3/19	USD	248.12		
MKS Instruments Hong Kong Limited	2020/10/16	USD	232.28		
Rorze Corporation	2020/6/29	JPY	23,318.13		
XP POWER LLC	2020/7/22	USD	146.49		
<b>2019</b>					
XP POWER LLC	2019/9/12	USD	62.44		
XP POWER LLC	2019/11/5	USD	55.64		
Durex Industries	2019/12/3	USD	52.00		
MKS Instruments Hong Kong Limited	2019/9/12	USD	47.22		
	2019/11/7	CNY	319.52		
<b>2018</b>					
	2018/6/15	CNY	308.08		
XP POWER LLC	2018/12/26	USD	44.08		
	2018/8/9	CNY	257.69		
Brooks Automation, Inc.	2018/6/15	USD	34.40		
Rorze Corporation	2018/5/31	JPY	3,600.00		

---

					%	
2017.8.11		5500.00	5,614.4933	6	5.539	

1

						%	
2017.6.28		1	5,011.92	4,500.00	6	5.6239	
		2					
		3					
		4					



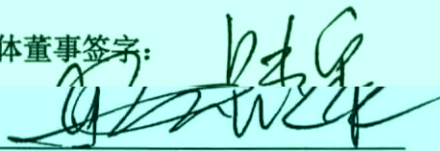
" "

## 第十二节 声明

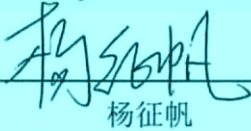
### 一、发行人全体董事、监事、高级管理人员声明

本公司全体董事、监事、高级管理人员承诺本招股说明书不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担个别和连带的法律责任。

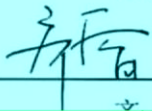
全体董事签字：



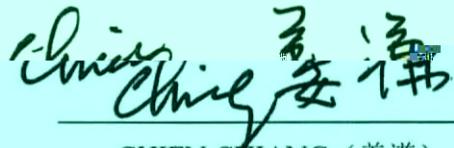
GUANGQUAN LU (吕光泉)



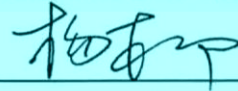
杨征帆



陈彦彦



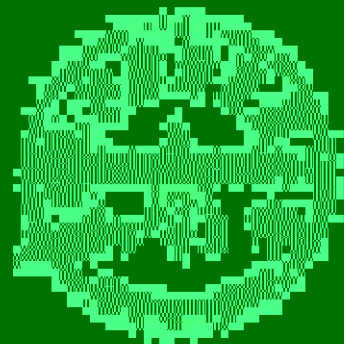
CHEN YANYAN (陈彦彦)



杨柳



GERALD ZHU



## 一、发行人全体董事、监事、高级管理人员声明

本公司全体董事、监事、高级管理人员承诺本招股说明书不存在虚假记载

WUMAOYE (叶五毛)  
曹 阳  
范奇

郭 郢  
许荣伟  
刘忠武





---

## 二、发行人主要股东声明

本公司或本人承诺本招股说明书不存在虚假记载、误导性陈述或重大遗漏，并对其  
真实性、准确性、完整性承担个别和连带的法律责任。



---

### 三、保荐人（主承销商）声明

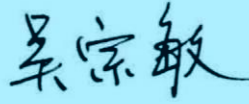
本公司已对招股说明书进行了核查，确认不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担相应的法律责任。



## 招股说明书的声明

本人已认真阅读拓荆科技股份有限公司招股说明书的全部内容，确认招股说明书不存在虚假记载、误导性陈述或者重大遗漏，并对招股说明书真实性、准确性、完整性、及时性承担相应法律责任。

保荐机构总经理：



吴宗敏

保荐机构法定代表人



司声明

四、联席主承销商声明

四、联席主承销商声明

说明书进行了核查，确认不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担相应的法律责任。

本公司已对招股说明书进行了核查，确认不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担相应的法律责任。

代表人：

  
孙孝坤

法定



## 发行人律师声明

本所及经办律师已阅读招股说明书, 确认招股说明书与本所出具的法律意见书和律师工作报告无矛盾之处。本所及经办律师对发行人在招股说明书中引用的法律意见书和律师工作报告的内容无异议, 确认招股说明书不致因上述内容而出现虚假记载、误导性陈述或重大遗漏。



