

Outlook for FY22–23 corporate earnings

Quarterly Update

6 September 2022

For inquiries:
Market Strategy Research Dept
Equity Research Dept
Nomura Securities Co., Ltd.

Contents

| | |
|----------------------------------------------------------------------|----|
| Summary and major assumptions..... | 3 |
| Contributions to recurring profit growth by sector..... | 5 |
| Revisions to recurring profit estimates (versus old estimates) | 7 |
| Revision index for the Russell/Nomura Large Cap Index..... | 9 |
| Reference | |
| Russell/Nomura Large Cap Index: earnings indicators | 10 |
| Recurring profits by sector | 12 |
| Percentage change in quarterly sales and profits | 13 |
| Valuation indicators | 14 |
| What are the Russell/Nomura Japan Equity Indexes? | 15 |

Summary and major assumptions

Overview of the corporate earnings outlook for FY22

Our analysts' forecasts put FY22 sales growth for Russell/Nomura Large Cap companies at 13.3% y-y, operating profit growth at 11.2%, recurring profit growth at 9.6%, and after-tax profit growth at 7.6% (sales and operating profit figures exclude financial companies here and below). Excluding SoftBank Group [9984], at which investment income has an outsized impact, our analysts forecast recurring profit growth for Russell/Nomura Large Cap companies at 7.2% and after-tax profit growth at 3.1%. The average forex assumption upon which these analyst forecasts are based is USD/JPY of 129.93 for FY22, up 17.59 from FY21. Based on the forex sensitivity figures estimated by our analysts (profit impact from every ¥1 change against the dollar), we estimate that FY22 recurring profit growth forecasts (excluding SoftBank Group) were pushed up 6.6ppt by the weaker yen. Excluding this forex impact, the underlying recurring profit growth forecast comes to +0.6% y-y.

The recurring profit forecast in our updated bottom-up forecasts for FY22 is 1.4% lower than the number in the compiled forecasts we presented in our previous survey on 1 June, and 0.2% higher when excluding SoftBank Group. Here too, though, changes to forex assumptions are pushing up FY22 recurring profit forecasts by 3.6%. When excluding the forex impact, these forecasts were revised down by 3.4%.

Overview of the corporate earnings outlook for FY23

Our analysts' forecasts put FY23 sales growth for Russell/Nomura Large Cap companies at 1.8% y-y, operating profit growth at 11.7%, recurring profit growth at 8.0%, and after-tax profit growth at 7.7%. Excluding SoftBank Group, our analysts forecast recurring profit growth for Russell/Nomura Large Cap companies at 6.6% and after-tax profit growth at 6.2%. FY23 recurring profit forecasts were revised down 0.8% from our previous compilation despite the benefits from reflecting a revision to our forex assumption from USD 120 to 130. Factors behind the downward revision include deterioration in the outlook for semiconductor-related products (in the electrical machinery & precision equipment sector) resulting from a slowdown in consumer demand for digital equipment, and a slowdown in the US housing market (affecting the chemicals sector) from a rise in interest rates. Compared with the revisions to FY22 forecasts, more FY23 forecast revisions cite declines in demand caused by economic deterioration.

Much of the recurring profit growth forecast for FY22 stems from the weaker yen, and when excluding the impact of changes to forex assumptions, our recurring profit forecasts were revised down for both FY22 and FY23. We think the underlying earnings outlook for Japanese corporations factoring out forex benefits is getting tougher.

Fig. 1: Overview of consolidated earnings forecasts for the Russell/Nomura Large Cap Index

| Items | Category | No. of cos | New | | | | | Old | |
|------------------------------|------------------------------------------|---------------|----------------|----------------|----------------|------------|------------|------------|------------|
| | | | FY19 Actual | FY20 Actual | FY21 Actual | FY22E E | FY23E E | FY21E E | FY22E E |
| Sales (% y-y) | Russell/Nomura Large Cap (ex financials) | 265 | -2.5 | -7.5 | 14.1 | 13.3 | 1.8 | 10.3 | 2.2 |
| | Manufacturing | 145 | -2.7 | -8.0 | 15.2 | 15.6 | 3.2 | 12.0 | 3.9 |
| | Basic materials | 29 | -2.0 | -12.1 | 28.8 | 23.4 | -0.9 | 19.6 | 0.5 |
| | Processing | 74 | -4.5 | -7.7 | 13.3 | 14.4 | 4.8 | 11.0 | 5.3 |
| | Nonmanufacturing (ex financials) | 120 | -2.3 | -6.8 | 12.8 | 10.4 | -0.1 | 8.2 | 0.1 |
| | Russell/Nomura Small Cap (ex financials) | 1,093 | 0.3 | -6.1 | 7.3 | 9.0 | 4.1 | 6.9 | 4.0 |
| Operating profits (% y-y) | Russell/Nomura Large Cap (ex financials) | 265 | -23.7 | -18.9 | 58.3 | 11.2 | 11.7 | 12.3 | 9.3 |
| | Manufacturing | 145 | -23.2 | -3.4 | 58.2 | 12.7 | 6.6 | 10.2 | 9.9 |
| | Basic materials | 29 | -48.7 | 13.7 | 148.5 | 1.0 | -6.4 | -5.2 | 5.2 |
| | Processing | 74 | -20.1 | -8.6 | 52.9 | 16.5 | 10.1 | 16.1 | 11.3 |
| | Nonmanufacturing (ex financials) | 120 | -24.3 | -36.2 | 58.5 | 8.1 | 23.0 | 15.7 | 8.3 |
| | Russell/Nomura Small Cap (ex financials) | 1,093 | -6.0 | -12.5 | 37.8 | 10.1 | 12.7 | 9.9 | 11.6 |
| Recurring profits (% y-y) | Russell/Nomura Large Cap | 287 | -20.5 | 4.5 | 34.1 | 9.6 | 8.0 | 11.1 | 7.3 |
| | Russell/Nomura Large Cap (ex financials) | 265 | -22.3 | 5.6 | 34.5 | 11.1 | 7.7 | 12.9 | 7.3 |
| | Manufacturing | 145 | -27.2 | 7.6 | 56.9 | 11.2 | 5.2 | 7.0 | 9.5 |
| | Basic materials | 29 | -52.0 | 13.7 | 164.2 | 0.3 | -6.6 | -6.2 | 4.9 |
| | Processing | 74 | -24.5 | 8.7 | 47.8 | 13.2 | 8.4 | 10.4 | 10.8 |
| | Nonmanufacturing | 142 | -14.3 | 2.0 | 14.7 | 7.8 | 11.2 | 15.7 | 4.9 |
| | Nonmanufacturing (ex financials) | 120 | -16.0 | 3.3 | 8.8 | 10.9 | 11.7 | 22.2 | 4.2 |
| | Russell/Nomura Small Cap | 1,178 | -7.3 | -5.9 | 45.0 | 6.4 | 9.4 | 3.8 | 10.5 |
| | Russell/Nomura Small Cap (ex financials) | 1,093 | -9.5 | -7.0 | 50.1 | 6.0 | 9.7 | 3.3 | 11.0 |
| After-tax profits (% y-y) | Russell/Nomura Large Cap | 287 | -31.6 | 16.3 | 38.9 | 7.6 | 7.7 | 9.7 | 6.7 |
| | Russell/Nomura Large Cap (ex financials) | 265 | -35.6 | 18.3 | 39.5 | 10.0 | 7.3 | 12.3 | 6.6 |
| | Manufacturing | 145 | -40.3 | 16.4 | 66.8 | 6.8 | 5.4 | 2.5 | 9.5 |
| | Basic materials | 29 | -82.6 | 73.7 | 308.5 | -8.3 | -6.8 | -14.7 | 3.8 |
| | Processing | 74 | -37.9 | 18.9 | 51.4 | 9.5 | 8.3 | 6.3 | 11.1 |
| | Nonmanufacturing | 142 | -22.2 | 16.2 | 15.1 | 8.6 | 10.4 | 18.3 | 3.8 |
| | Nonmanufacturing (ex financials) | 120 | -28.8 | 20.7 | 7.6 | 15.6 | 10.5 | 29.2 | 2.5 |
| | Russell/Nomura Small Cap | 1,178 | -12.0 | 2.1 | 72.2 | 9.5 | 6.4 | 6.8 | 7.1 |
| | Russell/Nomura Small Cap (ex financials) | 1,093 | -13.9 | 1.2 | 84.9 | 9.8 | 6.1 | 6.0 | 7.8 |

Note: Latest estimates as of 1 September 2022, previous estimates as of 1 June 2022.

