



June, 2021

PHU NHUAN JEWELRY JSC (HSX: PNJ)

Shifting Gear to Reaccelerating Growth

(VND bn)	Q1-FY21	Q4-FY20	+/- (qoq)	Q1-FY20	+/- (yoy)
Net revenue	7,182	5,843	22.9%	5,001	43.6%
PAT-MI	513	427	20.0%	408	25.6%
EBIT	669	565	18.5%	553	20.9%
EBIT margin	9.3%	9.7%	-34.7bps	11.1%	-175.3bps

Source: PNJ, Rong Viet Securities

4M-2021 – Robust retail sales momentum continued

- PNJ reported solid growth in revenue and net profit of 64% YoY and 88% YoY. Retail sales thrived ahead of our expectations, posting a 60% YoY growth, on the back of the lower base last year and improved market conditions (Vietnam's Q1-2021 gold jewelry consumption up 27% YoY, per WGC). In line with this market recovery, wholesale revenue up 56% YoY. Gold bar sales contributed the most to the revenue growth, surging 69% YoY.
- Days of inventory on hand cut to around 100 days from 2020 average of 175 days.
- Higher contribution from gold bar sales (GPM of ~1%) and a variety of discounts has driven blended GPM downward to 18.3% (-150 bps YoY).
- PNJ opened four Gold stores (net opened three), which seems slightly behind the full-year openings plan of 40-45 stores.

2021 Outlook – Picking up the growth pace

We expect that the continued recovery momentum and the low comparative base should give room for PNJ to post solid SSSG at least until Q3-2021. We, therefore, revise up our assumption for 2021 SSSG to 15% from 5% previously. Besides, we expect improving market conditions to provide comfort for PNJ to accelerate opening pace in lower tier cities during the coming quarters. As a result, we project that retail sales will reach VND13,394Bn (USD575Mn, +28% YoY). Meanwhile, gross margin will likely be maintained as we expect PNJ to offer many promotions going forward to capture a pick-up in demand while continuing to focus on enhancing the product mix to boost profit margin. Overall, we raise our forecast for 2021 revenue and NPAT by 18% and 6% to VND 22,694Bn (USD 978Mn, +29% YoY) and VND1,355Tn (USD58Mn, +27% YoY) from better retail performance.

Valuation and recommendation

Share price has risen by 27% YTD as the market partly priced in positive catalyst of extremely strong retail sales growth owing to solid demand recovery and low-base effect. We believe this effect will continue to benefit PNJ over the coming months, allowing the company to deliver high double-digit growth. While the high base from Sep 2020 onwards may cause a potential slowdown, we expect the private placement plan (6.6% of outstanding shares) to provide a decent support for the stock price. In the long-term, we maintain our positive stance on PNJ's capability to sustain market share gains and, thus, its long-term growth trajectory (NPAT's 3Y CAGR of 27%). We raise our target price to VND115,000 from VND100,00 previously, implying 2021F/22F P/E of 19.6x/15.7x, to reflect revised up forecasts. Based on total expected return of **16% as of June 4th, 2021**, we recommend **ACCUMULATING** the stock.

ACCUMULATE +16%

Target price (VND)	115,000
Current market price (VND)	100,600

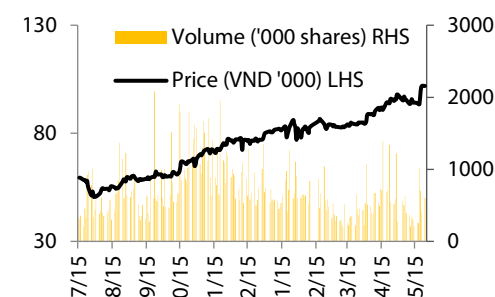
Cash dividend	2,000
---------------	-------

Stock Info

Sector	Retail-Jewelry
Market Cap (VND billion)	23,146
Current Shares O/S	227.4
Avg. Daily Volume (in 20 sessions)	501,875
Free float (%)	37.8
52 weeks High	101,900
52 weeks Low	50,617
Beta	1.10

	FY2020	Current
EPS	4,698	5,167
EPS Growth (%)	-11.1	-0.9
Diluted EPS	4,698	5,156
P/E	17.9	19.8
P/B	3.7	4.0
EV/EBITDA	13.0	14.2
Cash dividend yield (%)	2.4	2.0
ROE (%)	25.2	20.4

Price performance



Major Shareholders (%)

DC	10.3
VINA CAPITAL	7.0
CAO THI NGOC DUNG	5.0
Foreign ownership room (%)	0.0

Tung Do

(084) 028- 6299 2006 – Ext 1521

tung.dt@vdsc.com.vn

Exhibit 1: Q1-2021 Results

(VND Bn)	Q1-FY21	Q4-FY20	+/- (qoq)	Q1-FY20	+/- (yoy)
Net revenue	7,182	5,843	22.9%	5,001	43.6%
Gross profit	1,325	1,177	12.5%	1,050	26.3%
SG&A	350	277	26.5%	240	45.8%
Operating income	975	901	8.3%	810	20.5%
EBITDA	686	582	17.9%	571	20.2%
EBIT	669	565	18.5%	553	20.9%
Financial expenses	25	32	-20.2%	46	-44.3%
- Interest Expenses	23	29	-21.8%	40	-43.6%
Dep. and amortization	17	17	-0.8%	17	-1.9%
Non-recurring items (*)					
Extraordinary items (*)					
PBT	648	535	21.1%	512	26.7%
PAT	513	427	20.0%	408	25.6%
(*) Adjusted PAT	513	427	20.0%	408	25.6%