---

[2022]8

[2022]9

7 \* 5

七、资产评估机构声明(一)

本机构及

24000264

王晨煜

王少岩

24000264

王少岩

北京中合中盛资产评估有限公司

2024.4.14







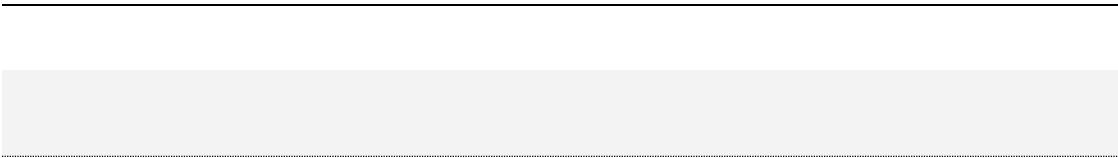
## 验资机构声明

天健会计师事务所（特殊普通合伙）（以下简称“天健”）接受委托，对杭州钱江新城建设投资有限公司（以下简称“钱江新城”）截至2014年12月31日止的注册资本实收情况进行审验。天健于2015年1月13日出具了天健审字（2015）第10000001号验资报告。天健在审验过程中，按照中国注册会计师审计准则的规定执行了审验程序，并出具了审验报告。天健在审验过程中，未发现钱江新城存在出资不实、抽逃出资、虚假出资等违法违规行为。天健在审验过程中，未发现钱江新城存在其他违法违规行为。天健在审验过程中，未发现钱江新城存在其他违法违规行为。天健在审验过程中，未发现钱江新城存在其他违法违规行为。



容陈  
印焱

之徐  
印银



**1**

1	900-1 1-4		2019 0290319	9,235.07		
2	900-2 1-2		2019 0290359	9,615.08		
3	900-3		2019 0290352	13,242.99		
4	900-4		2019 0290346	5,929.75		
5	900-5		2019 0290340	12.25		
6	900-6		2019 0290330	30.25		

1  
2021 12 31 100 50,202 2021 1 1

**2**

1			9 4 SZ10-R59	8		2021.6.1-2022.5.31
2			501 1 4 403	128.4		2021.10.9-2022.4.8
3			8 3	4331.6		2020.11.30-2023.11.29
4			1 3 3 07 A072	1		2021.9.3-2022.9.2

5			100 E1 2FA	66.1		2021.1.1-2022.12.31
6			D108-1&D208-2	55.14		2020.12.21-2022.12.20
7			9 904 2	90		2021.6.16-2022.6.15
8			75 2401	100		2021.04.08-2022.04.07
9			28 1 401	125		2021.1.5-2023.1.4
10			7-1-1802	129.53		2020.11.1-2022.10.31
11			9-2-2404	130		2020.12.26-2022.12.25
12			49 4-16-1	80.63		2021.03.05-2022.03.04
13			389 42 301	110.56		2021.06.15-2024.06.14
14			38 3 301 A	129.32		2021.06.10-2022.06.09
15			C C-909	75.19		2021.06.10-2022.06.09
16			3 1 A 5 501-10	568		2021.07.01-2024.05.30
17			5	80.47		2021.05.12-2023.05.11
18			99 2# 203	354		2021.11.15-2026.12.14
19			10 2501	132.95		2021.11.20-2022.11.19
20			40 11 402	60		2021.12.17-2022.12.17

21			901	2# 144.72		2022.1.15-2023.1.14
22			168 1309	3 108.41		2022.1.20-2023.1.19
23				9#3001 111.1		2022.2.18-2023.1.17
24			99 116	16# 84		2022.1.1-2026.12.30

4            5            6            11            17            20

1


2

392.71

3



2022    3    8            24







3

4	ThinFilmLite	38930045	37			2020.02.21-2030.02.20
5	<b>TFLITE</b>	38930044	7			2020.02.21-2030.02.20
6	<b>TFLITE</b>	38930043	37			2020.02.21-2030.02.20
7	Piotech	34370246	7			2021.01.14-2031.01.13
8	Piotech	34357464	11			2021.01.14-2031.01.13
9	Piotech	34346794	37			2019.10.14-2029.10.13
10	<b>拓荆科技</b>	30904119	7			2019.02.21-2029.02.20
11	<b>拓荆科技</b>	30904118	11			2019.02.21-2029.02.20
12	<b>拓荆科技</b>	30904117	37			2019.02.21-2029.02.20
13		30904116	7			2020.08.28-2030.08.27
14		30904115	11			2020.03.28-2030.03.27
15		30904114	37			2020.11.28-2030.11.27
16		30904113	7			2019.06.28-2029.06.27


