# **Company Report**

# Hua Hong (1347 HK)

### Another record high quarter, outlook remains favorable

- 3Q21 revenue beat guidance/consensus on both wafer shipment and ASP increases; demand strong across segments
- Management expects fab capacities to stay fully-loaded, ASP to keep rising in next few quarters on solid customer demand
- Positive outlook remains intact; maintain BUY

#### 3Q21 beat; shipment and ASP rose on strong demand

Hua Hong (HH) posted another record quarter for revenue of USD451mn (+30% qoq, beat guidance/consensus) in 3Q21. Wafer shipment grew 24% qoq driven by MCU, PMIC, IGBT, Super Junction, CIS and RF, while wafer ASP rose 5%. GPM grew 2.3ppt qoq to 27.1% (beat consensus) helped by better pricing and capacity utilization, which further increased from 110% in 2Q21 to 111% in 3Q21 as 8" fabs loading extended to 112%. Net profit came in at USD51mn (vs. USD45mn consensus).

#### 4Q21 guidance points to another stellar quarter

For 4Q21, HH expects its revenue to rise 9% qoq to ~USD490mn (10% above consensus), with growth mainly from the Wuxi fab. Wuxi capacity reached 65k wpm by 3Q at full-loading (vs. 48k in May). Guidance points to a GPM improvement in 4Q21 at 27-28% (vs. 26.4% consensus), as rising wafer price offset the increase in depreciation. Management expects wafer ASP to continue to increase in next few quarters, driven by strong demand and mix improvement. HH expects all of its fabs to stay fully utilized on solid customer demand.

#### Wuxi fab capacity expansion ahead of schedule

Hua Hong reached its target to raise Wuxi fab capacity to 65k wpm two months earlier (originally target for end-2021). For next year, management plans to maintain 65k capacity in Wuxi fab for most of the year, meanwhile further expanding capacity to 94.5k wpm by end-2022.

#### Positive outlook intact; maintain BUY

We remain positive on HH, as market demand for HH's technology platforms continue to be strong. We believe HH's fundamentals remain intact, with multiple tailwinds driving revenue growth and margin expansion. We update our estimates, and keep TP at HKD62.0, now based on 3.6x 2022E P/B.

#### Financials

USD mn	2019	2020	2021E	2022E	2023E
Revenue	933	961	1,596	1,995	2,131
уоу	0%	3%	66%	25%	7%
Gross margin	30.3%	24.4%	26.1%	26.3%	27.0%
Net profit	162	99	200	209	263
yoy	-11%	-39%	101%	4%	26%
BPS (USD)	1.74	1.95	2.12	2.24	2.44
P/E (x)	18.1	75.3	38.3	36.8	29.2
P/B (x)	1.3	2.9	2.7	2.6	2.4
ROE	7.4%	4.2%	7.6%	7.4%	8.6%

Sources: Company data, CMS (HK) estimates; share price as of Nov 11, 2021

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Thursday, November 11, 2021

China Merchants Securities (HK) Co., Ltd. Hong Kong Equity Research

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#### WHAT'S NEW

3Q21 results; estimates change

## BUY

Previous

Previous	BUY
Price (Nov 11, 2021)	HKD44.90
12-month Target Price (Potential up/downside)	HKD62.0 (+38%)

HKD62.0
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%	1m	6m	12m
Hua Hong	14.2	(3.0)	47.2
HSI	(0.3)	(10.6)	(3.5)

Sector: Hardware Technology	
Hang Seng Index (Nov 11, 2021)	25,248
HSCEI (Nov 11, 2021)	9,048
Key Data	
52-week range (HKD)	29.1 - 64.65
Market cap (HKD mn)	58,391
Avg. daily volume (mn)	7.14
BVPS (HKD)	15.23
Shareholding Structure	
HuaHong Group	27.1%
SAIL	15.1%
National IC Fund	18.8%
No. of shares outstanding (mn)	1,295
Free float	39.0%