Source: PNJ, Rong Viet Securities

Exhibit 2: Q1-2021 Performance Analysis

Particulars	Q1-FY21	Q4-FY20	+/- (qoq)	Q1-FY20	+/- (yoy)
Profitability Ratios (%)					
Gross Margin	18.5%	20.2%	-170bps	21.0%	-254bps
EBITDA Margin	9.6%	10.0%	-40bps	11.4%	-186bps
EBIT Margin	9.3%	9.7%	-35bps	11.1%	-175bps
Net Margin	7.1%	7.3%	-18bps	8.2%	-103bps
Adjusted Net Margin	7.1%	7.3%	-18bps	8.2%	-103bps
Turnover*(x)					
-Inventories	4	3	0.7	2	1.3
-Receivables	260.2	185.0	75.3	144.1	116.1
-Payables	19	18	1.1	14	4.9
Leverage (%)					
Total Liabilities/Equity	41.3%	61.7%	-20.4 pps	68.1%	-26.9 pps

Source: Rong Viet Securities, * Annualized

Exhibit 3: Q2-2021 Performance Forecast

Particulars (VND Bn)	Q2-FY21	+/- qoq	+/- yoy	Comments
Revenue	3,511	-51%	28%	We expect PNJ gold stores to post a SSSG of 15% due to last year's low base, leading to gold jewelry retail sales of VND1.9Tn, despite the low season for jewelry sales. Wholesale and gold bar sales are projected to increase by 36% YoY and 32% YoY respectively.
Gross profit	721	-46%	52%	GPM is expected to improve to 20.5% (+300 bps QoQ) mainly due to less discount offerings in the low season and smaller gold bar contribution.
EBIT	293	-56%	233%	Projected EBIT margin stands at 8.3%, -100 bps QoQ since Q2 is the quarter of low margin.
NPAT	206	-60%	551%	We arrive at a projected net margin of 5.9%. Last year's low-base still provides a profound effect on this quarter's earnings growth rate.

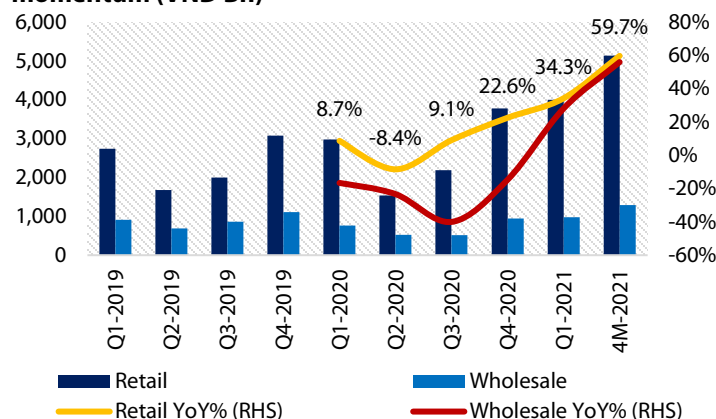
Source: Rong Viet Securities

Update

Year-to-date results are solid as market demand improved. 4M-2021 revenue reached VND9.0Tn (or USD389Mn, +64% YoY) while NPAT nearly doubled to VND598Bn (or USD26Mn). These upbeat results were primarily supported by considerably strong retail sales. 4M-2021 retail sales extended their soaring growth streak since Q3-2020, posting a growth rate of 60% YoY. We attribute the robust retail sales growth to the low comparative base in 2020 when the pandemic started to take its toll on PNJ's operations and, more importantly, improved market demand coupled with tailored marketing messages and customer positioning. As a result of this outstanding sales performance, days of inventory on hand figure has significantly improved (Figure 2).

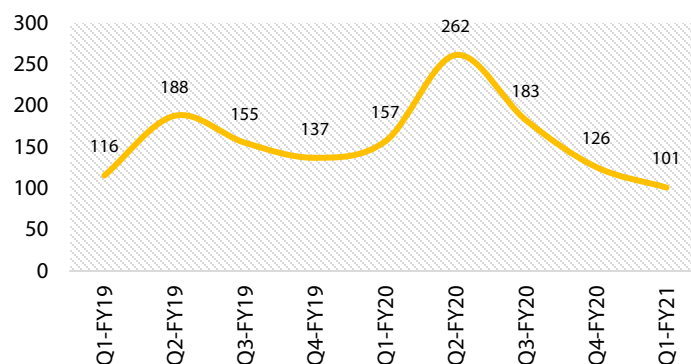
Vietnam gold jewelry consumption has surpassed pre-covid level in Q1-2021, as data points from WGC show in Figure 3. We believe this surging demand was largely driven by better macro-economic factors and discretionary spending diverted from leisure travel, dining at restaurants or entertainment since either those activities were partly hindered by measures to contain covid spread or consumers are more cautious about public spaces. Furthermore, we believe that jewelry demand should continue its recovery in the near-term as hinted by gemstones and precious metals imports surging in recent months. Data from Vietnam Customs showed that imports of those products from January through the first half of May 2021 reached USD344Mn, a 65% YoY increase and a 44% hike over the same period in 2019, with March and April imports posted the highest ever value, averaging USD92Mn.

