CMB International Securities | Equity Research | Company Update

# AAC Technologies (2018 HK)

# 2Q20 another miss; Maintain Hold on slower optics in near term

AAC's 2Q20 net profit declined 21% YoY to RMB268, 11%/34% below our/ consensus estimate, while revenue (+12% YoY) is 6%/5% above our/market expectations. GPM remained weak at 23.3% (vs 25% in 2Q19), in-line with our estimate but well below 30.3% for consensus, mainly due to lower optics margin of 13.8% (vs 30% guidance). While we expect plastic lens shipment will remain on track to achieve 60kk/100kk per month by 3Q/4Q20E (vs 34kk/m avg. in 2Q), we are cautious on optics margin guidance (production GPM at 35%/40% in 3Q/4Q, vs 26% in 2Q), given slower spec upgrade, Huawei weakness (AAC's No. 2 lens client) and intense competition. Given high-end demand weakness, mgmt. also toned down WLG lens production target to 20mn (from 30mn) in 2020. Our FY20/21E EPS is 20%/22% below consensus. Maintain Hold given fair valuation at 26x FY21E P/E and optics industry headwinds in 2H20E.

- 2Q20 miss on weaker optics margin. AAC's 2Q20 net profit of RMB268 (-21% YoY) is 11%/34% below our/consensus estimates, while revenue delivered better growth of 12% YoY, driven by iPhone strength and Android restocking post-COVID-19. 2Q GPM came in at 23.2% below 30.3% for consensus, due to weaker optics margin in our view. By segment, acoustic/ MEMS/ ED&PM grew 8%/14%/11% YoY, while optics revenue (9% of sales) grew 43% YoY, largely in-line. We think major disappointment came from weaker optics margin at 13.8%, below guidance of 30% and our street-low estimate of 15%.
- Optics: margin headwinds in 2H20E despite higher "production GPM". AAC disclosed plastic lens shipment/ASP for the first time, and 2Q lens shipment reached 102kk with avg. 34kk per month (vs 60kk/m output in 2Q). Mmgt. explained the difference between "production output/GPM" and "sales shipment/GPM" was due to inventory level of 1-1.5 month. Although mgmt. guided higher "production GPM" of 35%/40%+ in 3Q/4Q20E (vs 26% in 2Q20), we remain conservative on AAC's optics GPM in 2H20E given weak spec upgrade, Huawei uncertainties (AAC's No. 2 lens client) and industry headwinds with intense competition from Sunny/ Largan/ O-Film. We model 22%/25% for AAC's optics GPM in 3Q/4Q20E (vs 13.8% in 2Q).
- Our FY20/21E EPS are 20%/22% below consensus; Maintain HOLD. We raised FY20-22E EPS by 2-8% for higher iPhone shipment forecast. Our FY20-22E EPS remains 13-22 % below consensus given our more bearish GPM estimates. Our new SOTP-based TP is HK\$47.3, implying 22x FY21E P/E. Upside risks include better optics margin and stronger iPhone shipment.

## **Earnings Summary**

(YE 31 Dec)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue (RMB mn)	18,131	17,884	18,377	20,148	21,492
YoY growth (%)	(14.1)	(1.4)	2.8	9.6	6.7
Net income (RMB mn)	3,796	2,222	1,722	2,329	2,718
EPS (RMB)	3.12	1.84	1.42	1.92	2.25
YoY growth (%)	(28.5)	(41.1)	(22.5)	35.3	16.7
Consensus EPS (RMB)	NA	NA	1.74	2.48	2.90
P/E (x)	15.3	25.9	33.4	24.7	21.2
P/B (x)	3.1	2.9	2.9	2.7	2.5
Yield (%)	3.8	2.7	2.1	1.4	1.7
ROE (%)	20.0	11.3	8.5	10.7	11.6

Source: Company data, Bloomberg, CMBIS estimates



 AAC tech (2018 HK) - Profit warning affirms our cautious view; Maintain Sell – 9 Apr 2020