Source: Nomura

Fig. 2: Key earnings estimate assumptions

| As of 15 Jul 2022 | | | | | | | As of 18 Apr 2022 | | | | | |
|-------------------|---------|--------------------------------------------|-------------------------|--------|------------------------|---------|--------------------------------------------|-------------------------|--------|------------------------|---------|--|
| | | Industrial production 2015 base year | Policy rate (FY-end) | WTI | Exchange rate (avg) | | Industrial production 2015 base year | Policy rate (FY-end) | WTI | Exchange rate (avg) | | |
| | | % y-y | % | \$/bbl | USD/JPY | EUR/JPY | % y-y | % | \$/bbl | USD/JPY | EUR/JPY | |
| FY | FY21 | 5.7 | -0.10 | 77.0 | 112.34 | 130.51 | 5.8 | -0.10 | 77.0 | 112.34 | 130.51 | |
| | FY22 | 2.2 | -0.10 | 93.7 | 129.93 | 132.02 | 4.1 | -0.10 | 100.0 | 120.00 | 130.00 | |
| | FY23 | 1.2 | -0.10 | 78.4 | 130.00 | 130.00 | 2.5 | -0.10 | 90.0 | 120.00 | 130.00 | |
| Half-yearly | FY21 H1 | 12.2 | -0.10 | 68.3 | 109.75 | 130.80 | 12.4 | -0.10 | 68.3 | 109.75 | 130.80 | |
| | FY21 H2 | 0.1 | -0.10 | 85.7 | 114.93 | 130.23 | 0.1 | -0.10 | 85.7 | 114.93 | 130.23 | |
| | FY22 H1 | 1.0 | -0.10 | 101.7 | 129.86 | 134.04 | 2.7 | -0.10 | 103.3 | 120.00 | 130.00 | |
| | FY22 H2 | 3.4 | -0.10 | 85.8 | 130.00 | 130.00 | 5.5 | -0.10 | 96.7 | 120.00 | 130.00 | |
| | FY23 H1 | 1.7 | -0.10 | 80.0 | 130.00 | 130.00 | 3.4 | -0.10 | 92.3 | 120.00 | 130.00 | |
| | FY23 H2 | 0.7 | -0.10 | 76.8 | 130.00 | 130.00 | 1.7 | -0.10 | 87.7 | 120.00 | 130.00 | |

Note: WTI is the term-average WTI crude oil futures price. The above assumptions are not Nomura forecasts but the assumptions on which Nomura analysts base their earnings forecasts.

Source: Nomura

Contributions to recurring profit growth by sector

Overview of the corporate earnings outlook for FY22

For FY22, our analysts expect recurring profits to increase in 14 of 19 sectors and decrease in 5.

The transportation, telecommunications, automobile, and electrical machinery & precision equipment sectors are forecast to make especially large contributions to aggregate growth in recurring profits.

We expect the recovery in travel to drive profit growth in the transportation sector. Although COVID-19 infection numbers in Japan increased again from July, this led to few travel cancellations as no restrictions on movement were imposed. For the telecommunications sector, the expectation for marked profit growth in FY22 has mostly to do with the drop-out of the investment losses that SoftBank Group recorded in FY21. For the autos sector, we expect auto production to continue improving in August and beyond as the impact of lockdowns in Shanghai and semiconductor shortages starts to fade. In addition to benefits from the weaker yen, demand should remain high in the US given the pent-up demand that has built up. In the electrical machinery & precision equipment sector, while we expect an impact from the decline in demand for consumer equipment, we expect profit growth centered on automotive and industrial applications.

Sectors in which profits are forecast to decline include the utilities sector, the steel & nonferrous metals sector, the services sector, and the media sector.

In the utilities sector, we forecast an increase in electric power procurement costs stemming from higher JEPX prices, and we think companies will be unable to fully pass on the increase in costs as average fuel prices exceed the ceilings in the fuel cost adjustment system. The steel & nonferrous metals sector is likely to be hit by a combination of deterioration in inventory valuation gains/losses and lower sales volume. Profits in the media sector in FY22 are forecast to fall on the drop-out of gains on the sale of fixed assets recorded in FY21.

Overview of the corporate earnings outlook for FY23

For FY23, our analysts expect recurring profits to increase in 14 out of 19 sectors and fall in five.

Sectors expected to make large contributions to overall profit growth include utilities, automobiles, telecoms, and financials.

For utilities, losses related to the fuel cost adjustment system should drop out of the picture, and we forecast hikes to electricity rates and lower fuel expenses with the restart of nuclear reactors. We think automakers will be able to increase production substantially as the semiconductor shortage is resolved. We expect demand to remain high through 2024 even in the event of an economic recession given the pent-up demand in the US. In telecoms, we look for better cost efficiency, improvement in the mobile ARPU trend, and a winding-down of upfront investment. For financials, we expect steady progress with overhead controls at major banks as earnings in customer-facing operations take a positive turn.

We expect profit declines in sectors such as trading companies, chemicals, steel & nonferrous metals, and software.

For trading companies, earnings in resource operations appear likely to decline based on the assumption of a pause in the rise in resource prices. In chemicals, we forecast a profit decline in the oil products subsector. We also forecast deterioration in PVC margins in the US and elsewhere with the slowdown in housing demand in North America. In the steel & nonferrous metals sector, we expect deterioration in inventory valuation gains/losses and a drop in steel prices at a lag to the drop in fuel and raw material prices. For the software sector, we expect lower revenues in game businesses.

Fig. 3: Contributions to recurring profit growth by sector for the Russell/Nomura Large Cap Index

| FY22E | | | | FY23E | | | |
|-------------------------------------------|--------|--------------|------------------|-------------------------------------------|--------|--------------|------------------|
| Increase in profits | | | | Increase in profits | | | |
| | Growth | Contribution | Contribution (%) | | Growth | Contribution | Contribution (%) |
| 14 sectors | | | (ex financials) | 14 sectors | | | (ex financials) |
| Transportation | 59.2 | 24.1 | 24.2 | Utilities | SP | 34.0 | 40.3 |
| Telecommunications | 56.5 | 23.0 | 23.0 | Automobiles | 15.2 | 28.1 | 33.2 |
| Automobiles | 14.4 | 21.2 | 21.3 | Telecommunications | 38.5 | 26.9 | 31.9 |
| Electrical machinery, precision equipment | 14.2 | 20.4 | 20.5 | Financials | 9.9 | 15.5 | - |
| Pharmaceuticals, healthcare | 29.9 | 11.1 | 11.2 | Pharmaceuticals, healthcare | 9.9 | 5.3 | 6.2 |
| Chemicals | 7.2 | 7.0 | 7.0 | Machinery | 7.7 | 4.8 | 5.6 |
| Food | 18.5 | 5.1 | 5.1 | Household goods | 27.2 | 4.5 | 5.3 |
| Retailing | 14.6 | 4.3 | 4.3 | Services | 8.9 | 3.8 | 4.5 |
| Trading companies | 3.6 | 3.7 | 3.7 | Electrical machinery, precision equipment | 1.6 | 2.8 | 3.3 |
| Machinery | 7.0 | 3.7 | 3.7 | Housing, real estate | 4.5 | 2.5 | 3.0 |
| Housing, real estate | 7.6 | 3.6 | 3.7 | Transportation | 2.5 | 1.8 | 2.1 |
| Construction | 13.5 | 1.1 | 1.1 | Retailing | 2.3 | 0.9 | 1.0 |
| Financials | 0.2 | 0.3 | - | Media | 12.9 | 0.7 | 0.8 |
| Household goods | 0.6 | 0.1 | 0.1 | Construction | 5.1 | 0.5 | 0.6 |
| Decrease in profits | | | | Decrease in profits | | | |
| | Growth | Contribution | Contribution (%) | | Growth | Contribution | Contribution (%) |
| 5 sectors | | | (ex financials) | 5 sectors | | | (ex financials) |
| Software | -2.1 | -0.5 | -0.5 | Food | -1.8 | -0.6 | -0.8 |
| Media | -22.4 | -1.4 | -1.4 | Software | -2.5 | -0.7 | -0.8 |
| Services | -4.7 | -1.9 | -1.9 | Steel, nonferrous metals | -12.5 | -3.6 | -4.3 |
| Steel, nonferrous metals | -20.0 | -6.7 | -6.7 | Chemicals | -5.1 | -5.8 | -6.9 |
| Utilities | SL | -18.1 | -18.1 | Trading companies | -18.3 | -21.2 | -25.0 |

Note: SP = switch to profits; SL = switch to losses; LS = losses shrinking; LI = losses increasing.