Sources: Company data, Bloomberg

#### **Related Research**

- 1. Hua Hong (1347 HK) Stellar results with favorable demand outlook intact (BUY) (Aug 12, 2021)
- Hua Hong (1347 HK) Another record quarter; solid demand outlook intact (BUY) (May 13, 2021)
- Hua Hong (1347 HK) StarPower concerns overdone; fundamental still intact (BUY) (Mar 3, 2021)
- Hua Hong (1347 HK) Another record quarter, strong momentum to continue (BUY) (Feb 10, 2021)



## Hua Hong 3Q21 results highlights

#### Figure 1: Hua Hong 3Q21 results comparison (actual vs forecast)

(USD mn)		Actual		3Q21 G	rowth		3Q21 Fo	recast	
	3Q20	2Q21	3Q21	qoq	уоу	Street	Surprise	CMS	Surprise
Revenue	253	346	451	30%	78%	413	9%	409	10%
Wafers	244	331	431	30%	77%	n.a.	n.a.	393	10%
Others	9	15	20	36%	133%	n.a.	n.a.	16	26%
Gross profit	61	86	122	43%	<b>99%</b>	110	11%	106	15%
Op. profit	(13)	40	50	26%	n.a.	30	65%	25	97%
Pretax income	11	52	57	11%	415%	48	19%	39	48%
Net income	18	44	51	15%	187%	45	13%	52	-3%
FD EPS (USD)	0.013	0.033	0.038	15%	186%	0.035	10%	0.039	-3%
BPS (USD)	1.829	2.028	2.068	2%	13%	2.060	0%	2.068	0%
Gross margin	24.2%	24.8%	27.1%	2.3 ppt	2.9 ppt	26.8%	0.3 ppt	26.0%	1.1 ppt
Op. margin	-5.1%	11.5%	11.1%	-0.4 ppt	16.2 ppt	7.4%	3.7 ppt	6.2%	4.9 ppt
Pretax margin	4.4%	14.9%	12.7%	-2.2 ppt	8.3 ppt	11.7%	1.0 ppt	9.5%	3.2 ppt
Net margin	7.0%	12.7%	11.3%	-1.5 ppt	4.3 ppt	10.9%	0.4 ppt	12.8%	-1.5 ppt
ROE	3.1%	6.8%	7.6%	0.8 ppt	4.6 ppt	7.0%	0.7 ppt	7.8%	-0.2 ppt
Wafer shipments (k)*	577	730	907	24%	57%	n.a.	n.a.	825	10%
Wafer ASP (USD)	424	454	476	5%	12%	n.a.	n.a.	477	0%
Total capacity (kwpm)*	210	268	297	11%	41%	n.a.	n.a.	291	2%
Utilization rate	95.8%	109.5%	110.9%	1.4 ppt	15.1 ppt	n.a.	n.a.	94.7%	16.2 ppt
200mm utilization	102.0%	112.1%	112.3%	0.2 ppt	10.3 ppt	n.a.	n.a.	100.0%	12.3 ppt
300mm utilization	56.4%	104.1%	108.7%	4.6 ppt	52.3 ppt	n.a.	n.a.	86.2%	22.5 ppt

Note: (\*) Shipments and capacity converted into 8" equivalent in k wpm (thousand wafers per month) Sources: Company data, Bloomberg consensus (as of Nov 10, 2021), CMS (HK) estimates

#### Revenue new quarterly high, margin improved

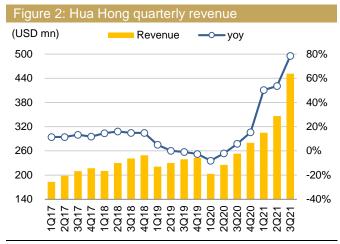
- Revenue grew 30% qoq (+78% yoy) to USD451mn in 3Q21, another quarterly historical high, helped by increase in both wafer shipments (+24% qoq to 907k in 3Q21) and blended ASP (+5% qoq) driven by increased demand for MCU, PMIC, IGBT, Super Junction, CIS, RF, and NOR flash
- Gross margin (GPM) improved by 2.3ppt qoq to 27.1% in 3Q21 (+2.9ppt yoy), mainly driven by improved ASP and capacity utilization rate
- Operating expenses in 3Q21 were 57.5% above 2Q21, mainly due to increased labor expenses and decreased government grants for R&D
- > Net profit increased 15% qoq to USD51mn in 3Q21 (net margin 11.3%); annualized ROE in 3Q21 was 7.6%
- Operating cash flow reached USD152n in 3Q21; CAPEX was USD253mn in total (USD28mn and USD225mn for 8" fab and Wuxi fab respectively)