AAC Tech (2018 HK) - Strategic

investors to boost synergy and unlock value; Upgrade to HOLD –

# HOLD (Maintain)

Target Price	HK\$47.3
(Previous TP	HK\$45.3)
Up/Downside	-14%
Current Price	HK\$55.6

#### **China Technology Sector**

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#### Stock Data

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Mkt. Cap. (HK\$mn)	66,770
Avg. 3mths t/o (HK\$mn)	771.39
52W High/Low (HK\$)	72.9/ 32.85
Total Issued Shares (mn)	1,209
Source: Bloomberg	

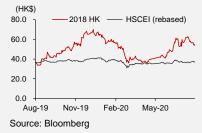
#### Shareholding Structure

Chunyuan Wu	21.75%
Zhengmin Pan	19.24%
JPMorgan Chase	11.51%
Source: HKEx	

#### Share Performance

	Absolute	Relative
1-mth	-9.9%	-8.9%
3-mth	35.4%	25.0%
6-mth	-4.4%	1.0%
Source: Bloomberg	)	

#### 12-mth Price Performance



### Auditor: Deloitte Touche Tohmatsu

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23 Jul 2020

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# **2Q20 Results Review**

# Figure 1: 2Q20 results review

						CMBIS		Consensus		
RMB mn	1Q19	1Q20	2Q20	QoQ	YoY	2Q20E	Diff %	2Q20E	Diff %	
Revenue	3,753	3,560	4,277	20%	12%	4,051	6%	4,097	4%	
Gross Profit	1,129	823	995	21%	4%	965	3%	1,137	-12%	
Operating Profit	488	95	262	176%	-26%	324	-19%	471	-44%	
Net profit	432	53	268	409%	-21%	302	-11%	391	-32%	
EPS (RMB)	0.36	0.04	0.22	409%	-21%	0.25	-11%	0.33	-34%	
<u>Margin (%)</u>										
Gross Margin	30.1%	23.1%	23.3%			23.8%	-0.6 ppt	30.3%	-7.0 ppt	
Operating Margin	13.0%	2.7%	6.1%			8.0%	-1.9 ppt	11.5%	-5.4 ppt	
Net Margin	11.5%	1.5%	6.3%			7.5%	-1.2 ppt	9.5%	-3.3 ppt	
Growth (%)										
Revenue (YoY)	-19%	-5%	12%			6%		7.4%		
Revenue (QoQ)	-22%	-33%	-76%			-77%		19.0%		
Operating profit	-59%	-81%	-26%			-8%		33.1%		
Net profit	-62%	-88%	-21%			-11%		15.7%		

Source: Company data, Bloomberg, CMBIS

## Figure 2: Revenue breakdown

RMB mn	FY18	FY19	1Q20	2Q20	3Q20E	4Q20E	FY20E	FY21E	FY22E
Revenue									
Dynamic components	8,675	8,167	1,421	1,908	2,139	2,193	7,661	7,811	8,074
MEMS components	814	929	199	259	318	285	1,061	1,114	1,170
Haptics & RF	8,073	7,694	1,691	1,725	1,793	2,503	7,712	7,796	7,651
Others (incl. optics)	569	1,094	249	385	695	827	2,157	4,330	4,775
Total	18,131	17,884	3,560	4,277	4,946	5,808	18,591	21,051	21,670
Revenue mix									
Dynamic components	48%	46%	40%	45%	43%	38%	41%	37%	37%
MEMS components	4%	5%	6%	6%	6%	5%	6%	5%	5%
Haptics & RF	45%	43%	47%	40%	36%	43%	41%	37%	35%
Others (incl. optics)	3%	6%	7%	9%	14%	14%	12%	21%	22%
YoY Growth (%)									
Dynamic components	-9%	-6%	-24%	8%	-6%	-2%	-6%	2%	3%
MEMS components	-4%	14%	29%	14%	10%	10%	14%	5%	5%
Haptics & RF	-22%	-5%	11%	11%	-15%	2%	0%	1%	-2%
Others (incl. optics)	63%	92%	32%	41%	114%	138%	97%	101%	10%
Total	-14%	-1%	-5%	12%	-1%	9%	4%	13%	3%
Gross profit margin									
Dynamic components	37.2%	31.0%	26.0%	26.4%	32.0%	29.5%	28.8%	29.5%	30.0%
MEMS components	26.6%	27.5%	16.5%	16.1%	25.0%	25.0%	21.2%	25.0%	28.0%
Haptics & RF	40.6%	29.6%	23.6%	22.8%	25.8%	28.9%	25.6%	26.2%	26.8%
Others (incl. optics)	4.0%	3.2%	9.5%	13.8%	22.0%	25.0%	20.2%	26.0%	28.0%
Total	37.2%	28.6%	23.1%	23.3%	27.9%	28.4%	26.0%	27.3%	28.3%