Figure 1: Retail sales and wholesale segment is gaining momentum (VND Bn)



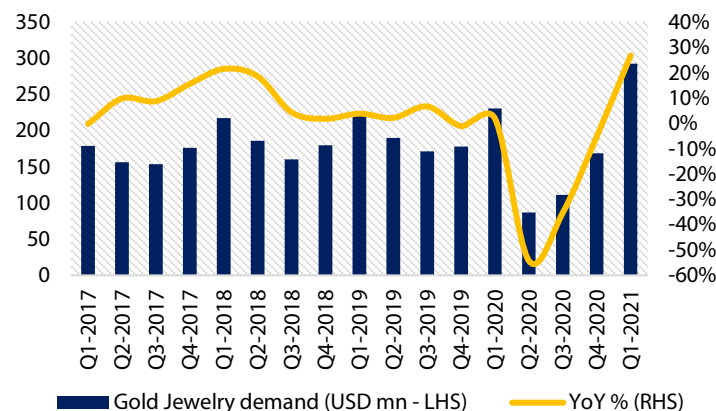
Source: PNJ, Rong Viet Securities

Figure 2: Improved days of inventory on hand



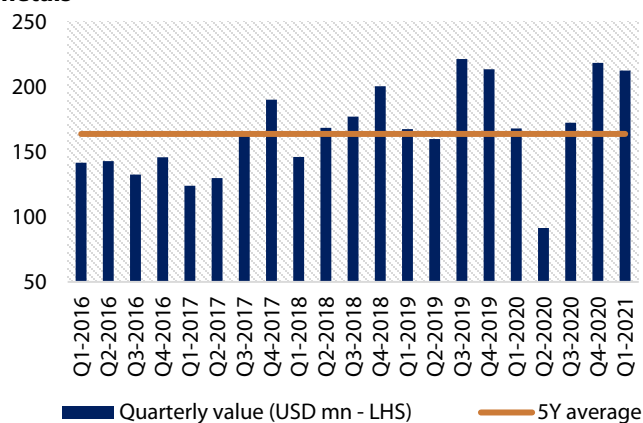
Source: PNJ, Rong Viet Securities

Figure 3: Quarterly gold jewelry consumption in Vietnam



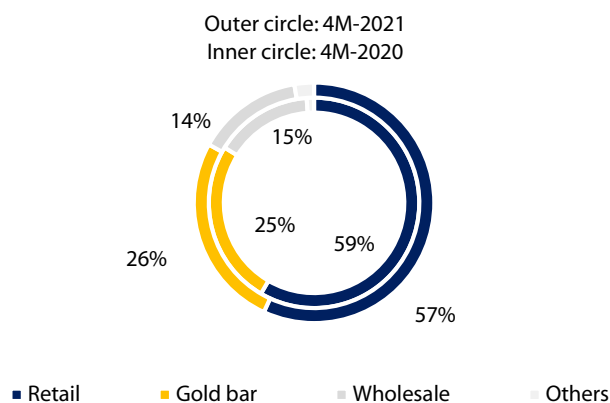
Source: WGC, Rong Viet Securities

Figure 4: Vietnam's import value of gemstones and precious metals

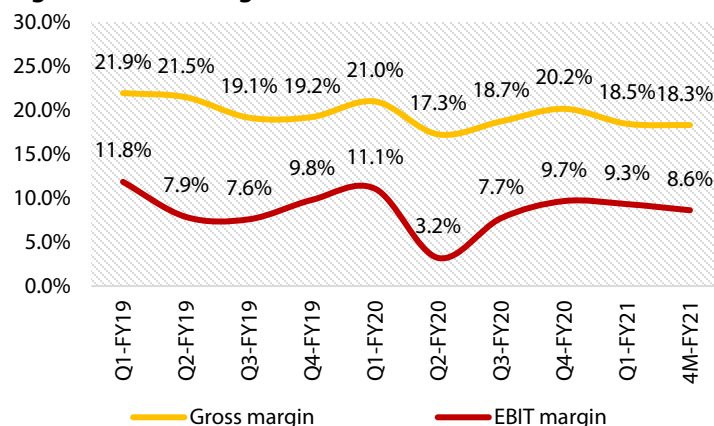


Source: Vietnam Custom, Rong Viet Securities

To capture this improved market condition, PNJ has proactively offered a variety of discounts and promotions to reignite demand and lure customers in the recent holiday season. Coupled with higher shares of gold bar sales in the product mix, 4M-2021 GPM contracted by 150bps YoY.