#### Performances by fabs

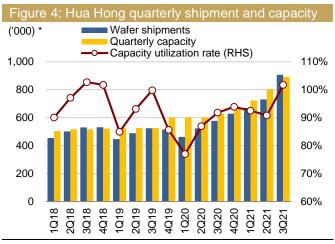
- Hua Hong 8" fabs
  - Revenue +20.2% qoq to USD315mn (+33.2% yoy), reached a record high
  - Gross margin increased 3.6ppt qoq to 35.2%, mainly driven by improved ASP
  - Op expenses were USD42.6mn, 104.5% above 2Q21, primarily due to increased R&D expenses and labor expenses
- Hua Hong Wuxi fab
  - Revenue grew 62.5% qoq to USD136.7mn
  - Gross margin was 8.5% in 3Q21 (vs. 3.3% in 2Q21 and -18.0% in 3Q20)
  - Op expenses were USD29.7mn, 18.5% above 2Q21, mainly due to decreased government grants



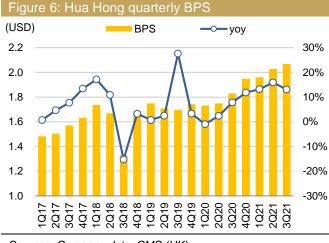
## **Quarterly financials**

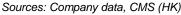


Sources: Company data, CMS (HK)



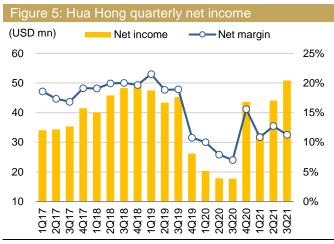
Sources: Company data, CMS (HK); (\*) 8" equivalent wafers





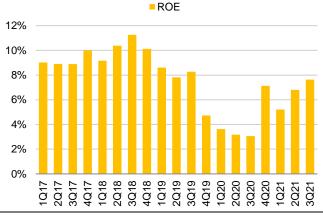


Sources: Company data, CMS (HK)



Sources: Company data, CMS (HK)

Figure 7: Hua Hong quarterly ROE (annualized)



Sources: Company data, CMS (HK)



## **Forecast update**

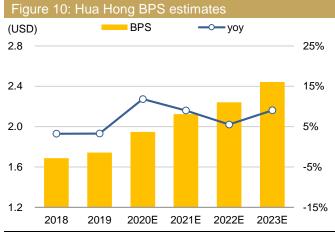
Figure 8: Hua Hone				
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(USD mn)		2021	E			2022	2E			2023	E	
	Old	New	Diff	$\Delta$ %	Old	New	Diff	$\Delta$ %	Old	New	Diff	Δ%
Revenue	1,489	1,596	107	7%	1,789	1,995	206	12%	2,045	2,131	85	4%
Gross profit	374	417	44	12%	475	524	49	10%	553	576	23	4%
Op profit	98	168	70	71%	145	160	14	10%	181	200	19	10%
Pretax income	144	198	54	37%	189	177	(12)	-6%	238	223	(16)	-7%
Net income	177	200	23	13%	239	209	(30)	-13%	280	263	(17)	-6%
EPS (USD)	0.13	0.15	0.02	13%	0.18	0.16	(0.02)	-13%	0.21	0.20	(0.01)	-6%
Gross margin	25.1%	26.1%	1.1 ppt		26.6%	26.3%	-0.3 ppt		27.0%	27.0%	0.0 ppt	
Op margin	6.6%	10.5%	3.9 ppt		8.1%	8.0%	-0.1 ppt		8.8%	9.4%	0.5 ppt	
Pretax margin	9.7%	12.4%	2.7 ppt		10.6%	8.9%	-1.7 ppt		11.6%	10.4%	-1.2 ppt	
Net margin	11.9%	12.6%	0.6 ppt		13.3%	10.5%	-2.9 ppt		13.7%	12.3%	-1.4 ppt	
BPS (USD)	2.105	2.123	0.019	1%	2.250	2.240	(0.010)	0%	2.465	2.443	(0.023)	-1%
ROE	6.7%	7.6%	0.8 ppt		8.4%	7.4%	-1.1 ppt		9.1%	8.6%	-0.5 ppt	