Source: Nomura

Revisions to recurring profit estimates

Overview of the corporate earnings outlook for FY22

Our analysts have raised their FY22 recurring profit forecasts for 11 of 19 sectors and lowered them for 8.

The upward revisions (in value terms) were particularly large for sectors such as autos, chemicals, steel & nonferrous metals, and foods.

Upward revisions to forecasts for the autos industry mainly reflect assumptions for a weaker yen. For chemicals, we factor in the weaker yen and brisk performance in PVC, electronic materials, and silicone resins. In the steel & nonferrous metals sector, we expect a decline in input prices, particularly for coking coal, and since some majors have made clear that they are prioritizing prices at the expense of volumes, we now expect better improvement in steel spreads. In the foods sector, we expect separation of Russian operations to take longer than we had previously expected. We also factor in improved earnings at pharma subsidiaries.

The largest downward revisions made were to forecasts for companies in the utilities sector, the telecoms sector, the trading companies sector, and the electrical machinery & precision equipment sector.

For the utilities sector, we update our assumptions for higher costs for electric power sourced externally due to higher JEPX prices and for yen depreciation, and we now expect a larger negative impact from the inability to pass on cost increases because of fuel prices exceeding the ceilings in the fuel cost adjustment system. Revisions in the telecoms sector mainly relate to downward revisions to forecasts for SoftBank Group's investment business. Even excluding SoftBank Group, however, we have lowered our forecasts for the sector to reflect the impact of telecom service outages and shortfalls in game businesses. For trading companies, we lowered our forecasts for resource fields to factor in price corrections for resources such as crude oil and coking coal. The electrical machinery & precision equipment is beginning to see an impact from worsening consumer demand for products such as PCs and smartphones.

Overview of the corporate earnings outlook for FY23

Our analysts have raised their FY23 recurring profit forecasts for 10 of 19 sectors and lowered them for 9.

The upward revisions (in value terms) were particularly large for sectors such as autos, financials, pharmaceuticals & healthcare, and housing & real estate.

As with our FY22 forecasts, upward revisions to forecasts for the autos industry mainly reflect assumptions for a weaker yen. For financials, we reflect the upswing in earnings in customer-facing operations at major banks, and we also now envision a scenario of higher yen-based interest rates. In the pharmaceuticals & healthcare sector, we factor in benefits from the weaker yen to reflect revisions to our forex assumptions. Sales of companies' core products have also been brisk. For the housing & real estate sector, we raise our forecasts for US housing operations. Although we lower our forecast for housing units sold to factor in a peak in US housing demand, we also factor in higher housing prices and benefits from yen depreciation.

The largest downward revisions made were to forecasts for companies in the electrical machinery & precision equipment sector, the trading companies sector, the chemicals sector, and the telecoms sector, among others.

The electrical machinery & precision equipment sector faces a major impact from dollar appreciation and inflation concerns, and demand has been deteriorating, particularly for consumer products such as PCs and smartphones. As a result, inventory corrections for CPUs, GPUs, and memory have intensified, and semiconductor manufacturers (particularly memory manufacturers) are taking more cautious stances on capex. As with our FY22 forecasts, we have revised our forecasts for trading companies mainly to reflect adjustments in resource prices. In chemicals, we lowered our oil products subsector forecasts as we lowered our crude oil price assumption. We also take into account a deterioration in PVC spreads on a slowdown in housing demand in North America due to rising interest rates. Revisions in the telecoms sector include downward revisions to our forecasts for SoftBank Group's investment business, and a decline in mobile ARPU from rate cuts and growth in lower-priced plans in mobile telecom operations.

Fig. 4: Revisions to recurring profit estimates for the Russell/Nomura Large Cap Index

| FY22E | | | | | FY23E | | | | |
|-------------------------------|------------|------------|-----------------|-------------|-------------------------------|------------|------------|-----------------|-------------|
| [Upward revisions] 11 sectors | | | | | [Upward revisions] 10 sectors | | | | |
| | New ¥bn | Old ¥bn | Revision ¥bn | Change % | | New ¥bn | Old ¥bn | Revision ¥bn | Change % |
| Automobiles | 8,608 | 8,147 | 460.7 | 5.7 | Automobiles | 9,916 | 9,501 | 415.3 | 4.4 |
| Chemicals | 5,333 | 5,111 | 221.7 | 4.3 | Financials | 8,019 | 7,760 | 259.0 | 3.3 |
| Steel, nonferrous metals | 1,360 | 1,150 | 210.0 | 18.3 | Pharmaceuticals, healthcare | 2,722 | 2,554 | 168.1 | 6.6 |
| Food | 1,671 | 1,517 | 154.0 | 10.2 | Housing, real estate | 2,760 | 2,723 | 36.5 | 1.3 |
| Pharmaceuticals, healthcare | 2,477 | 2,352 | 124.8 | 5.3 | Food | 1,641 | 1,607 | 34.4 | 2.1 |
| Housing, real estate | 2,641 | 2,578 | 63.5 | 2.5 | Media | 287 | 263 | 23.9 | 9.1 |
| Financials | 7,298 | 7,263 | 35.3 | 0.5 | Machinery | 3,089 | 3,081 | 7.9 | 0.3 |
| Retailing | 1,735 | 1,706 | 28.8 | 1.7 | Software | 1,231 | 1,224 | 7.1 | 0.6 |
| Services | 1,990 | 1,972 | 17.8 | 0.9 | Services | 2,168 | 2,166 | 1.8 | 0.1 |
| Media | 254 | 236 | 17.7 | 7.5 | Household goods | 970 | 969 | 0.8 | 0.1 |
| Machinery | 2,867 | 2,865 | 1.9 | 0.1 | | | | | |

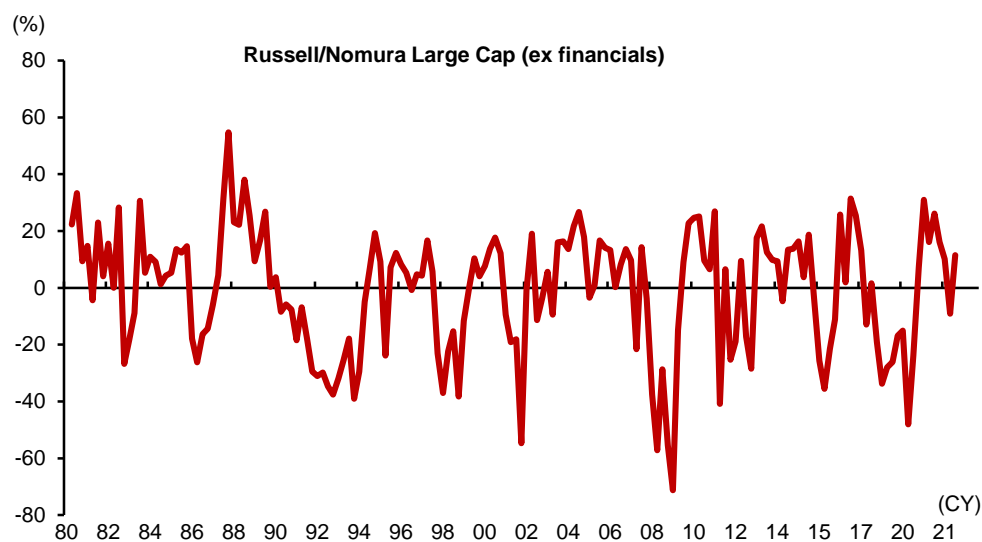
| [Downward revisions] 8 sectors | | | | | [Downward revisions] 9 sectors | | | | |
|-------------------------------------------|------------|------------|-----------------|-------------|-------------------------------------------|------------|------------|-----------------|-------------|
| | New ¥bn | Old ¥bn | Revision ¥bn | Change % | | New ¥bn | Old ¥bn | Revision ¥bn | Change % |
| Construction | 454 | 456 | -2.0 | -0.4 | Construction | 477 | 480 | -3.5 | -0.7 |
| Transportation | 3,321 | 3,325 | -3.9 | -0.1 | Transportation | 3,404 | 3,410 | -6.4 | -0.2 |
| Household goods | 762 | 771 | -9.0 | -1.2 | Steel, nonferrous metals | 1,190 | 1,210 | -20.0 | -1.7 |
| Software | 1,262 | 1,274 | -11.3 | -0.9 | Retailing | 1,775 | 1,835 | -60.7 | -3.3 |
| Electrical machinery, precision equipment | 8,375 | 8,421 | -45.8 | -0.5 | Utilities | 940 | 1,036 | -95.4 | -9.2 |
| Trading companies | 5,391 | 5,472 | -81.0 | -1.5 | Telecommunications | 4,509 | 4,718 | -209.8 | -4.4 |
| Telecommunications | 3,254 | 4,240 | -986.1 | -23.3 | Chemicals | 5,061 | 5,358 | -297.2 | -5.5 |
| Utilities | -645 | 403 | -1,048.6 | -260.0 | Trading companies | 4,405 | 4,718 | -313.4 | -6.6 |
| | | | | | Electrical machinery, precision equipment | 8,505 | 8,949 | -444.3 | -5.0 |

Note: Latest estimates as of 1 September 2022, previous estimates as of 1 June 2022.