Figure 5: Sales channel mix


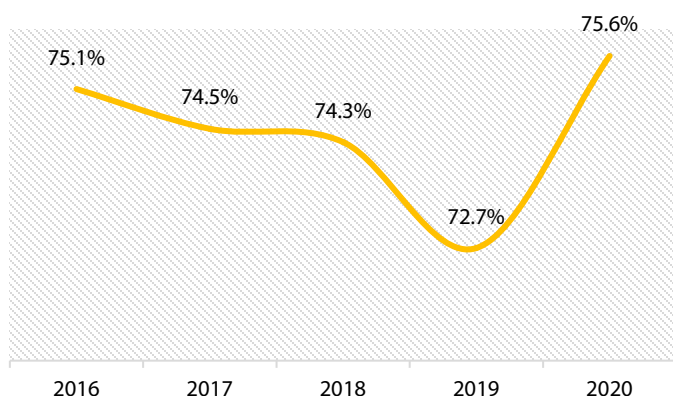
Source: PNJ, Rong Viet Securities

Figure 6: Profit margins


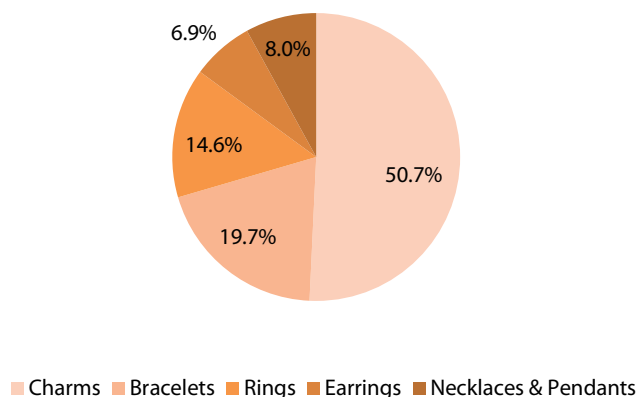
Source: PNJ, Rong Viet Securities

Cooperation with Pandora shows PNJ's orientation on expanding products offering in the affordable yet high-margin jewelry segment. Accordingly, PNJ will officially distribute Pandora's charm and bracelet products at three of its flagship stores under franchise model by the end of May 2021. PNJ aims to open 12-15 Pandora shop-in-shop points of sales this year, besides Pandora's current eight third party stores. As Pandora is well known by its iconic customized collectible charm bracelets products targeting young buyers with affordable segment positioning (most of their products are priced under USD100), which is in line with 'Style by PNJ' brand's proposition. We believe this step indicates PNJ's further looking to extend younger as well as affluent consumer at attractive price points.

Despite the reasonable price range, Pandora's products are highly profitable with GPM ranging around 73%-76%, which is a tad higher than our estimated GPM for PNJ's silver product line of around 70%. By providing more SKU choice in that segment with upcoming ramp up of 'Style by PNJ' (15-20 outlets for 2021F) and Pandora shop-in-shop sale points, PNJ's product mix would become more favorable and provide some cushion to retail GPM by compensating for pressure from tactical promotions that are expected to be widely offered going forward.

Figure 7: Pandora's profit margins


Source: Pandora, Rong Viet Securities

Figure 8: Pandora's 2020 revenue by products


Source: Pandora, Rong Viet Securities

2021 Forecast

Table 1: 2021F Forecast revision

Unit: VND bn	2020	2021F Old	2021F New	% change	YoY %	Comments
Total revenue	17,542	19,276	22,694	18%	29%	
1. Retail revenue	10,474	11,827	13,394	13%	28%	We revise up our assumption on SSSG from 5% to 15% due to better-than-expected performance of the retail segment recently. Net store opening in 2021 is estimated at 28 (40 new gold stores opening and 12 closures)
2. Wholesale revenue	2,752	2,618	3,577	37%	30%	We raise wholesale revenue forecast after taking into account solid market demand improvement in Q1-2021.
3. Gold bar	3,899	4,602	5,263	14%	35%	
Gross profit	3,435	3,817	4,437	16%	29%	
SG&A expenses	1,926	2,043	2,622	28%	36%	
EBIT	1,509	1,774	1,815	2%	20%	
NPAT-MI	1,069	1,278	1,355	6%	27%	
EPS (VND)	4,627	5,532	5,866	6%	27%	
Profit margins						
GPM	19.6%	19.8%	19.6%	-25 bps	-3 bps	We project GPM to remain relatively unchanged as we believe that the product mix enhancement and dense discounting offers should even out.
SG&A/Sales	11.0%	10.6%	11.6%	95 bps	57 bps	We believe that PNJ will roll out significant promotion and marketing campaigns in 2021 to cement brand traction and reposition its branding among younger customers.
EBIT margin	8.6%	9.2%	8.0%	-121 bps	-60 bps	
Net margin	6.1%	6.6%	6.0%	-63 bps	-13 bps	While EBIT margin is projected to decrease due to higher selling expenses, we estimate its net margin to be flat owing to a 37% decline in interest expenses to VND115Bn, a result of better cash flow.

Source: Rong Viet Securities

Valuation

Our one-year target price of VND115,100 is based on a 20x forward P/E and FCFE methodology (cost of equity 11.5%, terminal growth 3.2%). We believe the target P/E multiple, which is a 25% premium to the average during 2017-20 is justified, as we expect PNJ to deliver strong 3Y CAGR in NPAT over 2021F-24F of 27% (vs a 3Y CAGR of 14% during 2017-20).

