

Coway (021240)

1023 Preview: New Valuation Low

Shinay Park
Retail / Cosmetics
+82-2-6114-2930
shinay.park@kbfg.com

March 16, 2023

Shares trading at P/E of 7x, lowest since 2003

2023E consolidated revenue, OP growth of +7%, +9%; Double-digit revenue growth expected in U.S., Malaysia

1Q23 preview: In line with consensus with revenue, OP growth of +9%, +8%

We maintain BUY on Coway but cut our TP by 11% to KRW80,000. Despite steady earnings and a diverse business portfolio, the stock has been struggling due to the drop in payout ratio since 2020 and free cash flow since 2021. Shares in Coway are currently trading at 7x P/E, the lowest since 2023—indicating an opportunity for bottom fishing.

We forecast 2023 consolidated revenue growth of 7% and OP growth of 9%. Standalone (domestic) revenue and OP should each inch up less than 2%, while Malaysia/U.S. revenue grows 15%/14% (overseas revenue contribution to increase 3.2pp YoY). Domestic operations will see a net increase in accounts of just 93k due to the large number of expiring own-after-rent accounts, but the release of new product categories (e.g., massage chairs), easing competition in water purifier rental market, and price hikes should sustain steady results. In the U.S., Coway plans on spending the next two years making preparations for increasing market penetration and expanding regional coverage, and on releasing new models in 2025. In Thailand, revenue is expected to exceed KRW100.0bn for the first time.

We forecast 1Q23 consolidated revenue of KRW1.02tn (+9% YoY) and OP of KRW186.0bn (+8% YoY), which is in line with the market consensus.

(1) <u>Domestic (standalone)</u> revenue should come in at KRW727.1bn (+2% YoY) and OP at KRW133.1bn (-7% YoY; OPM to retreat 1.9pp YoY due to high base). New rental contract sales should grow 2% YoY, while cancellation rate should remain at a low 0.7%. With 215k accounts set to expire, number of accounts should see a net increase of just 23k QoQ.

73.2%

61 3%

12M

-25.2

-18.6

Netmarble and 6 others 25.1% National Pension Service 7.5%

6M

-11.4

-12.9

3M

-11.1

-13.2

Buy Maintain

Target Price (Lowered)	KRW80,000
Dividend yield*	2.9%
Total return	66.5%
Current price (Mar 16)	KRW48,900
Consensus target price	KRW85,333
Market capitalization	USD2.7bn
* 12-month forward	

Earnings Forecast & Valuation

Larmings rorccast & valuation				
Fiscal year-end	2022P	2023E	2024E	2025E
Revenue (KRWbn)	3,856	4,118	4,377	4,666
OP (KRWbn)	677	740	793	846
NP to control, int. (KRWbn)	458	525	566	606
EPS (KRW)	6,208	7,114	7,665	8,213
EPS growth (%)	-1.6	14.6	7.7	7.1
P/E (x)	9.0	6.9	6.4	6.0
EV/EBITDA (x)	3.9	3.1	2.8	2.4
P/B (x)	1.8	1.3	1.1	1.0
ROE (%)	21.7	20.7	19.0	17.5
Div. yield (%)	2.3	2.9	3.0	3.1

Trading Data

Foreign ownership

Major shareholders

Avg. T/O val. (3m, KRWbn)

Stock Price Performance (total return)

1M

-14.1

-10.5

Free float

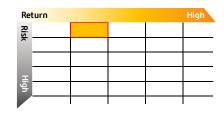
(%)

Absolute

Relative

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Risk & Total Return (annualized over three years)



Stock Price & Relative Performance

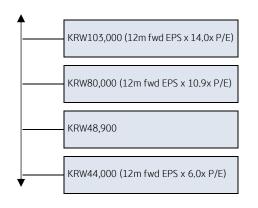


Source(s): Company data, KB Securities

- (2) <u>Malaysia</u> revenue should grow 15% and OP inch up 1%. The top-line growth should be attributable to brisk sales of air conditioners and massage chairs launched in February.
- (3) <u>U.S.</u> revenue should grow 14%, but OP should retreat 24% to KRW1.8bn (3.5% OPM) as the SG&A expense burden (e.g., logistics, warehouse storage) persists.

Investment Opinion & Risks





Base-case scenario: Catalysts

- 1) 2022-25 domestic revenue CAGR at 2.5%
- 2) 2022-25 overseas revenue CAGR at 14%

Bull-case scenario: Upside risks

- 1) 2022-25 domestic revenue CAGR above 2.5%
- 2) 2022-25 overseas revenue CAGR above 14%

Bear-case scenario: Downside risks

- 1) 2022-25 domestic revenue CAGR below 2.5%
- 2) 2022-25 overseas revenue CAGR below 14%

Revised Earnings Estimates

(KRWbn, %)	Previo	ous	Revis	ed	Chang	je
	2023E	2024E	2023E	2024E	2023E	2024E
Revenue	4,307.8	4,628.6	4,117.6	4,377.0	-4.4	-5.4
OP	754.6	811.6	739.7	792.8	-2.0	-2.3
NP (to control. int.)	533.8	585.9	525.0	565.7	-1.6	-3.4