Source: Nomura

Fig. 5: Revision index for the Russell/Nomura Large Cap Index

| | (yy/m) | | | | | | | | (%) |
|------------------------------------------|--------|-------|------|------|------|-------|------|-------|------|
| | | 20/12 | 21/3 | 21/6 | 21/9 | 21/12 | 22/3 | 22/6 | 22/9 |
| Russell/Nomura Large Cap | | 7.6 | 29.3 | 16.2 | 25.7 | 17.1 | 11.5 | -8.7 | 11.5 |
| Russell/Nomura Large Cap (ex financials) | | 7.2 | 31.0 | 16.1 | 26.1 | 16.1 | 10.2 | -9.1 | 13.2 |
| Manufacturing | | 7.4 | 38.7 | 18.5 | 32.4 | 20.8 | 6.2 | -13.1 | 22.1 |
| Basic materials | | 18.9 | 52.8 | 61.1 | 36.1 | 47.2 | 48.3 | -17.2 | 44.8 |
| Processing | | 20.2 | 64.6 | 27.8 | 46.8 | 24.1 | 2.7 | -10.8 | 10.8 |
| Nonmanufacturing (ex financials) | | 6.9 | 21.2 | 13.1 | 18.2 | 10.2 | 15.0 | -4.2 | 2.5 |



Note: (1) Calculated by Nomura based on revisions to recurring profit forecasts. Excludes consolidated subsidiaries. (2) Revision index = (number of upward revisions - number of downward revisions) ÷ number of constituent companies.

Source: Nomura

Russell/Nomura Large Cap Index: earnings indicators

Fig. 6: Percentage change in sales by sector (% y-y)

| | | | (%) | | | | | | | |
|----------------------|-------------------------------------------|---------------|------|-------|-------|------|--------------|--------------|--------------|--------------|
| | | No. of cos | FY18 | FY19 | FY20 | FY21 | FY22E Old | FY22E New | FY23E Old | FY23E New |
| Industrial groups | Russell/Nomura Large Cap (ex financials) | 265 | 6.5 | -2.5 | -7.5 | 14.1 | 10.3 | 13.3 | 2.2 | 1.8 |
| | Manufacturing | 145 | 3.0 | -2.7 | -8.0 | 15.2 | 12.0 | 15.6 | 3.9 | 3.2 |
| | Basic materials | 29 | 7.0 | -2.0 | -12.1 | 28.8 | 19.6 | 23.4 | 0.5 | -0.9 |
| | Processing | 74 | 1.7 | -4.5 | -7.7 | 13.3 | 11.0 | 14.4 | 5.3 | 4.8 |
| | Nonmanufacturing (ex financials) | 120 | 11.5 | -2.3 | -6.8 | 12.8 | 8.2 | 10.4 | 0.1 | -0.1 |
| Broad sectors | Materials | 29 | 7.0 | -2.0 | -12.1 | 28.8 | 19.6 | 23.4 | 0.5 | -0.9 |
| | Machinery, autos | 38 | 2.2 | -4.4 | -10.4 | 13.9 | 13.9 | 18.6 | 7.0 | 6.8 |
| | Electronics | 36 | 0.8 | -4.8 | -3.0 | 12.5 | 6.5 | 8.1 | 2.5 | 1.5 |
| | Consumer, distribution | 84 | 15.5 | -0.6 | -4.4 | 15.6 | 6.7 | 8.3 | -2.0 | -2.6 |
| | Information | 27 | 3.7 | -7.4 | -0.6 | 6.0 | 4.3 | 4.2 | 2.5 | 3.0 |
| | Utilities, infrastructure | 51 | 3.8 | 0.2 | -12.2 | 6.0 | 11.5 | 17.2 | 4.8 | 5.2 |
| Sectors | Chemicals | 25 | 8.0 | -1.2 | -12.4 | 27.8 | 20.7 | 25.9 | 1.1 | -1.6 |
| | Steel, nonferrous metals | 4 | 4.7 | -3.9 | -11.3 | 31.5 | 16.4 | 16.3 | -1.2 | 1.2 |
| | Machinery | 23 | 3.0 | -3.6 | -5.5 | 17.8 | 7.7 | 10.8 | 3.5 | 3.5 |
| | Autos | 15 | 2.0 | -4.6 | -11.8 | 12.8 | 15.8 | 21.1 | 8.1 | 7.8 |
| | Electrical machinery, precision equipment | 36 | 0.8 | -4.8 | -3.0 | 12.5 | 6.5 | 8.1 | 2.5 | 1.5 |
| | Pharmaceuticals, healthcare | 16 | 3.5 | 9.7 | -2.1 | 7.4 | 4.9 | 8.8 | 2.0 | 1.9 |
| | Food products | 13 | 2.5 | 0.7 | -3.9 | 2.0 | 4.6 | 9.9 | 3.3 | 2.9 |
| | Household goods | 13 | 3.5 | -0.8 | -7.4 | 9.2 | 5.4 | 7.9 | 5.9 | 5.4 |
| | Trading companies | 8 | 45.0 | -5.0 | -5.8 | 30.3 | 8.1 | 7.3 | -8.8 | -10.4 |
| | Retailing | 15 | 3.1 | 2.5 | -3.4 | 13.7 | 8.9 | 13.5 | 3.5 | 3.6 |
| | Services | 19 | 1.9 | -2.5 | -4.0 | 3.1 | 3.1 | 3.2 | 2.6 | 2.5 |
| | Software | 13 | 9.5 | 7.5 | 9.2 | 3.8 | 4.1 | 2.5 | -1.8 | 1.4 |
| | Media | 3 | 6.4 | 0.8 | -12.9 | 19.7 | 7.4 | 9.5 | 6.0 | 7.3 |
| | Telecommunications | 11 | 2.7 | -10.7 | -0.6 | 5.4 | 4.0 | 4.1 | 3.1 | 2.9 |
| | Construction, engineering | 5 | 8.0 | 5.1 | -9.8 | 5.8 | 9.8 | 10.3 | 3.3 | 3.9 |
| | Housing, real estate | 18 | 5.4 | 2.3 | -4.3 | 8.4 | 6.0 | 6.8 | 4.3 | 4.0 |
| | Transportation | 20 | -1.1 | -2.2 | -28.2 | 15.5 | 12.8 | 20.0 | 6.2 | 5.4 |
| | Utilities | 8 | 6.6 | -0.9 | -3.1 | -4.1 | 17.3 | 29.3 | 4.6 | 6.6 |

Note: (1) Figures exclude listed consolidated subsidiaries. (2) Latest estimates as of 1 September 2022; previous estimates as of 1 June 2022.