Source: Company data, CMBIS



# **Earnings Revision**

# Figure 3: CMBIS earnings revisions

New				Old		Change (%)			
RMB mn	FY20E	FY21E	FY22E	FY20E	FY21E	FY22E	FY20E	FY21E	FY22E
Revenue	18,591	21,051	21,670	18,134	19,453	20,350	3%	8%	6%
Gross Profit	4,849	5,760	6,140	4,693	5,280	5,702	3%	9%	8%
Operating Profit	1,925	2,639	2,948	1,911	2,434	2,766	1%	8%	7%
Net profit	1,719	2,340	2,620	1,685	2,171	2,474	2%	8%	6%
EPS (RMB)	1.42	1.93	2.17	1.39	1.79	2.04	2%	8%	6%
Gross Margin	26.1%	27.3%	28.3%	25.9%	27.1%	28.0%	0.2 ppt	0.2 ppt	0.3 ppt
Operating Margin	10.4%	12.5%	13.6%	10.5%	12.5%	13.6%	-0.2 ppt	0 ppt	0 ppt
Net Margin	9.2%	11.1%	12.1%	9.3%	11.2%	12.2%	0 ppt	0 ppt	-0.1 ppt

Source: Company data, CMBIS estimates

# Figure 4: CMBIS estimates vs consensus

	CMBIS			Consensus			Diff (%)		
RMB mn	FY20E	FY21E	FY22E	FY20E	FY21E	FY22E	FY20E	FY21E	FY22E
Revenue	18,591	21,051	21,670	19,161	22,681	22,681	-3%	-7%	-4%
Gross Profit	4,849	5,760	6,140	5,308	6,693	6,693	-9%	-14%	-8%
Operating Profit	1,925	2,639	2,948	2,400	3,404	3,404	-20%	-22%	-13%
Net profit	1,719	2,340	2,620	2,120	3,001	3,001	-19%	-22%	-13%
EPS (RMB)	1.42	1.93	2.17	1.78	2.49	2.49	-20%	-22%	-13%
Gross Margin	26.1%	27.3%	28.3%	27.7%	29.5%	29.5%	-1.6 ppt	-2.2 ppt	-1.2 ppt
Operating Margin	10.4%	12.5%	13.6%	12.5%	15.0%	15.0%	-2.2 ppt	-2.5 ppt	-1.4 ppt
Net Margin	9.2%	11.1%	12.1%	11.1%	13.2%	13.2%	-1.8 ppt	-2.1 ppt	-1.1 ppt