Table 2: Valuation summary

Methodology	Weights	Price (VND)
5Y FCFE (CE 11.5%, terminal growth 3.2%)	50%	112,700
P/E @ 20x 2021 EPS of VND 5,866	50%	117,300
Target price		115,000
Implied 2021F P/E		19.6x
Implied 2022F P/E		15.7x

Source: Rong Viet Securities

Table 3: FCFE projection

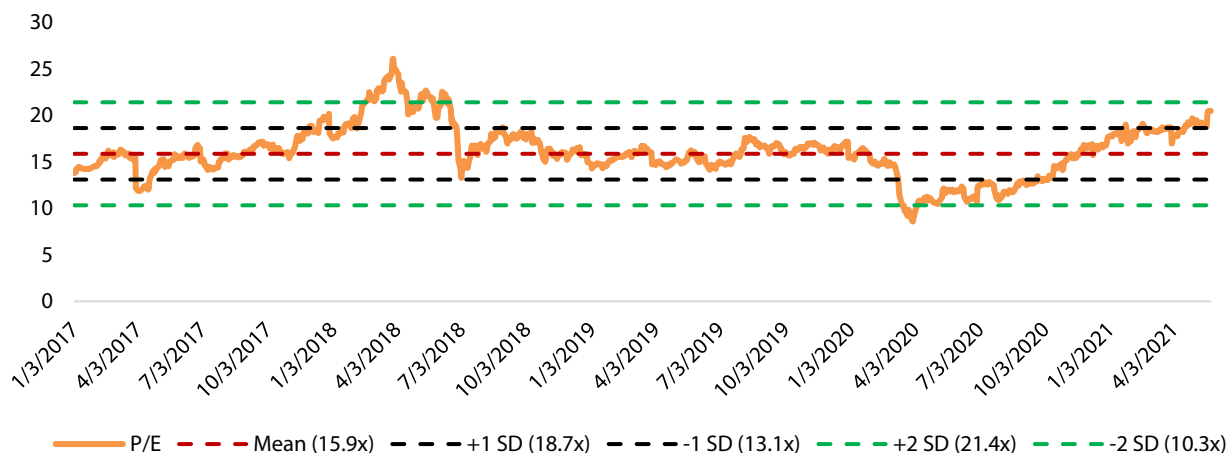
Unit: VND Bn	2021F	2022F	2023F	2024F	2025F
Net income	1,355	1,721	2,290	2,802	3,293
+ Depreciation	81	94	107	121	136
- Changes in working capital	140	1	500	819	726
- CAPEX	213	160	171	183	196
+ Net borrowings	170	(241)	(477)	(358)	116
FCFE	1,251	1,412	1,244	1,556	2,608

Source: Rong Viet Securities

Table 4: DCF Summary

Unit: VND Bn			
Risk-free rate	2.3%	PV of cumulative FCFE	6,449
Equity risk premium	9.2%	PV of Terminal Value	19,585
Adjusted Beta	1.0	Equity Value	26,034
Cost of Equity	11.5%	Number of outstanding shares (million)	231.0
Terminal growth	3.2%	Target price (VND)	112,700

Source: Rong Viet Securities

Figure 7: PNJ's historical P/E


Source: Bloomberg, Rong Viet Securities

Table 3: Industry peers

Company	Country	Market cap (USD mn)	2020 Sales (USD mn)	2020 Sales Growth (%)	2020 PAT (USD mn)	2020 NPAT Growth (%)	2020 GPM (%)	2020 Net margin (%)	2020 ROE (%)	P/B Trailing (x)	P/E Trailing (x)	P/E Forward (x)
PNJ	VN	994.0	753.7	14.4	46.0	0.0	19.6	5.1	21.0	4.0	20.3	17.5
Chow Tai Fook	HK	18,010.1	7,260.4	-22.0	382.7	-14.8	28.4	5.3	13.2	5.0	38.9	27.4
Luk Fook Holdings	HK	1,607.3	1,437.2	-42.2	91.0	-78.7	29.6	6.3	3.0	1.2	18.8	15.0
Chow Sang Sang	HK	1,179.9	1,938.1	-15.2	134.4	25.2	27.6	6.9	9.2	0.8	16.8	9.1
Lao Feng Xiang	CH	3,568.5	7,503.8	10.8	231.6	17.2	8.2	3.1	20.6	1.2	5.5	5.6
Chow Tai Seng	CH	3,265.9	737.6	10.8	144.8	27.7	41.0	19.6	21.6	3.7	17.9	16.3
Guangdong Chj	CH	771.6	466.5	16.3	19.8	116.7	35.8	4.2	7.6	1.4	18.0	18.8
Leysen Jewelry	CH	471.7	178.1	33.7	15.1	138.5	58.3	8.5	6.6	1.3	19.5	n.a
Pandora A/S	DE	13,104.5	2,911.6	-8.9	405.2	-22.5	76.5	13.9	52.9	10.0	30.3	19.8
Titan Co Ltd	IN	19,443.6	2,706.3	-3.3	131.1	-34.2	n.a	4.8	13.7	18.9	145.4	72.2
Rajesh Exports Ltd	IN	2,125.6	27,598.2	11.3	170.1	-6.8	n.a	0.6	12.4	1.5	12.8	n.a
Vaibhav Global Ltd	IN	1,858.0	342.2	27.9	36.6	43.6	n.a	10.7	31.7	14.0	49.5	n.a
Median		1,991.8	1,687.7	10.8	132.8	8.6	29.6	6.0	13.5	2.6	19.2	17.5
Average		5,533.4	4,486.1	2.8	150.7	17.7	36.1	7.5	17.8	5.2	32.8	22.4