Source(s): KB Securities estimates

KB Estimates vs. Consensus

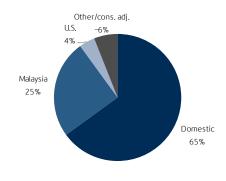
(KRWbn, %)	KB Estin	nates	Conser	isus	Differe	nce
	2023E	2024E	2023E	2024E	2023E	2024E
Revenue	4,117.6	4,377.0	4,083.4	4,254.1	0.8	2.9
OP	739.7	792.8	733.0	778.6	0.9	1.8
NP (to control. int.)	525.0	565.7	530.5	571.3	-1.0	-1.0

Source(s): FnGuide, KB Securities estimates

Valuation & Target Price Calculation

- 1) Valuation method: Discounted cash flow model
- 2) Target price calculation: 7.60% WACC; 1.50% TGR
- 3) Target price range: KRW44,000 - KRW103,000
- 4) Valuation at target price: 10.9x 12m fwd implied P/E, 2.08x P/B

Revenue Composition (2022)



Source(s): Company data, KB Securities

Earnings Sensitivity Analysis

-		
(%)	EPS ch	nange
	2023E	2024E
+1pp in interest rate	-0.6	-0.5
+1% in FX rate	+0.3	+0.3

Peer Group Comparison

(KRWbn, x, %)	Market Cap.	12m fwd P/E	2y EPS CAGR	12m fwd P/B	12m fwd ROE	12m fwd EV/EBITDA	2y EBITDA CAGR
Coway	3,608.8	6.8	11.1	1.27	18.8	3.1	0.7
Amorepacific	7,264.8	34.0	54.8	1.69	5.0	11.3	13.4
LG H&H	8,730.6	18.6	67.5	1.68	9.0	8.1	12.7

Source(s): KB Securities estimates

Table 1. KB Estimates vs. Consensus (consolidated)

(KRWbn)	1Q23E (KB)	1Q22	YoY (%)	4Q22	QoQ (%)	1Q23E (Cons.)	Diff. (%)	2023E (KB)	YoY (%)	2023E (Cons.)	Diff. (%)
Revenue	1,015.4	928.0	9.4	980.2	3.6	981.3	3.5	4,117.6	6.8	4,083.4	0.8
OP	186.0	172.7	7.7	163.7	13.6	184.3	0.9	739.7	9.2	733.0	0.9
EBT	183.2	191.9	-4.5	103.5	77.0	184.0	-0.4	728.5	6.6	724.5	0.6
NP (to control. int.)	131.9	135.0	-2.3	76.4	72.7	138.0	-4.4	524.5	14.6	530.1	-1.0
OPM (%)	18.3	18.6		16.7		18.8		18.0		18.0	
EBT margin (%)	18.0	20.7		10.6		18.8		17.7		17.7	
NPM (%)	13.0	14.5		7.8		14.1		12.7		13.0	

Table 2. Earnings Estimate Revisions

(KRWbn)			Previous			Revised		C	Change (%)	
		2023E	2024E	2025E	2023E	2024E	2025E	2023E	2024E	2025E
Revenue		4,307.8	4,628.6	N/A	4,117.6	4,377.0	4,665.7	-4.4	-5.4	N/A
OP		754.6	811.6	N/A	739.7	792.8	845.8	-2.0	-2.3	N/A
EBT		740.6	800.2	N/A	728.5	784.9	841.0	-1.6	-1.9	N/A
NP (to control.	. int.)	533.8	585.9	N/A	525.0	565.7	606.1	-1.6	-3.4	N/A
EPS (KRW)		7,357	8,075	N/A	7,236	7,796	8,353	-1.7	-3.5	N/A
YoY (%)	Revenue	11.7	7.4	N/A	6.8	6.3	6.6			
	OP	11.4	7.5	N/A	9.2	7.2	6.7			
	EBT	8.4	8.0	N/A	6.6	7.7	7.1			
	NP (to control, int.)	16.5	9.8	N/A	14.6	7.7	7.1			
	EPS	16.5	9.8	N/A	14.6	7.7	7.1			
OPM (%)		17.5	17.5	N/A	18.0	18.1	18.1			
EBT margin (%)	17.2	17.3	N/A	17.7	17.9	18.0			
NPM (to contro	ol. int.) (%)	12.4	12.7	N/A	12.8	12.9	13.0			

Source(s): Company data, KB Securities estimates

Note: Previous estimates based on data as of Sep 7, 2022

Table 3. Earnings & Estimates (consolidated)