Source: Bloomberg, CMBIS estimates

# Figure 5: P&L forecast

RMB mn	FY18	FY19	1Q20	2Q20	3Q20E	4Q20E	FY20E	FY21E	FY22E
Revenue	18,131	17,884	3,560	4,277	4,946	5,808	18,591	21,051	21,670
YoY	-14.1%	-1.4%	-5.1%	12.1%	-1.3%	9.5%	4.0%	13.2%	2.9%
Cost of sales	(11,388)	(12,777)	(2,737)	(3,282)	(3,567)	(4,161)	(13,747)	(15,296)	(15,536)
Gross profit	6,743	5,107	823	995	1,379	1,647	4,844	5,754	6,134
GPM (%)	37.2%	28.6%	23.1%	23.3%	27.9%	28.4%	26.1%	27.3%	28.3%
YoY	-22.7%	-24.3%	-27.1%	4.2%	-7.0%	7.0%	-5.1%	18.8%	6.6%
SG&A	(966)	(918)	(239)	(240)	(228)	(312)	(1,018)	(1,095)	(1,127)
% of rev	-5.3%	-5.1%	-6.7%	-5.6%	-4.6%	-5.4%	-5.5%	-5.2%	-5.2%
R&D	(1,512)	(1,717)	(489)	(494)	(425)	(494)	(1,902)	(2,021)	(2,059)
% of rev	-8.3%	-9.6%	-13.7%	-11.5%	-8.6%	-8.5%	-10.2%	-9.6%	-9.5%
Operating profit	4,265	2,472	95	262	726	842	1,925	2,639	2,948
OPM (%)	23.5%	13.8%	2.7%	6.1%	14.7%	14.5%	10.4%	12.5%	13.6%
YoY	-29.9%	-42.0%	-80.5%	-25.9%	-12.4%	5.0%	-22.1%	37.1%	11.7%
Net profit	3,796	2,222	53	268	605	793	1,719	2,340	2,620
NPM (%)	20.9%	12.4%	1.5%	6.3%	12.2%	13.7%	9.2%	11.1%	12.1%
YoY	-28.7%	-41.5%	-87.8%	-20.8%	-13.0%	4.8%	-22.7%	36.1%	12.0%

Source: Company data, CMBIS



# Valuation

# Maintain HOLD with new TP HK\$47.3

We derived our TP of HK\$ 47.3 based on SOTP to reflect business diversification with different growth profiles and visibility. Our TP is based on weighted-average target P/E multiple of 22.0x FY21E EPS. We assign 20x P/E to AAC's core businesses, including acoustics, MEMS, haptics and mechanical RF, in-line with HK-listed peers, while we assign 30x P/E to optics segment to reflect high growth profile and improving profitability.

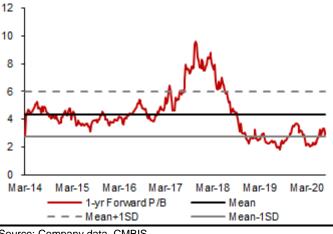
Figure 6: AAC Tech – SOTP valuation											
Business segment	Value per share (RMB)	Valuation Methodology	Target P/E	% of FY21E Profit	FY21E EPS (RMB)						
Acoustics	15.5	P/E target multiple	20x	40%	0.77						
MEMS	1.9	P/E target multiple	20x	5%	0.09						
ED & PM	13.8	P/E target multiple	20x	36%	0.69						
Optics	11.4	P/E target multiple	30x	20%	0.38						
TP (RMB)	42.5		22.0x	·,	1.93						
TP (HK\$)	47.3										

Sources: Company data, CMBIS

## Figure 7: 12M forward P/E band



## Figure 8: 12M forward P/B band



Source: Company data, CMBIS

Source: Company data, CMBIS



# **Financial Summary**

Income statement						Cash flow summary					
YE 31 Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E	YE 31 Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue	18,131	17,884	18,591	21,051	21,670	Profit before taxation	4,310	2,552	2,035	2,659	2,977
COGS	(11,388)	(12,777)	(13,747)	(15,296)	(15,536)	Depreciation	1,750	1,803	2,003	2,203	2,403
Gross profit	6,743	5,107	4,844	5,754	6,134	Change in working capital	1,149	(627)	(40)	(1,062)	899
-						Others	(420)	(85)	(6)	12	(47)
Selling and marketing	(317)	(275)	(307)	(337)	(347)	Net cash from operating	6,789	3,644	3,992	3,812	6,232
Administrative	(650)	(643)	(711)	(758)	(780)						
R&D	(1,512)	(1,717)	(1,902)	(2,021)	(2,059)	Capex	(2,941)	(3,000)	(2,800)	(2,800)	(2,800)
Operating profit	4,265	2,472	1,925	2,639	2,948	Other	(658)	68	0	0	0
						Net cash from investing	(3,599)	(2,932)	(2,800)	(2,800)	(2,800)
Financial cost	(218)	(248)	(303)	(303)	(303)						
Other income/(losses)	264	329	414	323	331	Net borrowings	(555)	0	0	0	0
Pre-tax profit	4,310	2,552	2,035	2,659	2,977	Interest paid	(216)	(248)	(303)	(303)	(303)
						Dividend paid	(2,182)	(1,531)	(1,184)	(819)	(917)
Tax	(514)	(330)	(317)	(319)	(357)	Other	(294)	0	0	0	0
Minority interest	-	-	(1)	(1)	(1)	Net cash from financing	(3,247)	(1,779)	(1,487)	(1,122)	(1,220)
Net profit	3,796	2,222	1,719	2,340	2,620						
						Net change in cash	(57)	(1,068)	(295)	(110)	2,212
						Cash at beg of year	4,034	4,059	2,991	2,697	2,586
						Exchange difference	81	0	0	0	0
						Cash at end of year	4,059	2,991	2,697	2,586	4,798