Source: Bloomberg, as of May 26th, 2021

	VND Billion			
INCOME STATEMENT	FY2019	FY2020	FY2021F	FY2022F
Revenue	17,001	17,511	22,654	26,454
COGS	13,540	14,076	18,225	21,171
Gross profit	3,461	3,435	4,429	5,282
Selling Expense	1,363	1,421	1,963	2,240
G&A Expense	479	506	659	779
Finance Income	2	3	2	2
Finance Expense	119	162	115	113
Other profits	0	-3	0	0
PBT	1,503	1,346	1,694	2,152
Prov. of Tax	312	277	339	430
Minority's Interest	0	0	0	0
PAT to Equity S/H	1,191	1,069	1,355	1,721
EBIT	1,619	1,508	1,807	2,263
EBITDA	1,675	1,578	1,888	2,357

	%			
FINANCIAL RATIO	FY2019	FY2020	FY2021F	FY2022F
Growth (%)				
Revenue	16.7	3.0	29.4	16.8
Operating Income	28.4	-5.8	19.6	24.8
EBITDA	28.2	-6.8	19.8	25.2
PAT	24.0	-10.2	26.7	27.0
Total Assets	33.6	-1.4	2.3	12.9
Equity	27.9	17.9	18.8	22.2
Profitability (%)				
Gross margin	20.4	19.6	19.6	20.0
EBITDA margin	9.9	9.0	8.3	8.9
EBIT margin	9.5	8.6	8.0	8.6
Net margin	7.0	6.1	6.0	6.5
ROA	13.8	12.6	15.6	17.6
ROE	33.0	25.2	26.8	27.9
Efficiency				(times)
Receivable Turnover	122.7	174.5	182.5	182.5
Inventory Turnover	1.9	2.2	2.6	3.0
Payable Turnover	10.3	11.0	12.2	12.2
Liquidity				(times)
Current	1.9	2.3	2.0	2.3
Quick	0.1	0.2	0.1	0.3
Finance Structure (%)				
Total Debt/Equity	72.5	43.3	39.8	28.7
Current Debt/Equity	72.4	43.3	39.8	28.7
Long-term Debt/Equity	0.1	0.0	0.0	0.0

	VND Billion			
BALANCE SHEET	FY2019	FY2020	FY2021F	FY2022F
Cash and cash equivalents	95	422	-4	737
Short-term investments	0	0	0	0
Accounts receivable	139	100	124	145
Inventories	7,019	6,545	6,882	7,104
Other current assets	78	77	99	117
Property, plant & equipment	292	314	459	538
Acquired intangible assets	660	650	637	591
Long-term investments	0	0	0	0
Other non-current assets	317	375	483	572
Total assets	8,600	8,483	8,681	9,805
Accounts payable	1,317	1,277	1,498	1,740
Short-term borrowings	2,611	1,839	2,009	1,768
Long-term borrowings	4	0	0	0
Other non-current liabilities	4	9	9	9
Bonus and Welfare fund	91	116	116	116
Technology-science, dev. fund	0	0	0	0
Total liabilities	4,026	3,242	3,632	3,633
Common stock and APIC	2,253	2,276	2,310	2,345
Treasury stock (enter as -)	-2	-3	-3	-3
Retained earnings	1,042	1,605	2,370	3,457
Other comprehensive income	0	0	0	0
Inv. and Dev. Fund	313	373	373	373
Total equity	3,606	4,251	5,049	6,171
Minority Interest	0	0	0	0

VALUATION RATIO (*)	FY2019	FY2020	FY2021F	FY2022F
EPS (VND)	5,285	4,698	5,866	7,341
P/E (x)	15.9	17.9	17.4	13.9
BV (dong)	16,006	18,675	21,855	26,317
P/B (x)	4.1	3.7	4.7	3.9
DPS (dong/cp)	1,800	2,000	2,000	2,000
Dividend yield (%)	2.1%	2.4%	2.0%	2.0%

VALUATION MODEL	Price	Weight	Average
FCFE	112,700	50%	56,350
P/E	117,300	50%	58,650

Target price (VND) **115,000**

VALUATION HISTORY	Price	Recommendation	Period
2021 April 22 nd	100,000	Accumulate	Long-term
2020 Dec 29 th	94,000	Buy	Long-term
2020 Nov 17 th	77,000	Accumulate	Long-term

RESULT UPDATE

This report is created for the purpose of providing investors with an insight into the discussed company that may assist them in the decision-making process. The report comprises analyses and projections that are based on the most up-to-date information with the objective that is to determine the reasonable value of the stock at the time such analyses are performed. Through this report, we strive to convey the complete assessment and opinions of the analyst relevant to the discussed company. To send us feedbacks and/or receive more information, investors may contact the assigned analyst or our client support department.

RATING GUIDANCE

Ratings	BUY	ACCUMULATE	REDUCE	SELL
Total Return including Dividends in 12-month horizon	>20%	5% to 20%	-20% to -5%	<-20%

ABOUT US

RongViet Securities Corporation (RongViet) was established in 2007, licensed to perform the complete range of securities services including brokerage, financial investment, underwriting, financial and investment advisory and securities depository. RongViet now has an operating network that spreads across the country. Our major shareholders, also our strategic partners, are reputable institutions, i.e Eximbank, Viet Dragon Fund Management, etc... Along with a team of the professional and dynamic staffs, RongViet has the man power as well as the financial capacity to bring our clients the most suitable and efficient products and services. Especially, RongViet was one of the very first securities firms to pay the adequate attention to the development of a team of analysts and the provision of useful research report to investors.