(KRWbn)	lings & Estimates	1Q22	2Q22	3Q22	4Q22P	1Q23E	2Q23E	3Q23E	4Q23E	2021	2022P	2023E	2024E	2025E
Revenue														
Standalone		928.0	978.2	969.8	980.2	1,015.4	1,032.2	1,051.0	1,019.0	3,664.3	3,856.1	4,117.6	4,377.0	
Malaysia		710.1 262.8	700.1 274.7	721.2 276.5	682.1	727.1 302.2	715.1 315.9	738.5 318.0	696.2 319.1	2,814.6 980.1	2,813.5	2,876.8		
U.S.		45.8	53.7	50.7	277.5 49.6	52.2	61.2	57.8	56.5	169.7	1,091.5 199.8	1,255.2 227.8	257.4	1,588.6 285.7
Other subsidiarie	ć	50.1	65.3	60.0	69.0	65.9	74.2	73.3	79.5	169.7	199.6 244.4		333.4	371.5
Cons. adj.	3									-470.0		292.8		
YoY (%)	Revenue	-140.8	-115.6	-138.7	-98.0	-131.9	-134.1	-136.6	-132.4		-493.1	-535.1	-568.8	-606.3
101 (%)		5.6	8.0	3.8	3.6	9.4	5.5	8.4	4.0	13.2	5.2	6.8	6.3	6.6
	Standalone	5.2	-1.5	5.1	-8.2	2.4	2.1	2.4	2.1	8.6	-0.0	2.3	2.1	3.1
	Malaysia U.S.	9.3	16.1	7.9	12.4	15.0	15.0	15.0	15.0	38.4	11.4	15.0	13.0	12.0
	Other subsidiaries	6.8	50.0	-12.6	50.3	14.0	14.0	14.0	14.0	11.3	17.7	14.0	13.0	11.0
	Cons. adj.	142.0	49.8	15.2	29.2	31.4	13.6	22.2	15.2	113.9	43.9	19.8	13.9	11.4
Droportion (9)	Revenue	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RF
Proportion (%)		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Standalone	76.5	71.6	74.4	69.6	71.6	69.3	70.3	68.3	76.8	73.0	69.9	67.1	64.9
	Malaysia U.S.	28.3	28.1	28.5	28.3	29.8	30.6	30.3	31.3	26.7	28.3	30.5	32.4	34.0
	U.S. Other subsidiaries	4.9	5.5	5.2	5.1	5.1	5.9	5.5	5.5	4.6	5.2	5.5	5.9	6.1
	Cons. adj.	5.4 -15.2	6.7 -11.8	6.2 -14.3	7.0 -10.0	6.5 -13.0	7.2 -13.0	7.0 -13.0	7.8 -13.0	4.6 -12.8	6.3 -12.8	7.1 -13.0	7.6 -13.0	8.0 -13.0
Operating profit	Cons. daj.	172.7		165.1	163.7	186.0	186.8	191.8	175.1	640.2	677.4	739.7	792.8	
Standalone		143.1	176.0 123.4	135.5	112.8	133.1	130.9	135.1	118.4	451.7	514.7	517.4	528.2	845.8 544.2
Malaysia		53.7	50.4	49.5	48.4	54.4	56.9	57.2	57.4	199.4	202.0	225.9	262.4	293.9
U.S.		2,4	8.3	-0.1	-4.0	1.8	2.1	2.0	2.0	7.8	6.6	8.0	9.3	10.3
Other subsidiarie	ς	-4.7	-6.3	-8.7	-6.2	-4.2	-4.0	-3.5	-3.5	-24.6	-25.9	-15.3	-11.0	-6.8
Cons. adj.	3	-21.9	0.2	-11.1	12.6	0.9	0.9	1.0	0.9	5.9	-20.1	3.7	3.9	4.2
YoY (%)	OP	1.1	5.7	0.8	17.5	7.7	6.1	16.2	7.0	5.6	5.8	9.2	7.2	6.7
(,,,	Standalone	27.8	0.7	29.6	0.1	-7.0	6.1	-0.2	4.9	-0.8	14.0	0.5	2.1	3.0
	Malaysia	-4.3	-15.4	-9.7	67.5	1.3	12.8	15.6	18.7	53.3	1.3	11.9	16.1	12.0
	U.S.	-57.9	822.2	TTR	RR	-23.9	-74.2	TTB	TTB	-60.6	-15.4	20.8	16.2	11.0
	Other subsidiaries	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR
	Cons. adj.	TTR	TTB	TTR	89,4	TTB	295.4	TTB	-93.1	-50.8	TTR	TTB	7.2	6.7
OPM (%)	OP	18.6	18.0	17.0	16.7	18.3	18.1	18.2	17.2	17.5	17.6	18.0	18.1	18.1
	Standalone	20.2	17.6	18.8	16.5	18.3	18.3	18.3	17.0	16.0	18.3	18.0	18.0	18.0
	Malaysia	20,4	18.3	17.9	17.4	18.0	18.0	18.0	18.0	20.3	18.5	18.0	18.5	18.5
	U.S.	5.2	15.5	-0.2	-8.1	3.5	3.5	3.5	3.5	4.6	3.3	3.5	3.6	3.6
	Other subsidiaries	-9.4	-9.6	-14.5	-9.0	-6.4	-5.4	-4.8	-4.5	-14.5	-10.6	-5.2	-3.3	-1.8
	Cons. adj.	15.5	-0.2	8.0	-12.9	-0.7	-0.7	-0.7	-0.7	-1.3	4.1	-0.7	-0.7	-0.7
Proportion (%)	OP	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Standalone	82.9	70.1	82.1	68.9	71.5	70.0	70.5	67.6	70.6	76.0	69.9	66.6	64.3
	Malaysia	31.1	28.6	30.0	29.6	29.3	30.4	29.8	32.8	31.1	29.8	30.5	33.1	34.7
	U.S.	1.4	4.7	-0.1	-2.4	1.0	1.1	1.1	1.1	1.2	1.0	1.1	1.2	1.2
	Other subsidiaries	-2.7	-3.6	-5.3	-3.8	-2.3	-2.1	-1.9	-2.0	-3.8	-3.8	-2.1	-1.4	-0.8
Gross profit		599.7	626.3	612.9	647.6	652.1	656.8	660.1	669.1	2,388.9	2,486.5	2,638.1	2,799.9	2,980.0
EBT		191.9	194.1	193.8	103.5	183.2	184.0	189.0	172.3	658.6	683.3	728.5	784.9	841.0
NP (to control. in	t.)	135.1	132.6	114.0	76.5	132.0	132.6	136.2	124.2	465.7	458.2	525.0	565.7	606.1
EBITDA		298.1	297.6	284.7	279.9	290.7	291.6	296.6	279.9	1,162.8	1,160.3	1,158.8	1,176.9	1,224.4
YoY (%)	Gross profit	3.4	5.4	1.6	5.9	8.7	4.9	7.7	3.3	8.9	4.1	6.1	6.1	6.4
	EBT	9.8	21.4	4.3	-25.1	-4.5	-5.2	-2.5	66.5	21.9	3.8	6.6	7.7	7.1
	NP (to control, int.)	7.3	14.5	-16.5	-12.6	-2.2	0.0	19.5	62.4	15.0	-1.6	14.6	7.7	7.1
	EBITDA	-2.1	-0.0	-3.1	4.8	-2.5	-2.0	4.2	0.0	1.1	-0.2	-0.1	1.6	4.0
GPM (%)		64.6	64.0	63.2	66.1	64.2	63.6	62.8	65.7	65.2	64.5	64.1	64.0	63.9
EBT margin (%)		20.7	19.8	20.0	10.6	18.0	17.8	18.0	16.9	18.0	17.7	17.7	17.9	18.0
NPM (to control.	int.) (%)	14.6	13.6	11.8	7.8	13.0	12.8	13.0	12.2	12.7	11.9	12.8	12.9	13.0
EBITDA margin (%	%)	32.1	30.4	29.4	28.6	28.6	28.2	28.2	27.5	31.7	30.1	28.1	26.9	26.2