Balance sheet						Key ratios					
YE 31 Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E		FY18A	FY19A	FY20E	FY21E	FY22E
Current assets	11,985	11,918	11,336	13,590	14,062	Sales mix (%)					
Cash & equivalents	4,126	2,991	2,697	2,586	4,798	Dynamic components	47.8	45.7	41.2	37.1	37.3
Trade and other rev.	4,474	6,930	4,856	8,371	5,383	MEMS (microphone)	4.5	5.2	5.7	5.3	5.4
Inventories	3,319	1,931	3,718	2,568	3,817	Electro. (haptics)	44.5	43.0	41.5	37.0	35.3
Other current assets	65	65	65	65	65	Other	3.1	6.1	11.6	20.6	22.0
Non-current assets	17,884	19,080	19,877	20,474	20,870	Growth (%)					
PPE	15,440	16,637	17,433	18,030	18,426	Revenue	(14.1)	(1.4)	4.0	13.2	2.9
Lease prepayments	622	622	622	622	622	Gross profit	(22.7)	(24.3)	(5.1)	18.8	6.6
Intangible assets	367	367	367	367	367	Operating Income	(29.9)	(42.0)	(22.1)	37.1	11.7
Other non-curr. assets	1,455	1,455	1,455	1,455	1,455	Net profit	(28.7)	(41.5)	(22.7)	36.1	12.0
Total assets	29,869	30,998	31,213	34,063	34,932						
						Profitability (%)					
Current liabilities	8,317	8,754	8,435	9,765	8,931	Gross Margin	37.2	28.6	26.1	27.3	28.3
Short-term borrowings	3,493	3,493	3,493	3,493	3,493	Operating Margin	23.5	13.8	10.4	12.5	13.6
Trade & other payables	4,548	4,989	4,661	5,963	5,123	Net margin	20.9	12.4	9.2	11.1	12.1
Tax payables	205	202	210	238	245						
Other current liabilities	71	71	71	71	71	Balance sheet ratios					
						Net debt/total equity (x)	0.1	0.1	0.2	0.2	0.0
Non-current liabilities	2,618	2,618	2,618	2,618	2,618	Current ratio (x)	1.4	1.4	1.3	1.4	1.6
Government grants	118	118	118	118	118	Receivable turnover days	88	90.0	90.0	90.0	90.0
Deferred tax liabilities	72	72	72	72	72	Inventory turnover days	89	75.0	75.0	75.0	75.0
Other non-current liab.	2,429	2,429	2,429	2,429	2,429	Payable turnover days	85	70.0	70.0	70.0	70.0
Total liabilities	10,935	11,373	11,053	12,383	11,549						
						Returns (%)					
Share capital	99	99	99	99	99	ROE	20.0	11.3	8.5	10.8	11.2
Reserves	18,835	19,527	20,061	21,583	23,286	ROA	12.7	7.2	5.5	6.9	7.5
Minority interest											
Shareholders' equity	18,934	19,626	20,160	21,682	23,385	Per share data (RMB)					
Total equity & liabilities	29,869	30,998	31,213	34,064	34,934	EPS	3.12	1.84	1.42	1.93	2.17
Courses Compony data						DPS	1.79	1.27	0.98	0.68	0.76

Source: Company data, CMBIS estimates



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