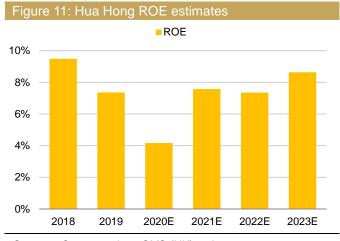
Sources: Company data, CMS (HK) estimates

	forecast comparison (CMS vs. consei	·	
(USD mn)	2021E	2022E	2023E
Revenue			
CMS	1,596	1,995	2,131
Consensus	1,502	1,955	2,299
Diff (%)	6%	2%	-7%
Gross margin (%)			
CMS	26.1%	26.3%	27.0%
Consensus	25.1%	25.1%	26.4%
Diff	1.0 ppt	1.2 ppt	0.7 ppt
Operating profit			
CMS	168	160	200
Consensus	116	180	257
Diff (%)	45%	-11%	-22%
Net income			
CMS	200	209	263
Consensus	178	206	257
Diff (%)	13%	1%	2%

Sources: Bloomberg consensus (as of Nov 10, 2021), CMS (HK) estimates







Sources: Company data, CMS (HK) estimates

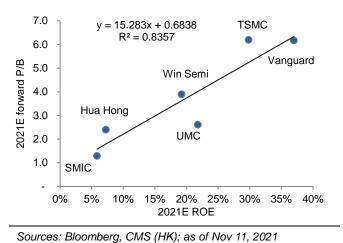


## Valuation



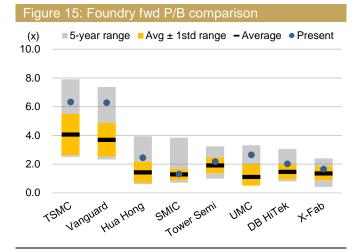
Sources: Bloomberg, CMS (HK) estimates; as of Nov 11, 2021

### Figure 14: Foundry 2021E forward P/B vs. ROE





Sources: Bloomberg, CMS (HK) estimates; as of Nov 11, 2021



Sources: Bloomberg, CMS (HK); as of Nov 11, 2021

Tickers: TSMC (2330 TT), UMC (2303 TT), SMIC (981 HK), Tower Semi (TSEM IT), Hua Hong (1347 HK), Vanguard (5347 TT), X-Fab (XFAB FP), DB HiTek (000990 KS)

Figure 16: \	/aluation c	ompar	ison												
Company	Ticker	Price Crncy	Share Price	Market Cap		/E x)		/B x)		BITDA x)	R	DE	Div.	yield	Net D/E
		Chicy	FILE	(USD bn)	2021E	2022E	2021E	2022E	2021E	2022E	2021E	2022E	2021E	2022E	2020
Wafer Foundry															
Hua Hong	1347 HK	HKD	44.90	7.5	38.3	36.8	2.7	2.6	15.4	13.3	8%	7%	0.7%	0.8%	-11%
SMIC	0981 HK	HKD	23.50	35.7	17.5	26.9	1.4	1.4	7.8	8.0	9%	5%	0.0%	0.0%	-17%
TSMC	2330 TT	TWD	606.00	564.6	26.6	22.1	7.3	6.2	14.3	11.7	29%	30%	1.8%	2.0%	-23%
UMC	2303 TT	TWD	62.20	27.8	14.2	12.0	2.9	2.6	7.6	6.6	22%	22%	3.7%	5.3%	-11%
CR Micro	688396 CH	CNY	69.68	14.4	41.4	37.2	6.2	5.4	26.4	24.5	16%	15%	0.2%	0.3%	-44%
Vanguard	5347 TT	TWD	153.00	9.0	21.6	17.3	7.1	6.2	13.4	10.6	36%	37%	3.2%	3.8%	-30%
Win Semi	3105 TT	TWD	348.00	5.3	27.8	21.3	4.3	3.9	15.3	12.2	15%	19%	2.6%	3.0%	8%
Tower Semi	TSEM IT	ILs	11,260	3.9	24.5	18.3	2.5	2.1	8.3	7.2	n.a.	n.a.	n.a.	n.a.	-21%
DB HiTek	000990 KS	KRW	59,400	2.2	10.0	7.6	2.6	2.0	5.2	4.5	29%	30%	0.6%	0.7%	-5%
Average					25.0	22.2	4.1	3.6	12.7	11.0	20%	21%	1.5%	1.9%	-17%