Note: RR=remain in red, TTB=turn to black, TTR=turn to red

5 Xb KB Securities

Table 4. Earnings & Estimates (standalone)

(KRWbn)		1Q22	2Q22	3Q22	4Q22P	1Q23E	2Q23E	3Q23E	4Q24E	2021	2022P	2023E	2024E	2025E
Revenue		710.1	700.1	721.2	682.1	727.1	715.1	738.5	696.2	2,814.6	2,813.5	2,876.8	2,936.6	3,026.1
Domestic hom	e appliance	559.5	573.7	571.3	572.5	568.9	582.6	580.9	581.9	2,245.3	2,277.0	2,314.2	2,343.7	2,400.1
Rental		365.1	361.3	349.2	343.2	358.6	351.2	338.8	305.5	1,542.4	1,418.9	1,354.2	1,288.5	1,254.9
Home care		159.9	180.3	189.3	198.1	179.1	201.9	212.0	247.6	542.8	727.5	840.6	941.5	1,035.6
Membership		22.7	22.2	22.3	22.2	21.4	21.1	21.2	21.1	93.5	89.3	84.7	81.8	79.3
Lump-sum p	ayment	8.6	6.3	6.8	5.6	6.6	4.9	5.2	4.3	53.8	27.2	21.0	18.4	17.1
Other		3.1	3.6	3.8	3.5	3.1	3.5	3.7	3.5	12.8	14.0	13.7	13.5	13.2
Exports		141.5	117.0	141.7	100.8	150.0	124.0	150.2	106.9	526.1	501.0	531.1	563.0	596.8
Cosmetics		9.1	9.4	8.2	8.3	8.2	8.4	7.4	7.5	43.2	35.0	31.5	29.9	29.3
YoY (%)	Revenue	5.2	-1.5	5.1	-8.2	2.4	2.1	2.4	2.1	8.6	-0.0	2,3	2.1	3.1
	Domestic HA	3.9	2.7	2.7	-3.2	1.7	1.6	1.7	1.6	5.6	1.4	1,6	1.3	2.4
	Rental	-7.4	-7.1	-8.2	-9.4	-1.8	-2.8	-3.0	-11.0	-3.4	-8.0	-4.6	-4.9	-2.6
	Home care	63.2	41.5	38.3	9.7	12.0	12.0	12.0	25.0	78.5	34.0	15.5	12.0	10.0
	Membership	-6.1	-6.4	-3.4	-1.5	-5.6	-5.1	-5.1	-5.1	-5.8	-4.4	-5.2	-3,4	-3.1
	Lump-sum	-54.4	-60.0	-45.8	-16.9	-22.8	-22.8	-22.8	-22.8	-52.8	-49.4	-22.8	-12.5	-7.3
	Other	0.2	11.0	13.3	12.8	-2.0	-2.0	-2.0	-2.0	-5.2	9.4	-2.0	-2.0	-2.0
	Exports	13.5	-16.4	18.1	-28.8	6.0	6.0	6.0	6.0	30.0	-4.8	6.0	6.0	6.0
	Cosmetics	-21.4	-22.5	-19.4	-11.1	-10.0	-10.0	-10.0	-10.0	-28.7	-19.0	-10.0	-5.0	-2.0
Proportion	Revenue	1												
(%)	Domestic HA	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(/0)		78.8	81.9	79.2	83.9	78.2	81.5	78.7	83.6	79.8	80.9	80.4	79.8	79.3
	Rental	51.4	51.6	48.4	50.3	49.3	49.1	45.9	43.9	54.8	50.4	47.1	43.9	41.5
	Home care	22.5	25.8	26.2	29.0	24.6	28.2	28.7	35.6	19.3	25.9	29.2	32.1	34.2
	Membership	3.2	3.2	3.1	3.3	2.9	2.9	2.9	3.0	3.3	3.2	2.9	2.8	2.6
	Lump-sum	1.2	0.9	0.9	8.0	0.9	0.7	0.7	0.6	1.9	1.0	0.7	0.6	0.6
	Other	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
	Export	19.9	16.7	19.6	14.8	20.6	17.3	20.3	15.4	18.7	17.8	18.5	19.2	19.7
	Cosmetics	1.3	1.3	1.1	1.2	1.1	1.2	1.0	1,1	1.5	1.2	1,1	1.0	1.0
OP		143.1	123.4	135.5	112.8	133.1	130.9	135.1	118.4	451.7	514.7	517.4	528.2	544.2
YoY (%)		27.8	0.7	29.6	0.1	-7.0	6.1	-0.2	4.9	-0.8	14.0	0.5	2.1	3.0
OPM (%)		20.2	17.6	18.8	16.5	18.3	18.3	18.3	17.0	16.0	18.3	18.0	18.0	18.0
Key rental assu	ımptions													
Total accounts	('000)	6,085.0	6,090.0	6,115.6	6,155.8	6,178.7	6,194.1	6,228.4	6,248.4	6,018.4	6,155.8	6,248.4	6,307.3	6,523.9
New ('000)		353.2	347.6	338.7	341.9	358.5	358.0	348.9	352.2	1,326.3	1,381.5	1,417.6	1,445.9	1,474.9
Churn ('000)		126.4	127.8	121.8	122.1	120.7	121.1	121.4	122.1	506.5	498.1	485.2	490.9	500.2
Expiries ('000))	160.3	214.8	191.3	179.6	214.9	221.6	193.1	210.1	610.3	746.0	839.8	896.1	758.1
Monthly ARPU	(KRW)	28,922	29,655	29,411	29,406	29,066	29,803	29,558	29,553	29,384	29,385	29,490	29,601	29,752
Monthly avg. cl	hurn (%)	0.70	0.70	0.67	0.67	0.65	0.65	0.65	0.65	0.73	0.69	0.66	0.65	0.66
Expiries (%)		45.8	54.1	60.2	56.6	57.0	57.0	60.0	58.0	43.6	54.0	57.9	57.0	56.0
Key membersh	ip assumptions													
Total accounts	('000)	470.6	468.4	460.0	456.1	447.1	444.9	437.0	433.3	485.1	456.1	433.3	420.3	407.7
Monthly ARPU	('000 KRW)	15.8	15.8	16.0	16.1	15.8	15.7	16.0	16.1	15.4	15.8	15.9	16.0	16.0
Key lump-sum	assumptions													
New sales ('00	•	7.0	6.1	5.8	4.2	5.2	4.6	4.3	3.1	54.0	23.0	17.2	14.6	13.2
ARPU ('000 KR		1,230.7	1,040.3	1,176.7	1,334.4	1,267.6	1,071.5	1,212.0	1,374.4	996.9	1,185.6	1,221.2		1,295.5
Obsolescence I	loss (cons.)	1 / 1	10 7	117	11.0	127	177	171	122	EZ 17	E Z 1	E 2 7	EJO	EAA
(KRWbn)		14.1	12.7	14.5	11.9	13.7	13.3	13.1	12.2	53.7	53.1	52.3	52.8	54.4

Note: "Churn" and "expiries" are based on KB Securities estimates

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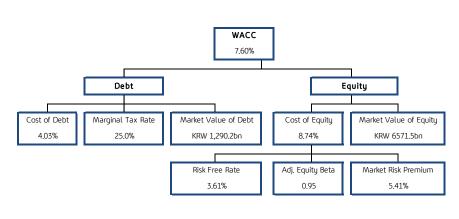
Table 5. Target Price Calculation: Discounted Cash Flow Model