17



21		13894102	9			2015.2.21-2025.2.20
22		48879354	7			2021.06.07-2031.06.06

1	<b>拓荆科技</b>	01972025	37			2019.02.16-2029.02.15
2		01960373	7 37			2018.12.16-2028.12.15
3		01965559	37			2019.01.16-2029.01.15
4	<b>Piotech</b>	01965564	37			2019.01.16-2029.01.15
5		01965560	37			2019.01.16-2029.01.15
6	<b>拓荆科技</b>	01758765	7			2016.03.16-2026.03.15
7	<b>Piotech</b>	01794521	7			2016.10.01-2026.09.30
8		01794520	7			2016.10.01-2026.09.30
9		02000323	7 37			2019.07.16-2029.07.15
10		02128724	37			2021.03.16-2031.03.15

1	<b>Piotech</b>	6350914	7 37			2020.08.31-2030.08.31
---	----------------	---------	------	--	--	-----------------------

2		6350900	7 37			2020.08.31-20 30.08.31	

4

1		ZL201910 174089.6				2019.03.08	2021.06.18
2		ZL201811 530898.8				2018.12.14	2021.05.18
3		ZL201510 367887.2				2015.06.29	2020.10.30
4		ZL201510 566078.4				2015.09.08	2020.08.28
5		ZL201710 862974.4				2017.09.22	2020.08.28
6		ZL201810 071252.1				2018.01.25	2020.08.28
7		ZL201510 694985.7				2015.10.22	2020.07.31
8		ZL201810 678394.4				2018.06.27	2020.07.03
9		ZL201610 153803.X				2016.03.16	2020.04.24
10		ZL201711 121821.0				2017.11.14	2020.04.24
11		ZL201711 363054.4				2017.12.18	2020.04.24
12		ZL201510 717077.5				2015.10.29	2020.01.10
13		ZL201710 705141.7	RF			2017.08.17	2019.12.13
14		ZL201510 676243.1				2015.10.13	2019.12.06
15		ZL201711 225305.2					

---

17		ZL201610 695640.8			2016.08.22	2019.06.28	
18		ZL201610 711523.6					

---

41		ZL201510 492800.4			2015.08.12	2018.01.12	

65		ZL201210 321976.X			2012.09.03	2014.10.22	
66		ZL201210 375767.3			2012.09.29	2014.02.05	
67		ZL201210 271694.3			2012.08.01	2013.09.18	
68		ZL201010 005335.4			2010.01.15	2012.05.02	
69		ZL200610 046308.5			2006.04.14	2009.05.20	
70		ZL201820 036849.8			2018.01.10	2018.09.11	
71		ZL201620 685450.3	OLED		2016.07.01	2017.04.12	
72		ZL201620 396190.8			2016.05.05	2016.09.28	
73		ZL201620 114034.8			2016.02.04	2016.08.17	
74		ZL201520 317354.9			2015.05.18	2016.08.03	
75		ZL201520 646553.4			2015.08.25	2016.07.20	
76		ZL201520 805012.1			2015.10.16	2016.04.20	
77		ZL201520 639274.5			2015.08.21	2016.03.09	
78		ZL201520 710956.0			2015.09.14	2016.03.09	
79		ZL201520 743164.3			2015.09.23	2016.03.09	
80		ZL201520 748956.X			2015.09.24	2016.03.09	
81		ZL201520 753083.1			2015.09.24	2016.03.09	
82		ZL201520 797612.8			2015.10.14	2016.03.09	
83		ZL201520 805580.1			2015.10.16	2016.03.09	
84		ZL201520 808076.7			2015.10.13	2016.03.09	
85		ZL201520 808648.1			2015.10.16	2016.03.09	
86		ZL201520 816547.9			2015.10.20	2016.03.09	
87		ZL201520 818106.2			2015.10.21	2016.03.09	