Note: Stocks rated by CMS (HK) include: Hua Hong (1347 HK, BUY, TP: HKD62), SMIC (981 HK, NEUTRAL, TP: HKD30); Sources: Company data, Bloomberg, CMS (HK) estimates; share prices as of Nov 11, 2021

## CMS @ 招商證券國際

## Earnings forecast table

Figure 17: Hua Hong earn	nings fore	cast															
(USD mn)	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21E	4Q21E	1Q22E	2Q22E	3Q22E	4Q22E	2019	2020	2021E	2022E	2023E
Revenue	203	225	253	280	305	346	451	494	511	493	495	496	933	961	1,596	1,995	2,131
уоу	-8%	-2%	6%	15%	50%	54%	78%	76%	68%	42%	10%	1%	0%	3%	66%	25%	7%
Cost of goods sold	(160)	(167)	(192)	(208)	(233)	(260)	(329)	(357)	(372)	(362)	(367)	(370)	(650)	(726)	(1,179)	(1,471)	(1,555)
Gross profit	43	59	61	72	72	86	122	137	139	131	128	127	282	235	417	524	576
Opex	(71)	(63)	(74)	(61)	(60)	(46)	(72)	(72)	(90)	(90)	(92)	(92)	(179)	(269)	(250)	(364)	(376)
Op. profit	(29)	(4)	(13)	11	13	40	50	65	49	41	36	34	104	(35)	168	160	200
Non-operating items	20	12	24	24	7	12	7	4	4	4	4	4	78	81	30	17	23
Pretax Income	(9)	8	11	36	20	52	57	69	53	45	40	38	182	46	198	177	223
Tax expense	11	(7)	(10)	(7)	1	(14)	(22)	(12)	(9)	(7)	(6)	(6)	(27)	(13)	(47)	(28)	(36)
Minority interest	18	17	17	15	12	7	15	15	15	15	15	15	7	66	49	60	76
Net income (after minority)	20	18	18	44	33	44	51	72	60	53	48	47	162	99	200	209	263
Diluted EPS (USD)	0.016	0.014	0.013	0.033	0.025	0.033	0.038	0.055	0.045	0.040	0.037	0.036	0.125	0.075	0.151	0.157	0.198
уоу	-57%	-59%	-62%	64%	60%	143%	186%	65%	81%	20%	-5%	-35%	-26%	-40%	101%	4%	26%
Book value per share (USD)	1.73	1.75	1.83	1.95	1.96	2.03	2.07	2.12	2.17	2.17	2.20	2.24	1.74	1.95	2.12	2.24	2.44
ROE	3.6%	3.2%	3.1%	7.1%	5.2%	6.8%	7.6%	10.6%	8.6%	7.5%	6.8%	6.5%	7.4%	4.2%	7.6%	7.4%	8.6%
Margins																	
Gross margin	21.1%	26.0%	24.2%	25.8%	23.7%	24.8%	27.1%	27.8%	27.2%	26.5%	25.8%	25.5%	30.3%	24.4%	26.1%	26.3%	27.0%