(KRWbn)		2022P	2023E	2024E	2025E	2026E	2027E	2028E	2029E
Cash flow estimates									
OP	a	677.4	739.7	792.8	845.8	849.2	878.9	879.4	905.8
Effective tax rate (%)	b	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
NOPLAT	C=a*(1-b)	508.0	554.8	594.6	634.3	636.9	659.2	659.5	679.3
D&A	d	482.9	419.1	384.1	378.6	367.0	352.2	338.0	324.4
Total cash flow	E=C+d	990.9	973.8	978.7	1,012.9	1,003.9	1,011.4	997.5	1,003.7
Total investment	F=g+h	-977.4	-443.7	-452.8	-510,3	-650.0	-650.0	-650.0	-650.0
Change in working capital	9	-707.7	-143.7	-152.8	-160.3	-300.0	-300.0	-300.0	-300.0
Capex	h	-269.7	-300.0	-300.0	-350.0	-350.0	-350.0	-350.0	-350.0
FCFF	I=E+F	13.6	530.2	525.9	502.6	353.9	361.4	347.5	353.7
PV of cash flows									
Discount rate				6.0%	14.1%	22.8%	32.1%	42.1%	
PV of FCFF				394.0	440.5	288.2	273.6	244.5	
Total PV of FCFF (2024E-28E)	j		1,640.8						
Terminal growth rate (%)			1.50%		30y KTB yield				
Terminal value (2029E)			5,798.3		2029E FCFF / ((WACC - TGR)			
PV of terminal value	k		4,079.3		7.60% WACC (3.61% risk-fre	e rate; 5.41%	market risk pre	emium)
Valuation									
Total cash flow (PV)	L=j+k	••••	5,720.1					••••	***************************************
Net cash	m		53.0		12m fwd				
Investments in non-consolidated affiliates	n		33.0		End-4Q22				
Non-controlling interests	0		-1.8		End-4Q22				
Fair value	P=L+(m+n+o)		5,807.9						
No. of shares ('000)	q		72,564						
Target price (KRW)	R=P/q		80,000						
Current price (KRW)			48,900		Mar 16, 2023				
Upside (%)			63.6						
12m fwd implied P/E (x)			10.9						
12m fwd implied P/B (x)			2.08						

(1) Cost of debt is 4.03% (YTD return of Coway's 1y KRW-based bonds); market value of debt based on total financial liabilities as of end-3Q22

- (2) Cost of equity derived using CAPM; risk–free rate is 1y monetary stabilization bond yield; equity beta is Coway's 52w adj. beta; market risk premium is difference between historical avg. total return of WMI500 and 1y market stabilization bonds
- (3) Shareholders' equity derived by multiplying total no. of outstanding shares by target price

Fig 1. WACC Calculation



Source(s): KB Securities estimates

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Table 6. WACC Revision

///D\\/ha_9/\		Previous	Revised	Notes
(KRWbn, %)		(Sep 7, 2022)	(Mar 16, 2023)	Notes
Cost of equity	A = B + C x D	9.62	8.74	
Risk-free rate	В	2.89	3.61	Avg. 1y MSB yield (last three months)
Adj. beta	С	0.94	0.95	52w adj. beta
Raw beta		0.58	0.41	
R^2		0.14	0.09	
Risk premium	D = E - F	7.16	5.41	
Market return	Е	10.61	8.72	2001-22 annual avg. WMI500 total return
Risk-free rate	F	3.45	3.32	2001–22 annual avg. 1y MSB total return
Cost of debt	G	4.01	4.03	YTD yield of KRW-based 1y bonds
Fair shareholder value (KRWbn)		6,571.5	5,807.9	Value of outstanding shares based on TP
Debt (KRWbn)		1,284.6	1,290.2	Total financial liabilities as of end-3Q22
Weight of equity	Н	80.0	80.0	
Weight of debt	1	20.0	20.0	
WACC	$J = (A \times H) + (G \times I)$	8.29	7.60	

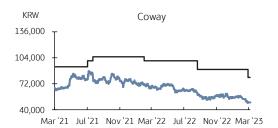
Table 7. Target Price Sensitivity to WACC & TGR

(KRW)		TGR							
		0.9%	1.1%	1.3%	1.5%	1.7%	1.9%	2.1%	
WACC	6.60%	87,285	89,573	92,034	94,687	97,558	100,672	104,064	
	6.80%	84,497	86,611	88,879	91,317	93,947	96,792	99,878	
	7.00%	81,892	83,849	85,944	88,191	90,608	93,214	96,034	
	7.20%	79,451	81,268	83,208	85,284	87,511	89,906	92,489	
	7.40%	77,159	78,849	80,650	82,573	84,630	86,838	89,211	
	7.60%	75,004	76,579	78,254	80,000	81,944	83,984	86,171	
	7.80%	72,974	74,444	76,005	77,665	79,433	81,322	83,343	
	8.00%	71,057	72,432	73,889	75,436	77,081	78,835	80,706	
	8.20%	69,244	70,533	71,896	73,340	74,873	76,504	78,242	
	8.40%	67,528	68,737	70,014	71,365	72,797	74,316	75,932	
	8.60%	65,901	67,037	68,235	69,500	70,839	72,258	73,765	