88		ZL201520 821306.3			2015.10.22	2016.03.09	
89		ZL201520 821972.7			2015.10.21	2016.03.09	
90		ZL201520 829090.5			2015.10.23	2016.03.09	
91		ZL201520 347037.1			2015.05.27	2016.01.20	
92		ZL201520 455971.5			2015.06.29	2016.01.20	
93		ZL201520 317367.6			2015.05.18	2015.12.30	
94		ZL201520 327981.0			2015.05.20	2015.12.30	
95		ZL201520 455915.1			2015.06.29	2015.12.30	
96		ZL201520 502627.7			2015.07.13	2015.12.30	
97		ZL201520 527443.6			2015.07.20	2015.12.30	
98		ZL201520 527507.2			2015.07.20	2015.12.30	
99		ZL201520 546543.3			2015.07.23	2015.12.30	
100		ZL201520 549366.4			2015.07.27	2015.12.30	
101		ZL201520 555722.3			2015.07.29	2015.12.30	
102		ZL201520 575581.1			2015.08.03	2015.12.30	
103		ZL201520 646244.7			2015.08.25	2015.12.30	
104		ZL201520 646274.8			2015.08.25	2015.12.30	
105		ZL201520 646968.1			2015.08.25	2015.12.30	
106		ZL201520 328483.8			2015.05.20	2015.11.11	
107		ZL201520 420234.1			2015.06.17	2015.11.11	
108		ZL201520 455222.2			2015.06.29	2015.11.11	
109		ZL201520 328874.X			2015.05.21	2015.11.04	
110		ZL201520 329524.5			2015.05.19	2015.11.04	

111		ZL201520346370.0			2015.05.26	2015.11.04	
112		ZL201520348267.X			2015.05.26	2015.11.04	
113		ZL201520362576.2			2015.05.29	2015.11.04	
114		ZL201520364144.5			2015.05.29	2015.11.04	
115		ZL201520217190.2			2015.04.13	2015.09.09	
					2015.04.13	2015.09.09	
					2015.05.21	2015.09.09	
					2014.07.30	2015.02.04	
					2014.07.30	2015.02.04	
					2014.08.25	2015.02.04	
					2014.09.04	2015.01.07	
					2014.09.04	2015.01.07	
					2014.09.05	2015.01.07	
					2014.06.30	2014.12.03	
					2014.07.10	2014.12.03	
					2014.07.10		