Source: Nomura

Fig. 7: Percentage change in recurring profits by sector (% y-y)

| | | | (%) | | | | | | | | |
|----------------------|-------------------------------------------|-----|---------------|-------|-------|-------|-------|--------------|--------------|--------------|--------------|
| | | | No. of cos | FY18 | FY19 | FY20 | FY21 | FY22E Old | FY22E New | FY23E Old | FY23E New |
| | | | | | | | | E | E | E | E |
| Industrial groups | Russell/Nomura Large Cap | 287 | 1.1 | -20.5 | 4.5 | 34.1 | 11.1 | 9.6 | 7.3 | 8.0 | |
| | Russell/Nomura Large Cap (ex financials) | 265 | 3.1 | -22.3 | 5.6 | 34.5 | 12.9 | 11.1 | 7.3 | 7.7 | |
| | Manufacturing | 145 | -1.5 | -27.2 | 7.6 | 56.9 | 7.0 | 11.2 | 9.5 | 5.2 | |
| | Basic materials | 29 | 2.1 | -52.0 | 13.7 | 164.2 | -6.2 | 0.3 | 4.9 | -6.6 | |
| | Processing | 74 | -2.6 | -24.5 | 8.7 | 47.8 | 10.4 | 13.2 | 10.8 | 8.4 | |
| | Nonmanufacturing | 142 | 3.7 | -14.3 | 2.0 | 14.7 | 15.7 | 7.8 | 4.9 | 11.2 | |
| | Nonmanufacturing (ex financials) | 120 | 9.7 | -16.0 | 3.3 | 8.8 | 22.2 | 10.9 | 4.2 | 11.7 | |
| Broad sectors | Materials | 29 | 2.1 | -52.0 | 13.7 | 164.2 | -6.2 | 0.3 | 4.9 | -6.6 | |
| | Machinery, autos | 38 | -8.9 | -23.9 | -7.0 | 57.8 | 7.9 | 12.5 | 14.3 | 13.3 | |
| | Electronics | 36 | 9.3 | -25.3 | 34.8 | 36.0 | 13.9 | 14.2 | 6.3 | 1.6 | |
| | Consumer, distribution | 84 | 2.8 | -9.5 | -12.0 | 56.6 | 7.1 | 8.9 | 0.4 | -2.5 | |
| | Information | 27 | 33.1 | -35.2 | 157.0 | -60.0 | 55.5 | 29.0 | 7.9 | 26.3 | |
| | Utilities, infrastructure | 51 | -2.5 | -2.6 | -68.8 | 137.7 | 29.5 | 10.5 | 13.1 | 31.4 | |
| | Financials | 22 | -10.5 | -9.1 | -1.4 | 31.9 | -0.3 | 0.2 | 6.9 | 9.9 | |
| Sectors | Chemicals | 25 | 4.5 | -34.2 | -11.6 | 119.1 | 2.7 | 7.2 | 4.8 | -5.1 | |
| | Steel, nonferrous metals | 4 | -7.3 | SL | SP | 555.9 | -32.4 | -20.0 | 5.2 | -12.5 | |
| | Machinery | 23 | 9.6 | -30.0 | -5.0 | 61.7 | 6.9 | 7.0 | 7.5 | 7.7 | |
| | Autos | 15 | -14.6 | -21.5 | -7.7 | 56.5 | 8.3 | 14.4 | 16.6 | 15.2 | |
| | Electrical machinery, precision equipment | 36 | 9.3 | -25.3 | 34.8 | 36.0 | 13.9 | 14.2 | 6.3 | 1.6 | |
| | Pharmaceuticals, healthcare | 16 | -3.5 | 8.0 | 11.8 | 6.5 | 23.5 | 29.9 | 8.6 | 9.9 | |
| | Food products | 13 | -3.7 | -15.6 | 0.6 | 10.0 | 7.5 | 18.5 | 5.9 | -1.8 | |
| | Household goods | 13 | 6.9 | -7.5 | -23.6 | 30.0 | 1.7 | 0.6 | 25.6 | 27.2 | |
| | Trading companies | 8 | 10.4 | -27.9 | -26.8 | 208.6 | 5.2 | 3.6 | -13.8 | -18.3 | |
| | Retailing | 15 | 3.3 | 4.1 | -17.7 | 20.0 | 12.7 | 14.6 | 7.6 | 2.3 | |
| | Services | 19 | 0.0 | 1.7 | -14.3 | 36.1 | -5.6 | -4.7 | 9.8 | 8.9 | |
| | Software | 13 | 16.7 | 20.1 | 39.6 | 14.4 | -1.3 | -2.1 | -3.9 | -2.5 | |
| | Media | 3 | 4.1 | -57.5 | SL | SP | -27.8 | -22.4 | 11.3 | 12.9 | |
| | Telecommunications | 11 | 38.5 | -41.4 | 207.6 | -74.9 | 103.9 | 56.5 | 11.3 | 38.5 | |
| | Construction, engineering | 5 | -1.1 | 0.6 | -13.4 | -22.8 | 14.0 | 13.5 | 5.4 | 5.1 | |
| | Housing, real estate | 18 | -2.7 | 5.4 | -10.8 | 24.1 | 5.0 | 7.6 | 5.6 | 4.5 | |
| | Transportation | 20 | 2.2 | -17.4 | SL | SP | 59.4 | 59.2 | 2.6 | 2.5 | |
| | Utilities | 8 | -12.8 | 17.7 | -15.3 | -61.2 | 44.0 | SL | 156.8 | SP | |
| | Financials | 22 | -10.5 | -9.1 | -1.4 | 31.9 | -0.3 | 0.2 | 6.9 | 9.9 | |

Note: (1) SP = switch to profits, SL = switch to losses. LS = losses shrinking. (2) Figures exclude listed consolidated subsidiaries. (3) Latest estimates as of 1 September 2022; previous estimates as of 1 June 2022.

Source: Nomura

Fig. 8: Recurring profits by sector (Unit: ¥1bn)

| | | No. of cos | FY18 | FY19 | FY20 | FY21 | FY22E Old E | FY22E New E | FY23E Old E | FY23E New E |
|----------------------|-------------------------------------------|---------------|--------|--------|--------|--------|-------------------|-------------------|-------------------|-------------------|
| Industrial groups | Russell/Nomura Large Cap | 287 | 48,162 | 38,542 | 40,173 | 53,958 | 59,259 | 58,408 | 63,563 | 63,067 |
| | Russell/Nomura Large Cap (ex financials) | 265 | 41,796 | 32,757 | 34,590 | 46,630 | 51,996 | 51,109 | 55,802 | 55,047 |
| | Manufacturing | 145 | 23,510 | 17,180 | 18,613 | 29,038 | 30,334 | 31,452 | 33,228 | 33,093 |
| | Basic materials | 29 | 4,963 | 2,453 | 2,721 | 7,020 | 6,261 | 6,693 | 6,568 | 6,251 |
| | Processing | 74 | 14,552 | 10,942 | 12,114 | 17,723 | 19,433 | 19,850 | 21,531 | 21,510 |
| | Nonmanufacturing | 142 | 24,652 | 21,362 | 21,560 | 24,920 | 28,925 | 26,955 | 30,334 | 29,973 |
| | Nonmanufacturing (ex financials) | 120 | 18,286 | 15,578 | 15,977 | 17,592 | 21,663 | 19,657 | 22,574 | 21,954 |
| Broad sectors | Materials | 29 | 4,963 | 2,453 | 2,721 | 7,020 | 6,261 | 6,693 | 6,568 | 6,251 |
| | Machinery, autos | 38 | 8,911 | 6,745 | 6,492 | 10,244 | 11,012 | 11,475 | 12,582 | 13,005 |
| | Electronics | 36 | 5,641 | 4,197 | 5,622 | 7,479 | 8,421 | 8,375 | 8,949 | 8,505 |
| | Consumer, distribution | 84 | 10,312 | 9,397 | 8,260 | 13,236 | 13,790 | 14,026 | 13,849 | 13,680 |
| | Information | 27 | 5,753 | 3,728 | 9,589 | 3,820 | 5,750 | 4,770 | 6,205 | 6,027 |
| | Utilities, infrastructure | 51 | 6,216 | 6,236 | 1,906 | 4,831 | 6,762 | 5,771 | 7,649 | 7,580 |
| | Financials | 22 | 6,366 | 5,785 | 5,583 | 7,328 | 7,263 | 7,298 | 7,760 | 8,019 |
| Sectors | Chemicals | 25 | 4,036 | 2,758 | 2,425 | 5,218 | 5,111 | 5,333 | 5,358 | 5,061 |
| | Steel, nonferrous metals | 4 | 927 | -305 | 296 | 1,802 | 1,150 | 1,360 | 1,210 | 1,190 |
| | Machinery | 23 | 2,539 | 1,781 | 1,670 | 2,637 | 2,865 | 2,867 | 3,081 | 3,089 |
| | Autos | 15 | 6,372 | 4,964 | 4,822 | 7,608 | 8,147 | 8,608 | 9,501 | 9,916 |
| | Electrical machinery, precision equipment | 36 | 5,641 | 4,197 | 5,622 | 7,479 | 8,421 | 8,375 | 8,949 | 8,505 |
| | Pharmaceuticals, healthcare | 16 | 1,540 | 1,632 | 1,810 | 1,983 | 2,352 | 2,477 | 2,554 | 2,722 |
| | Food products | 13 | 1,625 | 1,387 | 1,373 | 1,533 | 1,517 | 1,671 | 1,607 | 1,641 |
| | Household goods | 13 | 830 | 765 | 596 | 778 | 771 | 762 | 969 | 970 |
| | Trading companies | 8 | 3,148 | 2,271 | 1,663 | 5,203 | 5,472 | 5,391 | 4,718 | 4,405 |
| | Retailing | 15 | 1,497 | 1,612 | 1,310 | 1,651 | 1,706 | 1,735 | 1,835 | 1,775 |
| | Services | 19 | 1,672 | 1,731 | 1,509 | 2,086 | 1,972 | 1,990 | 2,166 | 2,168 |
| | Software | 13 | 620 | 813 | 1,172 | 1,381 | 1,274 | 1,262 | 1,224 | 1,231 |
| | Media | 3 | 364 | 154 | -2 | 327 | 236 | 254 | 263 | 287 |
| | Telecommunications | 11 | 4,769 | 2,761 | 8,419 | 2,112 | 4,240 | 3,254 | 4,718 | 4,509 |
| | Construction, engineering | 5 | 696 | 734 | 636 | 501 | 456 | 454 | 480 | 477 |
| | Housing, real estate | 18 | 2,055 | 2,165 | 1,878 | 2,509 | 2,578 | 2,641 | 2,723 | 2,760 |
| | Transportation | 20 | 2,474 | 2,170 | -1,573 | 1,446 | 3,325 | 3,321 | 3,410 | 3,404 |
| | Utilities | 8 | 992 | 1,167 | 965 | 375 | 403 | -645 | 1,036 | 940 |
| | Financials | 22 | 6,366 | 5,785 | 5,583 | 7,328 | 7,263 | 7,298 | 7,760 | 8,019 |