Source(s): Company data, KB Securities estimates

Income Statement	2024	20225	20275	20245	20255	Statement of Financial Position	2024	20225	20275	20245	202-
(KRWbn)	2021A	2022P	2023E	2024E	2025E	(KRWbn)	2021A	2022P	2023E	2024E	2025
(Reporting standard)	(IFRS-C)	(IFRS-C)	(IFRS-C)	(IFRS-C)	(IFRS-C)	(Reporting standard)	(IFRS-C)	(IFRS-C)	(IFRS-C)	(IFRS-C)	(IFRS-0
Revenue	3,664	3,856	4,118	4,377	4,666	Total assets	3,801	4,418	4,734	5,091	5,49
Cost of revenue	1,275	1,370	1,480	1,577	1,686	Current assets	1,106	1,414	1,834	2,260	2,67
Gross profit	2,389	2,486	2,638	2,800	2,980	Cash and cash equivalents	73	153	355	603	82
SG&A expenses	1,749	1,809	1,898	2,007	2,134	Current financial assets	510	663	796	875	96
Operating profit	640	677	740	793	846	Trade receivables	249	286	329	379	43
EBITDA	1,163	1,160	1,159	1,177	1,224	Inventory	235	270	311	357	41
Non-operating accounts	18	6	-11	-8	-5	Other current assets	39	41	43	46	4
Interest income	1	3	5	7	8	Non-current assets	2,694	3,004	2,900	2,830	2,81
Interest expenses	18	33	36	34	33	Investment assets	63	63	63	63	6
Profit on equity method	-5	-6	0	0	0	Property, plant and equipment	1,160	1,036	927	854	83
Net other non-operating income	40	42	20	20	20	Intangible assets	183	188	193	197	20
Profit before tax	659	683	728	785	841	Other non-current assets	1,288	1,716	1,716	1,716	1,71
Income tax expense	193	226	204	220	235	Total liabilities	1,896	2,103	1,989	1,882	1,78
Net profit	465	458	525	565	606	Current liabilities	1,293	1,176	1,082	994	91
NP attributable to controlling interests	466	458	525	566	606	Trade payables	88	91	105	115	12'
Adj. net profit	466	458	525	566	606	Short-term financial liabilities	388	366	330	297	26
						Other current liabilities	817	719	647	583	52
Operating Statistics & Ratios						Non-current liabilities	603	926	907	888	86
(%)	2021A	2022P	2023E	2024E	2025E	Non-current financial liabilities	496	866	846	826	80
Revenue growth	13.2	5.2	6.8	6,3	6.6	Other non-current liabilities	107	60	61	61	6
OP growth	5.6	5.8	9.2	7.2	6.7	Total equity	1,904	2,315	2,745	3,209	3,70
EBITDA growth	1.1	-0.2	-0.1	1.6	4.0	Issued capital	41	41	41	41	4
NP growth of parent	15.0	-1.6	14.6	7.7	7.2	Share premium	148	148	148	148	14
GP margin	65.2	64.5	64.1	64.0	63.9	Other equity interest	-48	-48	-48	-48	-4
OP margin	17.5	17.6	18.0	18.1	18.1	Accumulated other comprehensive income	8	58	58	58	5
EBITDA margin	31.7	30.1	28.1	26.9	26.2	Retained earnings	1,757	2,118	2,549	3,013	3,51
EBT margin	18.0	17.7	17.7	17.9	18.0	Controlling interests	1,906	2,317	2,747	3,212	3,71
NP margin of parent	12.7	11.9	12.8	12.9	13.0	Non-controlling interests	-1	-2	-2	-3	
Statement of Cash Flows						Key Ratios					
(KRWbn)	2021A	2022P	2023E	2024E	2025E	(x, %, KRW)	2021A	2022P	2023E	2024E	2025
Cash flow from operating activities	331	178	800	796	824	Multiples					
Net profit	465	458	525	565	606	P/E	11.8	9.0	6.9	6.4	6.0
Depreciation & amortization	523	483	419	384	379	P/B	2.9	1.8	1.3	1.1	1.0
Other non-cash adjustments	340	245	204	220	235	P/S	1.5	1.1	0.9	8.0	0.8
Investments in working capital	-829	-708	-144	-153	-160	EV/EBITDA	5.0	3.9	3.1	2.8	2.4
Decrease(Increase) in receivables	109	59	-43	-49	-57	EV/EBIT	9.0	6.7	4.9	4.1	3.
Decrease(Increase) in inventory	-91	-8	-41	-47	-54	Dividend yield, ordinary (%)	1.7	2.3	2.9	3.0	3.
Increase(Decrease) in payables	-30	-96	14	10	12	EPS	6,310	6,208	7,114	7,665	8,21