Op. margin	-14.2%	-1.8%	-5.1%	4.0%	4.2%	11.5%	11.1%	13.2%	9.6%	8.3%	7.2%	6.9%	11.1%	-3.6%	10.5%	8.0%	9.4%
Opex ratio	35.2%	27.7%	29.3%	21.8%	19.5%	13.3%	16.0%	14.6%	17.6%	18.2%	18.6%	18.6%	19.2%	28.0%	15.7%	18.2%	17.7%
Pretax margin	-4.3%	3.5%	4.4%	12.7%	6.5%	14.9%	12.7%	14.0%	10.5%	9.2%	8.1%	7.7%	19.5%	4.8%	12.4%	8.9%	10.4%
Net margin	10.0%	7.9%	7.0%	15.6%	10.8%	12.7%	11.3%	14.7%	11.7%	10.7%	9.8%	9.5%	17.4%	10.3%	12.6%	10.5%	12.3%
Devenues by convice type																	
Revenues by service type	96.5%	96.0%	96.6%	00.5%	95.7%	95.7%	95.6%	07.00/	96.8%	96.3%	94.9%	00.50/	97%	96%	96%	96%	000/
Wafer				96.5%				97.2%				96.5%	97% 3%				96%
Others	3.5%	4.0%	3.4%	3.5%	4.3%	4.3%	4.4%	2.8%	3.2%	3.7%	5.1%	3.5%	3%	4%	4%	4%	4%
Wafer revenue																	
Wafer revenue	196	216	244	270	292	331	431	480	494	475	470	479	907	927	1,535	1,918	2,040
Seq	-16%	10%	13%	11%	8%	14%	30%	11%	3%	-4%	-1%	2%	-1%	2%	66%	25%	6%
Shipment ('000 units)	463	523	577	628	669	730	907	980	989	950	950	978	1,974	2,191	3,286	3,867	4,002
Seq	-10%	13%	10%	9%	7%	9%	24%	8%	1%	-4%	0%	3%	-2%	11%	50%	18%	3%
ASP (USD)	423	414	424	430	436	454	476	490	500	500	495	490	459	423	467	496	510
Seg	-7%	-2%	2%	2%	1%	4%	5%	3%	2%	0%	-1%	-1%	2%	-8%	10%	6%	3%
Capacity																	
Total capacity (k wpm)	201	201	210	223	241	268	297	324	324	324	336	392	182	209	283	344	361
Seq	0%	0%	4%	6%	8%	11%	11%	9%	0%	0%	3%	17%	6%	15%	35%	22%	5%
Utilization rate	82.4%	93.4%	95.8%	99.0%	104.2%	109.5%	110.9%	100.7%	101.7%	97.6%	94.4%	83.2%	90.6%	87.5%	96.9%	93.7%	92.4%
200mm utilization	91.9%	100.4%	102.0%	104.4%	104.3%	112.1%	112.3%	105.0%	102.0%	100.0%	100.0%	100.0%	92.4%	99.7%	108.4%	100.5%	97.8%
300mm utilization	6.9%	38.3%	56.4%	75.5%	103.8%	104.1%	108.7%	95.5%	101.4%	94.8%	88.0%	69.3%	9.6%	17.0%	77.2%	86.4%	87.3%