Note: Figures exclude listed consolidated subsidiaries. Index composition for period through FY21 differs from index composition from FY22 onwards. Accordingly, prior-year comparison base for y-y changes has altered, thereby resulting in different y-y figures than before. Latest estimates as of 1 September 2022, previous estimates as of 1 June 2022.

Source: Nomura

Fig. 9: Percentage change in quarterly sales and profits (FY21 Q2–FY22 Q1)

| | | %y-y | | | | | | | | | | | | | | | |
|-------------------|-------------------------------------------|-------|------|------|------|-------------------|-------|-------|-------|-------------------|---------|-------|-------|-------------|-------|-------|-------|
| | | Sales | | | | Operating profits | | | | Recurring profits | | | | Net profits | | | |
| | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 |
| Industrial groups | Russell/Nomura Large Cap | - | - | - | - | - | - | - | - | 47.8 | 10.4 | -14.5 | -17.6 | 50.8 | 17.7 | -21.6 | -26.1 |
| | Russell/Nomura Large Cap (ex financials) | 11.0 | 11.5 | 11.4 | 17.2 | 42.8 | 15.6 | 23.0 | 5.9 | 45.1 | 8.6 | -15.8 | -16.9 | 48.2 | 15.2 | -21.8 | -24.2 |
| | Manufacturing | 11.2 | 9.6 | 10.4 | 14.3 | 55.9 | 13.9 | 18.1 | 2.5 | 64.3 | 16.8 | 10.1 | 7.9 | 72.1 | 15.8 | 3.7 | 4.3 |
| | Basic materials | 29.0 | 28.8 | 26.0 | 35.5 | 268.2 | 75.5 | 57.5 | 50.3 | 344.8 | 84.9 | 58.9 | 57.0 | 2,028.7 | 83.9 | 74.7 | 60.4 |
| | Processing | 7.6 | 4.6 | 6.3 | 8.9 | 37.1 | 4.3 | 9.5 | -14.6 | 42.1 | 7.6 | -0.2 | -7.6 | 31.9 | 6.8 | -7.9 | -12.4 |
| | Nonmanufacturing | - | - | - | - | - | - | - | - | 33.3 | 4.4 | -42.3 | -42.4 | 31.8 | 19.6 | -55.6 | -55.6 |
| Broad sectors | Nonmanufacturing (ex financials) | 10.7 | 14.1 | 12.7 | 21.0 | 23.0 | 19.1 | 36.4 | 13.7 | 22.5 | -1.3 | -52.3 | -50.3 | 19.2 | 14.3 | -65.9 | -64.0 |
| | Basic materials | 29.0 | 28.8 | 26.0 | 35.5 | 268.2 | 75.5 | 57.5 | 50.3 | 344.8 | 84.9 | 58.9 | 57.0 | 2,028.7 | 83.9 | 74.7 | 60.4 |
| | Machinery, autos | 5.6 | 1.2 | 6.2 | 9.7 | 32.2 | -7.9 | -7.0 | -24.0 | 30.5 | -0.8 | -12.5 | -10.7 | 34.5 | -7.2 | -24.3 | -17.3 |
| | Electronics | 10.6 | 10.1 | 6.4 | 7.7 | 43.1 | 21.7 | 32.6 | 0.6 | 58.8 | 20.7 | 19.8 | -2.0 | 29.2 | 28.1 | 18.2 | -3.8 |
| | Consumption, distribution | 13.5 | 16.2 | 15.3 | 19.7 | 17.8 | -2.4 | 11.2 | 2.3 | 51.5 | 26.2 | 55.6 | 23.9 | 75.1 | 35.6 | 81.6 | 30.0 |
| | Information | 5.4 | 4.2 | 5.3 | 6.0 | 17.8 | 21.9 | 7.1 | -8.0 | -37.2 | -49.1 | SL | SL | -66.5 | -45.2 | SL | SL |
| Sectors | Utilities, infrastructure | 3.3 | 9.1 | 7.9 | 24.7 | 32.6 | 39.4 | 144.0 | 68.0 | 58.7 | 60.2 | 363.8 | 101.4 | 102.7 | 94.3 | SP | 118.3 |
| | Financials | - | - | - | - | - | - | - | - | 65.0 | 23.1 | -2.4 | -21.8 | 67.0 | 35.1 | -20.0 | -36.5 |
| | Chemicals | 27.7 | 27.4 | 25.2 | 38.5 | 119.7 | 62.5 | 59.6 | 56.8 | 156.2 | 74.1 | 62.8 | 65.8 | 225.4 | 79.6 | 100.4 | 68.3 |
| | Steel, nonferrous metals | 32.6 | 32.8 | 28.2 | 26.9 | SP | 118.4 | 51.1 | 33.4 | SP | 119.2 | 46.8 | 33.4 | SP | 93.2 | 30.8 | 41.7 |
| | Machinery | 13.5 | 16.0 | 13.7 | 13.3 | 41.8 | 20.0 | 17.0 | -2.5 | 39.3 | 22.5 | 0.5 | 12.5 | 45.1 | 17.6 | 5.0 | 9.3 |
| | Automobiles | 3.4 | -2.5 | 4.1 | 8.6 | 28.8 | -15.2 | -15.7 | -31.2 | 27.9 | -6.4 | -17.1 | -17.4 | 31.3 | -13.6 | -32.6 | -24.6 |
| | Electrical machinery, precision equipment | 10.6 | 10.1 | 6.4 | 7.7 | 43.1 | 21.7 | 32.6 | 0.6 | 58.8 | 20.7 | 19.8 | -2.0 | 29.2 | 28.1 | 18.2 | -3.8 |
| | Pharmaceuticals, healthcare | 7.4 | 6.6 | 10.9 | 5.5 | 35.8 | -5.6 | -12.8 | -24.2 | 43.0 | -7.2 | -26.1 | -15.4 | 64.9 | -6.5 | -41.5 | -13.7 |
| | Food products | 0.5 | 3.9 | -0.6 | 12.8 | 1.9 | -15.9 | -9.0 | 31.6 | 6.5 | -14.8 | -10.2 | 27.3 | 16.9 | -5.1 | -3.5 | 34.5 |
| | Household goods | 5.0 | 7.4 | 7.4 | 10.3 | -0.2 | -10.3 | 48.5 | 12.7 | 1.2 | -6.9 | 46.6 | 23.2 | 33.5 | -4.2 | 118.3 | 31.7 |
| | Trading companies | 27.4 | 32.7 | 26.0 | 32.4 | 40.3 | 45.7 | 31.7 | 43.9 | 189.4 | 160.4 | 267.2 | 58.4 | 206.0 | 183.1 | 286.1 | 61.1 |
| | Retailing | 9.9 | 16.4 | 18.7 | 18.0 | -10.1 | -4.1 | 23.0 | 12.0 | -7.7 | -0.2 | 20.8 | 29.2 | 21.4 | 9.4 | 47.8 | 42.3 |
| | Services | 5.3 | -0.8 | 0.8 | 4.3 | 45.3 | -6.2 | 17.2 | -17.4 | 46.5 | -4.7 | 19.7 | -12.3 | 52.5 | 8.0 | 284.7 | -2.6 |
| | Software | -4.1 | 6.2 | 3.9 | 1.2 | -3.6 | 10.2 | 16.2 | -12.1 | 2.2 | 17.6 | 22.6 | 14.2 | 17.0 | 23.1 | 10.7 | 8.4 |
| | Media | 33.4 | 12.2 | 21.0 | 15.2 | SP | SP | 27.1 | -33.7 | 128,821.2 | SP | 47.8 | -13.1 | SP | SP | 154.1 | -21.4 |
| | Telecommunications | 5.5 | 3.2 | 4.3 | 6.3 | 5.2 | 0.3 | -1.3 | -4.0 | -55.4 | -63.7 | SL | SL | -87.2 | -63.7 | SL | SL |
| | Construction, engineering | 3.1 | 6.0 | 8.1 | 7.5 | -39.4 | -16.5 | -25.5 | -27.3 | -36.0 | -9.7 | -20.1 | -9.5 | -32.7 | -10.1 | -22.0 | -7.9 |
| | Housing, real estate | 8.3 | 4.3 | 10.9 | 12.1 | 26.7 | 3.2 | 24.8 | 19.6 | 31.6 | 2.0 | 34.2 | 26.0 | 32.5 | -9.2 | 30.9 | 25.0 |
| | Transportation | 12.9 | 16.2 | 14.8 | 30.2 | LS | SP | LS | SP | SP | 1,551.6 | SP | 909.5 | SP | SP | SP | 528.3 |
| | Utilities | -9.5 | 8.7 | 0.4 | 43.6 | -33.9 | SL | SL | SL | -46.5 | SL | LS | SL | -37.8 | SL | LS | SL |
| | Financials | - | - | - | - | - | - | - | - | 65.0 | 23.1 | -2.4 | -21.8 | 67.0 | 35.1 | -20.0 | -36.5 |