Investments in other working capital	-818	-663	-74	-67	-61	BVPS	25,825	31,393	37,229	43,517	50,30
Other operating cash flow	-168	-300	-204	-220	-235	SPS	49,651	52,251	55,794	59,309	63,22
Cash flow from investing activities	-368	-254	-448	-395	-453	DPS (annual, ordinary)	1,250	1,300	1,400	1,450	1,50
Capital expenditure	-275	-269	-300	-300	-350	Cash dividends payout ratio (%)	19.5	20,6	19,4	18,6	18.
Investments in intangibles	-10	-16	-15	-15	-15	Operating performance					
Changes in investment assets	-53	-6	0	0	0	ROE	27.4	21.7	20.7	19.0	17.
			477		00	ROA	13.6	11.1	11.5	11.5	11.
Other investment cash flow	-29	37	-133	-80	-88						17
Other investment cash flow Cash flow from financing activities	-29 -9	37 149	-150	-80 -154	-88 -154	ROIC	17.3	13.8	14.3	13.8	13.
			-150 -57	-154 -53	-154 -50	ROIC Financial structure (%)	17.3				
Cash flow from financing activities	-9	149	-150	-154	-154		17.3 99.6				
Cash flow from financing activities Proceeds from (repayment of) debt	-9 95	149 285	-150 -57	-154 -53	-154 -50	Financial structure (%)		13,8	14.3	13.8	48.
Cash flow from financing activities Proceeds from (repayment of) debt Changes in equity	-9 95 0	149 285 0	-150 -57 0	-154 -53 0	-154 -50 0	Financial structure (%) Total liab./equity	99.6	13.8 90.8	14.3 72.4	13.8 58.7	48. Net Cas
Cash flow from financing activities Proceeds from (repayment of) debt Changes in equity Dividends paid	-9 95 0 -87	149 285 0 -91	-150 -57 0 -94	-154 -53 0 -102	-154 -50 0 -105	Financial structure (%) Total liab./equity Net debt/equity	99.6 15.8	90.8 18.0	72.4 0.9	13.8 58.7 Net Cash	48. Net Cas
Cash flow from financing activities Proceeds from (repayment of) debt Changes in equity Dividends paid Other financing cash flow	-9 95 0 -87 -16	149 285 0 -91 -46	-150 -57 0 -94	-154 -53 0 -102	-154 -50 0 -105	Financial structure (%) Total liab./equity Net debt/equity Current ratio	99.6 15.8 0.9	90.8 18.0 1.2	72.4 0.9 1.7	13.8 58.7 Net Cash 2.3	48. Net Cas
Cash flow from financing activities Proceeds from (repayment of) debt Changes in equity Dividends paid Other financing cash flow Other cash flow	-9 95 0 -87 -16 2	149 285 0 -91 -46	-150 -57 0 -94 1	-154 -53 0 -102 1	-154 -50 0 -105 1	Financial structure (%) Total liab./equity Net debt/equity Current ratio Interest coverage (x)	99.6 15.8 0.9	90.8 18.0 1.2	72.4 0.9 1.7	13.8 58.7 Net Cash 2.3	48. Net Cas 2. 25.
Cash flow from financing activities Proceeds from (repayment of) debt Changes in equity Dividends paid Other financing cash flow Other cash flow Increase/decrease in cash	-9 95 0 -87 -16 2	149 285 0 -91 -46 7 80	-150 -57 0 -94 1 0	-154 -53 0 -102 1 0 248	-154 -50 0 -105 1 0 217	Financial structure (%) Total liab./equity Net debt/equity Current ratio Interest coverage (x) Activity ratios	99.6 15.8 0.9 35.8	90.8 18.0 1.2 20.5	72.4 0.9 1.7 20.5	58.7 Net Cash 2.3 23.0	48. Net Cas 2. 25.
Cash flow from financing activities Proceeds from (repayment of) debt Changes in equity Dividends paid Other financing cash flow Other cash flow Increase/decrease in cash Cash and cash equivalents at FYE	-9 95 0 -87 -16 2 -43	149 285 0 -91 -46 7 80	-150 -57 0 -94 1 0 202 355	-154 -53 0 -102 1 0 248 603	-154 -50 0 -105 1 0 217	Financial structure (%) Total liab./equity Net debt/equity Current ratio Interest coverage (x) Activity ratios Asset turnover (x)	99.6 15.8 0.9 35.8	90.8 18.0 1.2 20.5	72.4 0.9 1.7 20.5	58.7 Net Cash 2.3 23.0	48. Net Cas 2. 25.