Sources: Company data, CMS (HK) estimates; capacity are converted into 8" equivalent wafers

Thursday, November 11, 2021

# **Financial Summary**

#### **Balance Sheet**

USD mn	2019	2020	2021E	2022E	2023E
Current assets	1,497	1,406	1,746	1,443	1,522
Cash & equivalents	476	923	1,045	692	848
S/T investments	520	00	0	002	0
Accounts receivable	165	121	211	226	218
Inventories	142	226	387	419	348
Other receivables	113	131	69	60	59
Other current assets	80	5	34	46	49
Non-current assets	2,117	3,162	4,486	5,009	5,161
PP&E – net	1,558	2,510	3,821	4,341	4,491
Right-of-use assets	75	79	75	75	75
Intangible assets	13	37	36	35	35
Investment in associates	73	105	110	112	112
L/T financial assets	208	230	235	238	239
Other non-current assets	190	200	208	208	208
Total assets	3,613	4,569	6,232	6,452	6,683
			6,232 1,185		
Total assets	3,613	4,569		6,452	6,683
Total assets Current liabilities	3,613 475	4,569 665	1,185	6,452 1,252	6,683 1,220
Total assets Current liabilities S/T debts	<b>3,613</b> <b>475</b> 4	<b>4,569</b> <b>665</b> 48	<b>1,185</b> 181	<b>6,452</b> <b>1,252</b> 181	<b>6,683</b> <b>1,220</b> 181
Total assets         Current liabilities         S/T debts         Accounts payable	<b>3,613</b> <b>475</b> 4 86	<b>4,569</b> <b>665</b> 48 131	<b>1,185</b> 181 192	6,452 1,252 181 251	<b>6,683</b> <b>1,220</b> 181 217
Total assets         Current liabilities         S/T debts         Accounts payable         Other payables & accruals	<b>3,613</b> <b>475</b> 4 86 304	<b>4,569</b> <b>665</b> 48 131 386	<b>1,185</b> 181 192 684	6,452 1,252 181 251 684	<b>6,683</b> <b>1,220</b> 181 217 684
Total assets         Current liabilities         S/T debts         Accounts payable         Other payables & accruals         Other current liabilities	<b>3,613</b> <b>475</b> 4 86 304 81	<b>4,569</b> <b>665</b> 48 131 386 100	<b>1,185</b> 181 192 684 128	6,452 1,252 181 251 684 136	<b>6,683</b> <b>1,220</b> 181 217 684 137
Total assets         Current liabilities         S/T debts         Accounts payable         Other payables & accruals         Other current liabilities         Non-current liabilities	3,613 475 4 86 304 81 55	4,569 665 48 131 386 100 549	<b>1,185</b> 181 192 684 128 <b>1,489</b>	6,452 1,252 181 251 684 136 1,489	6,683 1,220 181 217 684 137 1,490
Total assets         Current liabilities         S/T debts         Accounts payable         Other payables & accruals         Other current liabilities         Non-current liabilities         L/T debts	3,613 475 4 86 304 81 55 22	<b>4,569</b> <b>665</b> 48 131 386 100 <b>549</b> 518	1,185 181 192 684 128 1,489 1,459	6,452 1,252 181 251 684 136 1,489 1,459	6,683 1,220 181 217 684 137 1,490 1,459
Total assets         Current liabilities         S/T debts         Accounts payable         Other payables & accruals         Other current liabilities         Non-current liabilities         L/T debts         Other L/T liabilities	3,613 475 4 86 304 81 55 22 34	4,569 665 48 131 386 100 549 518 31	<b>1,185</b> 181 192 684 128 <b>1,489</b> 1,459 30	6,452 1,252 181 251 684 136 1,489 1,459 30	6,683 1,220 181 217 684 137 1,490 1,459 31
Total assets         Current liabilities         S/T debts         Accounts payable         Other payables & accruals         Other current liabilities         Non-current liabilities         L/T debts         Other L/T liabilities         Total liabilities	3,613 475 4 86 304 81 55 22 34 531	4,569 665 48 131 386 100 549 518 31 1,214	1,185 181 192 684 128 1,489 1,459 30 2,674	6,452 1,252 181 251 684 136 1,489 1,459 30 2,741	6,683 1,220 181 217 684 137 1,490 1,459 31 2,709
Total assets         Current liabilities         S/T debts         Accounts payable         Other payables & accruals         Other current liabilities         Non-current liabilities         L/T debts         Other L/T liabilities         Total liabilities         Share capital	3,613 475 4 86 304 81 55 22 22 34 531 1,966	4,569 665 48 131 386 100 549 518 31 1,214 1,979	1,185 181 192 684 128 1,489 1,459 30 2,674 1,985	6,452 1,252 181 251 684 136 1,489 1,459 30 2,741 1,985	6,683 1,220 181 217 684 137 1,490 1,459 31 2,709 1,985
Total assets         Current liabilities         S/T debts         Accounts payable         Other payables & accruals         Other current liabilities         Non-current liabilities         L/T debts         Other L/T liabilities         Total liabilities         Share capital         Reserves	3,613 475 4 86 304 81 55 22 22 34 531 1,966 279	4,569 665 48 131 386 100 549 518 31 1,214 1,979 549	1,185 181 192 684 128 1,489 1,459 30 2,674 1,985 777	6,452 1,252 181 251 684 136 1,489 1,459 30 2,741 1,985 929	6,683 1,220 181 217 684 137 1,490 1,459 31 2,709 1,985 1,192