Note: (1) Q1 = Feb–Apr, Mar–May, or Apr–Jun; Q2 = May–Jul, Jun–Aug, or Jul–Sep; Q3 = Aug–Oct, Sep–Nov, or Oct–Dec; Q4 = Nov–Jan, Dec–Feb, or Jan–Mar. (2) Figures are for companies that had announced results (either full-year, Q1, Q2, or Q3) by 1 September 2022. (3) Excludes listed consolidated subsidiaries. (4) SP = switch to profits; SL = switch to losses; LS = losses shrinking; LI = losses increasing.

Source: Nomura

Fig. 10: Valuation indicators

| | | P/E | | | P/CF | | | P/B | | Dividend yield | | | ROE | | |
|------------------------------------------|-----------------------------------------------|-------|-------|-------|-------|-------|-------|------|-------|----------------|-------|-------|-------|-------|-------|
| | | FY22E | FY23E | FY24E | FY22E | FY23E | FY24E | FY21 | FY22E | FY22E | FY23E | FY24E | FY22E | FY23E | FY24E |
| | | x | x | x | x | x | x | x | x | % | % | % | % | % | % |
| Industrial groups | Russell/Nomura Large Cap | 13.9 | 12.9 | 12.4 | - | - | - | 1.36 | 1.29 | 2.47 | 2.61 | 2.76 | 9.6 | 9.7 | 9.6 |
| | Russell/Nomura Large Cap (ex loss-making cos) | 13.2 | 12.5 | 12.0 | - | - | - | 1.40 | 1.31 | 2.51 | 2.69 | 2.84 | 10.3 | 9.7 | 9.6 |
| | Russell/Nomura Large Cap (ex financials) | 14.5 | 13.5 | 13.1 | 8.3 | 7.9 | 7.8 | 1.52 | 1.43 | 2.30 | 2.40 | 2.52 | 10.2 | 10.2 | 10.0 |
| | Manufacturing | 14.5 | 13.8 | 13.1 | 8.7 | 8.4 | 8.1 | 1.58 | 1.50 | 2.27 | 2.41 | 2.58 | 10.6 | 10.5 | 10.5 |
| | Basic materials | 8.5 | 9.2 | 8.7 | 4.6 | 4.7 | 4.5 | 0.97 | 0.91 | 3.48 | 3.52 | 3.73 | 11.1 | 9.6 | 9.6 |
| | Processing | 14.3 | 13.2 | 12.8 | 8.9 | 8.3 | 8.2 | 1.56 | 1.46 | 2.11 | 2.30 | 2.48 | 10.5 | 10.6 | 10.6 |
| | Nonmanufacturing | 13.1 | 11.9 | 11.6 | - | - | - | 1.15 | 1.09 | 2.74 | 2.87 | 3.00 | 8.5 | 8.9 | 8.7 |
| | | 14.5 | 13.1 | 13.1 | 7.8 | 7.3 | 7.2 | 1.43 | 1.34 | 2.36 | 2.38 | 2.41 | 9.6 | 9.9 | 9.3 |
| Broad sectors | Basic materials | 8.5 | 9.2 | 8.7 | 4.6 | 4.7 | 4.5 | 0.97 | 0.91 | 3.48 | 3.52 | 3.73 | 11.1 | 9.6 | 9.6 |
| | Machinery, autos | 12.6 | 11.1 | 11.2 | 8.0 | 7.3 | 7.4 | 1.26 | 1.19 | 2.47 | 2.75 | 2.87 | 9.7 | 10.3 | 10.1 |
| | Electronics | 16.5 | 16.4 | 14.8 | 10.0 | 9.8 | 9.1 | 2.06 | 1.89 | 1.75 | 1.84 | 2.08 | 11.9 | 11.1 | 11.4 |
| | Consumption, distribution | 16.5 | 17.1 | 16.4 | 10.3 | 10.5 | 10.2 | 1.82 | 1.71 | 2.12 | 2.17 | 2.26 | 10.8 | 9.7 | 9.5 |
| | Information | 22.1 | 16.6 | 15.5 | 9.5 | 8.3 | 8.0 | 1.91 | 1.90 | 2.23 | 2.29 | 2.40 | 8.6 | 11.2 | 11.3 |
| | Utilities, infrastructure | 11.6 | 9.3 | 9.7 | 5.9 | 5.2 | 5.2 | 1.04 | 0.98 | 2.92 | 2.87 | 2.80 | 8.7 | 10.1 | 9.1 |
| | Financials | 9.3 | 8.5 | 7.8 | - | - | - | 0.62 | 0.61 | 4.36 | 4.96 | 5.49 | 6.6 | 7.0 | 7.3 |
| Sectors | Chemicals | 9.5 | 9.9 | 9.4 | 5.1 | 5.2 | 5.0 | 1.08 | 1.02 | 3.15 | 3.19 | 3.38 | 11.1 | 10.0 | 9.9 |
| | Steel, nonferrous metals | 5.5 | 6.5 | 6.1 | 3.0 | 3.2 | 3.1 | 0.64 | 0.58 | 5.25 | 5.27 | 5.59 | 10.9 | 8.6 | 8.7 |
| | Machinery | 17.9 | 16.5 | 15.5 | 11.2 | 10.5 | 10.0 | 1.75 | 1.63 | 1.93 | 2.12 | 2.28 | 9.3 | 9.5 | 9.6 |
| | Automobiles | 10.9 | 9.4 | 9.7 | 6.9 | 6.2 | 6.5 | 1.09 | 1.03 | 2.76 | 3.10 | 3.20 | 9.8 | 10.6 | 10.3 |
| | Electrical machinery, precision equipment | 16.5 | 16.4 | 14.8 | 10.0 | 9.8 | 9.1 | 2.06 | 1.89 | 1.75 | 1.84 | 2.08 | 11.9 | 11.1 | 11.4 |
| | Pharmaceuticals, healthcare | 23.3 | 21.6 | 19.7 | 14.0 | 13.8 | 13.1 | 2.32 | 2.38 | 2.00 | 2.08 | 2.14 | 10.4 | 10.7 | 11.2 |
| | Food products | 17.4 | 17.8 | 16.2 | 10.6 | 10.6 | 10.0 | 1.83 | 1.83 | 2.78 | 2.91 | 3.19 | 10.8 | 10.0 | 10.4 |
| | Household goods | 29.4 | 22.9 | 21.2 | 17.8 | 15.0 | 14.1 | 3.25 | 3.07 | 1.69 | 1.74 | 1.86 | 10.7 | 12.9 | 12.9 |
| | Trading companies | 6.4 | 7.8 | 8.1 | 4.5 | 5.1 | 5.1 | 1.03 | 0.89 | 3.89 | 3.91 | 3.95 | 15.0 | 11.0 | 9.9 |
| | Retailing | 25.2 | 24.9 | 23.0 | 12.2 | 11.8 | 11.1 | 2.60 | 2.63 | 1.32 | 1.34 | 1.40 | 10.7 | 10.2 | 10.3 |
| | Services | 25.6 | 23.4 | 22.6 | 15.7 | 14.8 | 14.4 | 1.55 | 1.42 | 1.26 | 1.30 | 1.32 | 5.9 | 5.9 | 5.9 |
| | Software | 22.2 | 23.2 | 23.0 | 19.0 | 19.6 | 19.3 | 3.97 | 3.83 | 2.22 | 2.09 | 2.09 | 17.7 | 15.8 | 14.7 |
| | Media | 17.8 | 15.8 | 15.6 | 11.1 | 10.3 | 10.1 | 1.73 | 1.63 | 2.32 | 2.32 | 2.39 | 9.4 | 10.0 | 9.5 |
| | Telecommunications | 22.5 | 14.5 | 13.3 | 7.5 | 6.3 | 6.1 | 1.51 | 1.53 | 2.23 | 2.39 | 2.55 | 6.7 | 10.3 | 10.7 |
| | Construction | 10.3 | 9.8 | 9.0 | 8.3 | 7.9 | 7.4 | 0.86 | 0.80 | 3.71 | 3.98 | 4.16 | 7.9 | 8.0 | 8.4 |
| | Housing, real estate | 11.0 | 10.4 | 9.9 | 7.8 | 7.4 | 7.1 | 1.17 | 1.07 | 2.96 | 3.21 | 3.41 | 10.1 | 10.0 | 9.8 |
| | Transportation | 7.9 | 8.5 | 10.1 | 4.8 | 5.0 | 5.4 | 1.29 | 1.13 | 2.86 | 2.50 | 2.13 | 15.1 | 12.7 | 9.8 |
| | Utilities | - | 9.2 | 8.5 | 5.4 | 2.6 | 2.5 | 0.56 | 0.59 | 2.61 | 2.65 | 2.73 | -4.6 | 6.3 | 6.5 |
| | Financials | 9.3 | 8.5 | 7.8 | - | - | - | 0.62 | 0.61 | 4.36 | 4.96 | 5.49 | 6.6 | 7.0 | 7.3 |
| Russell/Nomura Small Cap | | 13.2 | 12.5 | 12.2 | - | - | - | 0.95 | 0.94 | 2.47 | 2.52 | 2.58 | 7.3 | 7.4 | 7.2 |
| Russell/Nomura Small Cap (ex financials) | | 13.8 | 13.1 | 12.8 | 7.4 | 7.1 | 7.0 | 1.08 | 1.05 | 2.40 | 2.44 | 2.50 | 7.8 | 7.9 | 7.6 |