Rating & Target Price Changes (Share price —, Target price —)



Coway (0212 Date	Rating	Analyst	TP	Differential ((%)
			(KRW)	Avg.	Max/Min
Feb-22-2021	Buy	Shinay Park	93,000	-21,99	
Jul-19-2021	Buy	Shinay Park	100,000	-15.09	-12,40
Aug-09-2021	Buy	Shinay Park	105,000	-27,81	-19.71
Feb-17-2022	Buy	Shinay Park	100,000	-33.47	-27.50
Sep-07-2022	Buy	Shinay Park	90,000	-38,36	-33.78
Mar-16-2023	Buy	Shinay Park	80,000		

Classification of Investment Ratings

Stock Ratings (based on expected 12m performance)

Buy: +15% or beyond Hold: Between 15% and -15% Sell: -15% or beyond Note: Classification revised from four ratings (Strong BUY, BUY, Marketperform, Underperform) to three (Buy, Hold, Sell) as of Feb 23, 2017; Basis for ratings revised from expected 6m return to expected 12m return as of Feb 10, 2020

Ratings Distribution (as of December 31, 2022)						
Buy	Hold	Sell				
86.7	13.3	-				

Note: Based on recommendations in the last 12 months

Sector Ratings (based on expected 12m performance)

Positive: Neutral: Negative:

To outperform market To perform in line with market To underperform market

Note: Classification revised from Overweight/Neutral/Underweight to Positive/Neutral/Negative as of Jun
28, 2017: Basis for ratings revised from expected 6m return to expected 12m return as of Feb 10, 2020

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