## **Cashflow Statement**

USD mn	2019	2020	2021E	2022E	2023E
CF from operating activities	163	269	513	588	728
Pretax income	182	46	198	177	223
Depreciation & amortization	129	206	326	430	499
Changes of W/C	6	4	(190)	13	45
Tax paid	(27)	(13)	(47)	(28)	(36)
Others	(127)	25	225	(4)	(3)
CF from investing activities	(723)	(406)	(1,431)	(941)	(638)
Capital expenditure	(922)	(1,087)	(1,440)	(950)	(650)
Other investments	200	682	9	9	12
CF from financing activities	263	540	1,037	(0)	66
Dividends paid	(51)	0	0	(56)	(58)
Shares issued (cancelled)	3	8	7	0	0
Debt issued (repaid)	(4)	539	1,074	0	0
Others	316	(7)	(44)	56	124
Net cash flow	(301)	447	122	(353)	157

Sources: Company data, CMS (HK) estimates; price as of Nov 11, 2021

### Profit & Loss Statement

USD mn	2019	2020	2021E	2022E	2023E
Revenue	933	961	1,596	1,995	2,131
Cost of sales	(650)	(726)	(1,179)	(1,471)	(1,555)
Gross profit	282	235	417	524	576
S&M expenses	(9)	(8)	(10)	(16)	(17)
G&A expenses	(170)	(261)	(239)	(348)	(359)
Op. profit	104	(35)	168	160	200
Interest income	19	11	13	13	13
Interest expense	(1)	(3)	(11)	(12)	(12)
Other non-op items	60	73	29	16	22
Pretax Income	182	46	198	177	223
Tax expense	(27)	(13)	(47)	(28)	(36)
Net income (bef Min)	155	33	151	149	187
Minority interests	7	66	49	60	76
Net income (aft Min)	162	99	200	209	263
FD EPS (USD)	0.13	0.08	0.15	0.16	0.20

## Financial Ratios

i interior i como o					
	2019	2020	2021E	2022E	2023E
yoy growth rate					
Revenue	0.2%	3.1%	66.1%	25.0%	6.8%
Op. profit	-42.7%	n.a.	n.a.	-4.6%	24.9%
Net income	-11.4%	-38.7%	101.5%	4.1%	26.1%
Profitability					
Gross margin	30.3%	24.4%	26.1%	26.3%	27.0%
Op. margin	11.1%	-3.6%	10.5%	8.0%	9.4%
Net margin.	17.4%	10.3%	12.6%	10.5%	12.3%
ROE	7.4%	4.2%	7.6%	7.4%	8.6%
Liquidity					
Debt to equity	0.8%	16.9%	46.1%	44.2%	41.3%
Net debt to equity	-14.6%	-10.6%	16.7%	25.6%	19.9%
Current ratio	3.1	2.1	1.5	1.2	1.2
Quick ratio	2.8	1.8	1.1	0.8	1.0
Operating efficiency					
Asset turnover	0.3	0.2	0.3	0.3	0.3
Inventory turnover	0.2	0.3	0.3	0.3	0.2
AR turnover	0.2	0.1	0.1	0.1	0.1
AP turnover	0.1	0.1	0.1	0.2	0.1
Per share ratios (USD)					
EPS	0.13	0.08	0.15	0.16	0.20
BPS	1.74	1.95	2.12	2.24	2.44
Net cash PS	0.35	0.27	(0.45)	(0.72)	(0.60)
FCF PS	(0.59)	(0.62)	(0.70)	(0.27)	0.06
EBITDA PS	0.24	0.19	0.40	0.47	0.55
Valuation ratios					
P/E	18.1	75.3	38.3	36.8	29.2
P/B	1.3	2.9	2.7	2.6	2.4
EV/EBITDA	10.6	30.6	15.4	13.3	11.2

# Investment Ratings

Industry Rating	Definition
OVERWEIGHT	Expect sector to outperform the market over the next 12 months
NEUTRAL	Expect sector to perform in-line with the market over the next 12 months
UNDERWEIGHT	Expect sector to underperform the market over the next 12 months
Compony Dating	Definition

Company Rating	Definition
BUY	Expect stock to generate 10%+ return over the next 12 months
NEUTRAL	Expect stock to generate +10% to -10% over the next 12 months
SELL	Expect stock to generate loss of 10%+ over the next 12 months

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