The **Analysis and Investment Advisory Department** of RongViet Securities provides research reports on the macro-economy, securities market and investment strategy along with industry and company reports and daily and weekly market reviews.

ANALYSIS & INVESTMENT ADVISORY DEPARTMENT

Lam Nguyen

Head of Research

lam.ntp@vdsc.com.vn
+ 84 28 6299 2006 (1313)

Vu Tran

Senior Manager

vu.thx@vdsc.com.vn
+ 84 28 6299 2006 (1512)

- O&G
- Fertilizer
- Market Strategy

Tam Pham

Manager

tam.ptt@vdsc.com.vn
+ 84 28 6299 2006 (1530)

- Bank
- Insurance

Tung Do

Manager

tung.dt@vdsc.com.vn
+ 84 28 6299 2006 (1521)

- Retails
- Aviation
- Logistics
- Market Strategy

Toan Dao

Manager

toan.dp@vdsc.com.vn
+ 84 28 6299 2006 (1518)

- F&B

Tu Pham

Analyst

tu.pm@vdsc.com.vn
+ 84 28 6299 2006 (1536)

- Building Materials
- Pharmaceutical

Thao Nguyen

Analyst

thao.nn@vdsc.com.vn
+ 84 28 6299 2006 (1524)

- Utilities

Kiet Tran

Analyst

kiet.tht@vdsc.com.vn
+ 84 28 6299 2006 (1528)

- Real Estate
- Market Strategy

Thanh Nguyen

Analyst

thanh.nn@vdsc.com.vn
+ 84 28 6299 2006 (1535)

- Bank
- Insurance

Hoang Bui

Analyst

hoang.bh@vdsc.com.vn
+ 84 28 6299 2006 (1514)

- Automobile and spares
- Agriculture
- Industrial Park

Loan Nguyen

Analyst

loan.nh@vdsc.com.vn
+ 84 28 6299 2006 (1531)

- Textile
- Fishery

Ha My Tran

Senior Consultant

my.tth@vdsc.com.vn
+ 84 28 6299 2006

- Macroeconomics

Bernard Lapointe

Senior Consultant

bernard.lapointe@vdsc.com.vn
+ 84 28 6299 2006

Ha Tran

Assistant

ha.ttn@vdsc.com.vn
+ 84 28 6299 2006 (1526)

Trang Tran

Assistant

trang.tnt@vdsc.com.vn
+ 84 28 6299 2006 (1522)

DISCLAIMERS

This report is prepared in order to provide information and analysis to clients of Rong Viet Securities only. It is and should not be construed as an offer to sell or a solicitation of an offer to purchase any securities. No consideration has been given to the investment objectives, financial situation or particular needs of any specific. The readers should be aware that Rong Viet Securities may have a conflict of interest that can compromise the objectivity this research. This research is to be viewed by investors only as a source of reference when making investments. Investors are to take full responsibility of their own decisions. VDSC shall not be liable for any loss, damages, cost or expense incurring or arising from the use or reliance, either full or partial, of the information in this publication.

The opinions expressed in this research report reflect only the analyst's personal views of the subject securities or matters; and no part of the research analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or opinions expressed in the report.

The information herein is compiled by or arrived at Rong Viet Securities from sources believed to be reliable. We, however, do not guarantee its accuracy or completeness. Opinions, estimations and projections expressed in this report are deemed valid up to the date of publication of this report and can be subject to change without notice.

This research report is copyrighted by Rong Viet Securities. All rights reserved. Therefore, copy, reproduction, republish or redistribution by any person or party for any purpose is strictly prohibited without the written permission of VDSC. Copyright 2020 Viet Dragon Securities Corporation.

IMPORTANT DISCLOSURES FOR U.S. PERSONS

This research report was prepared by Viet Dragon Securities Corp. ("VDSC"), a company authorized to engage in securities activities in Vietnam. VDSC is not a registered broker-dealer in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to "major U.S. institutional investors" in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act").

Additional Disclosures

This research report is for distribution only under such circumstances as may be permitted by applicable law. This research report has no regard to the specific investment objectives, financial situation or particular needs of any specific recipient, even if sent only to a single recipient. This research report is not guaranteed to be a complete statement or summary of any securities, markets, reports or developments referred to in this research report. Neither VDSC nor any of its directors, officers, employees or agents shall have any liability, however arising, for any error, inaccuracy or incompleteness of fact or opinion in this research report or lack of care in this research report's preparation or publication, or any losses or damages which may arise from the use of this research report.

VDSC may rely on information barriers, such as "Chinese Walls" to control the flow of information within the areas, units, divisions, groups, or affiliates of VDSC. Investing in any non-U.S. securities or related financial instruments (including ADRs) discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the United States.

The value of any investment or income from any securities or related financial instruments discussed in this research report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments.

Past performance is not necessarily a guide to future performance and no representation or warranty, express or implied, is made by VDSC with respect to future performance. Income from investments may fluctuate. The price or value of the investments to which this research report relates, either directly or indirectly, may fall or rise against the interest of investors. Any recommendation or opinion contained in this research report may become outdated as a consequence of changes in the environment in which the issuer of the securities under analysis operates, in addition to changes in the estimates and forecasts, assumptions and valuation methodology used herein.

No part of the content of this research report may be copied, forwarded or duplicated in any form or by any means without the prior.