---

135		ZL201320 687868.4			2013.11.01	2014.04.23	
136		ZL201320 304672.2			2013.05.29	2013.12.18	
137		ZL201320 414050.5					

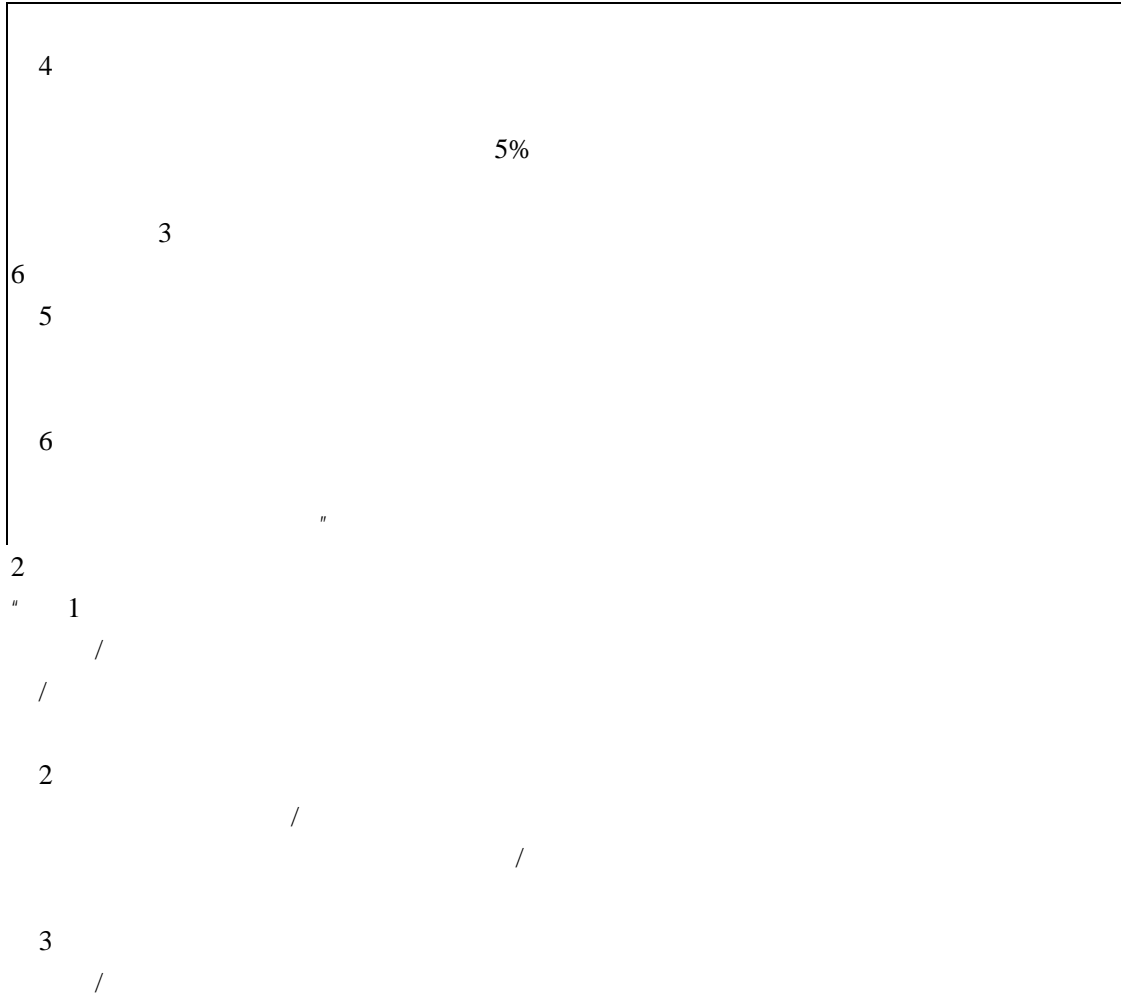
3		TW108125375				2019.07.18	2020.09.11	
4		TW106136726	RF			2017.10.25	2020.08.21	
5		TW108119619				2019.06.06	2020.08.21	
6		US 10,643,882 B2	A CERAMIC RING WITH LADDER STRUCTURE			2017.08.18	2020.05.05	
7		TW108106531				2019.02.26	2020.04.01	
8		TW108110364				2019.03.26	2020.02.11	
9		US 10,410,909 B2	WAFFER PEDESTAL AND SUPPORT STRUCTURE THEREOF			2018.09.17	2019.09.10	
10		TW107113431				2018.04.20	2019.06.01	
11		TW107113432				2018.04.20	2019.04.11	
12		TW107113433				2018.04.20	2019.02.11	
13		TWI634612				2016.04.21	2018.09.01	
14		TWI605149				2016.06.22	2017.11.11	
15		TWI604558				2016.11.14	2017.11.01	
16		TWI547976				2014.01.17	2016.09.01	
17		US 10,497,591 B2	LOAD LOCK CHAMBER AND THE CLUSTER			2016.09.16	2019.12.03	

---

			TOOL SYSTEM USING THE SAME					
18		TWI735914				2019.07.18	2021.08.11	
19		TWI734285				2019.12.05	2021.07.21	

20

4									
5								25%	
6			4						
7			25%						
	"			"					"
3									
"	1					36			
2									
						"			
4		11							
"	1					36			
2									
			"		"				
	"								
5									
"	1			12			/		
/									
2	/							/	/
			"		"				/
							/		
			"						
1									
"	1								
2									
3									



2	/	/		
3	/			
4	/			/
			5%	/
		6	3	/
5	/	/	/	
6	/			
		"		

--	--	--	--	--

1				"
"	2021			
1			20	20
	"	"	20	
				20
			/	
2				
3				

a				10
b				
	30			10%
				20%
				50%
4				
		5		
2				
1				
"		"	"	"
2				
"		"	"	



3

"

"

"

"

---

"	
2	
" 1	
2	
3	
	"

1

" 1

2

3

4

<p>5</p> <p style="text-align: center;">3</p> <p style="text-align: right;">"</p>
<p>2</p> <p>" 1</p> <p>2</p> <p style="text-align: center;">"</p>
<p>1</p> <p>2021</p> <p style="text-align: center;">" "</p> <p>1</p>

2				
3				
4				
5			10%	
				20%
2				
"	1			
2				"
1				
"	"	"	"	"