RESEARCH DISCLOSURES

Third Party Research

This is third party research. It was prepared by Rong Viet Securities Corporation (Rong Viet), with headquarters in Ho Chi Minh City, Vietnam. Rong Viet is authorized to engage in securities activities according to its domestic legislation. This research is not a product of Tellimer Markets, Inc., a U.S. registered broker-dealer. Rong Viet has sole control over the contents of this research report. Tellimer Markets, Inc. does not exercise any control over the contents of, or the views expressed in, research reports prepared by Rong Viet.

Rong Viet is not registered as a broker-dealer in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to "major U.S. institutional investors" and other "U.S. institutional investors" in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act").

Any U.S. recipient of this research report wishing to effect any transaction to buy or sell securities or related financial instruments based on the information provided in this research report should do so only through Tellimer Markets, Inc., located at 575 Fifth Avenue, 27th Floor, New York, NY 10017. A representative of Tellimer Markets, Inc. is contactable on +1 (212) 551 3480. Under no circumstances should any U.S. recipient of this research report effect any transaction to buy or sell securities or related financial instruments through Rong Viet. Tellimer Markets, Inc. accepts responsibility for the contents of this research report, subject to the terms set out below, to the extent that it is delivered to a U.S. person other than a major U.S. institutional investor.

None of the materials provided in this report may be used, reproduced, or transmitted, in any form or by any means, electronic or mechanical, including recording or the use of any information storage and retrieval system, without written permission from.

Rong Viet is the employer of the research analyst(s) responsible for the content of this report and research analysts preparing this report are resident outside the U.S. and are not associated persons of any U.S. regulated broker-dealer. The analyst whose name appears in this research report is not registered or qualified as a research analyst with the Financial Industry Regulatory Authority ("FINRA") and may not be an associated person of Tellimer Markets, Inc. and, therefore, may not be subject to applicable restrictions under FINRA Rules on communications with a subject company, public appearances and trading securities held by a research analyst account.

Tellimer Markets, Inc. or its affiliates has not managed or co-managed a public offering of securities for the subject company in the past 12 months, has not received compensation for investment banking services from the subject company in the past 12 months, and does not expect to receive or intend to seek compensation for investment banking services from the subject company in the next three months. Tellimer Markets, Inc. has never owned any class of equity securities of the subject company. There are no other actual, or potential, material conflicts of interest of Tellimer Markets, Inc. at the time of the publication of this report. As of the publication of this report, Tellimer Markets, Inc. does not make a market in the subject securities.

About Tellimer

Tellimer is a registered trade mark of Exotix Partners LLP. Exotix Partners LLP and its subsidiaries ("Tellimer") provide specialist investment banking services to trading professionals in the wholesale markets. Tellimer draws together liquidity and matches buyers and sellers so that deals can be executed by its customers. Tellimer may at any time, hold a trading position in the securities and financial instruments discussed in this report. Tellimer has procedures in place to identify and manage any potential conflicts of interests that arise in connection with its research. A copy of Tellimer's conflict of interest policy is available at www.tellimer.com/regulatory-information.

Distribution

This report is not intended for distribution to the public and may not be reproduced, redistributed or published, in whole or in part, for any purpose without the written permission of Tellimer. Tellimer shall accept no liability whatsoever for the actions of third parties in this respect. This report is for distribution only under such circumstances as may be permitted by applicable law.

This report may not be used to create any financial instruments or products or any indices. Neither Tellimer, nor its members, directors, representatives, or employees accept any liability for any direct or consequential loss or damage arising out of the use of all or any part of the information herein.

United Kingdom: Distributed by Exotix Partners LLP only to Eligible Counterparties or Professional Clients (as defined in the FCA Handbook). The information herein does not apply to, and should not be relied upon by, Retail Clients (as defined in the FCA Handbook); neither the FCA's protection rules nor compensation scheme may be applied.

UAE: Distributed in the Dubai International Financial Centre by Exotix Partners LLP (Dubai) which is regulated by the Dubai Financial Services Authority ("DFSA"). Material is intended only for persons who meet the criteria for Professional Clients under the Rules of the DFSA and no other person should act upon it.

Other distribution: The distribution of this report in other jurisdictions may be restricted by law and persons into whose possession this document comes should inform themselves about, and observe, any such restriction.

Disclaimers

Tellimer and/or its members, directors or employees may have interests, or long or short positions, and may at any time make purchases or sales as a principal or agent of the securities referred to herein. Tellimer may rely on information barriers, such as "Chinese Walls" to control the flow of information within the areas, units, divisions, groups of Tellimer.

Investing in any non-U.S. securities or related financial instruments (including ADRs) discussed in this report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the United States. The value of any investment or income from any securities or related financial instruments discussed in this report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments.

Frontier and Emerging Market laws and regulations governing investments in securities markets may not be sufficiently developed or may be subject to inconsistent or arbitrary interpretation or application. Frontier and Emerging Market securities are often not issued in physical form and registration of ownership may not be subject to a centralised system. Registration of ownership of certain types of securities may not be subject to standardised procedures and may even be effected on an ad hoc basis. The value of investments in Frontier and Emerging Market securities may also be affected by fluctuations in available currency rates and exchange control regulations. Not all of these or other risks associated with the relevant company, market or instrument which are the subject matter of the report are necessarily considered.