Note: As of 1 September 2022.

Source: Nomura

What are the Russell/Nomura Japan Equity Indexes?

The Russell/Nomura Japan Equity Indexes are Japanese equity indexes developed jointly by FTSE Russell Indexes and the Global Research Division, Financial Engineering & Technology Research Center, Nomura Securities Co., Ltd.

Russell/Nomura Japan Equity Indexes should be useful in:

- Determining investment strategies (strategic asset allocation)
- Determining manager structures
- Devising asset management benchmarks
- Supporting portfolio management activities
- Evaluating the performance of various investment styles
- Managing risk

Russell/Nomura Japan Equity Indexes have the following characteristics:

- They are share price indexes that are weighted by free-float-adjusted market capitalization and cover the top 98% of all listed stocks in terms of float-adjusted market capitalization, thereby offering broad market coverage
- Stocks are chosen from the whole Japanese stock market
- Because the indexes take into consideration the stable shareholding ratio, they reflect the stocks that are actually available for investment
- There are style indexes for large and small companies and for value and growth stocks
- The Prime Index consists of the top 1,000 stocks in the Total Market Index by market cap excluding stable shareholdings
- Stocks are selected quantitatively based on clearly defined criteria
- The composition of each index is reviewed once a year.

Complete details of rules for the Russell/Nomura Japan Equity Index can be found in the Russell/Nomura Japan Equity Index Rulebook.

The intellectual property right and any other rights, in Russell/Nomura Japan Equity Index belong to Nomura Securities Co., Ltd. ("Nomura") and Frank Russell Company ("Russell"). Nomura and Russell do not guarantee accuracy, completeness, reliability, usefulness, marketability, merchantability or fitness of the Index, and do not account for business activities or services that any index user and/or its affiliates undertakes with the use of the Index.

Analyst Certification

I, Japan Equity Research, hereby certify (1) that the views expressed in this Research report accurately reflect my personal views about any or all of the subject securities or issuers referred to in this Research report, (2) no part of my compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this Research report and (3) no part of my compensation is tied to any specific investment banking transactions performed by Nomura Securities International, Inc., Nomura International plc or any other Nomura Group company.

Important Disclosures

The lists of issuers that are affiliates or subsidiaries of Nomura Holdings Inc., the parent company of Nomura Securities Co., Ltd., issuers that have officers who concurrently serve as officers of Nomura Securities Co., Ltd., issuers in which the Nomura Group holds 1% or more of any class of common equity securities and issuers for which Nomura Securities Co., Ltd. has lead managed a public offering of equity or equity linked securities in the past 12 months are available at <https://www.nomuraholdings.com/report/>. Please contact the Research Production Operation Dept. of Nomura Securities Co., Ltd. for additional information.

Online availability of research and conflict-of-interest disclosures

Nomura Group research is available on www.nomuranow.com/research, Bloomberg, Capital IQ, Factset, Reuters and ThomsonOne. Important disclosures may be read at <http://go.nomuranow.com/research/globalresearchportal/pages/disclosures/disclosures.aspx> or requested from Nomura Securities International, Inc. If you have any difficulties with the website, please email grpsupport@nomura.com for help.

The analysts responsible for preparing this report have received compensation based upon various factors including the firm's total revenues, a portion of which is generated by Investment Banking activities. Unless otherwise noted, the non-US analysts listed at the front of this report are not registered/qualified as research analysts under FINRA rules, may not be associated persons of NSI, and may not be subject to FINRA Rule 2241 restrictions on communications with covered companies, public appearances, and trading securities held by a research analyst account.

Nomura Global Financial Products Inc. (NGFP) Nomura Derivative Products Inc. (NDP) and Nomura International plc. (Nlplc) are registered with the Commodities Futures Trading Commission and the National Futures Association (NFA) as swap dealers. NGFP, NDPI, and Nlplc are generally engaged in the trading of swaps and other derivative products, any of which may be the subject of this report.

Distribution of ratings (Nomura Group)

The distribution of all ratings published by Nomura Group Global Equity Research is as follows:

55% have been assigned a Buy rating which, for purposes of mandatory disclosures, are classified as a Buy rating; 40% of companies with this rating are investment banking clients of the Nomura Group*. 0% of companies (which are admitted to trading on a regulated market in the EEA) with this rating were supplied material services** by the Nomura Group.

42% have been assigned a Neutral rating which, for purposes of mandatory disclosures, is classified as a Hold rating; 60% of companies with this rating are investment banking clients of the Nomura Group*. 0% of companies (which are admitted to trading on a regulated market in the EEA) with this rating were supplied material services by the Nomura Group

3% have been assigned a Reduce rating which, for purposes of mandatory disclosures, are classified as a Sell rating; 8% of companies with this rating are investment banking clients of the Nomura Group*. 0% of companies (which are admitted to trading on a regulated market in the EEA) with this rating were supplied material services by the Nomura Group.

As at 30 June 2022.

*The Nomura Group as defined in the Disclaimer section at the end of this report.

** As defined by the EU Market Abuse Regulation

Definition of Nomura Group's equity research rating system and sectors

The rating system is a relative system, indicating expected performance against a specific benchmark identified for each individual stock, subject to limited management discretion. An analyst's target price is an assessment of the current intrinsic fair value of the stock based on an appropriate valuation methodology determined by the analyst. Valuation methodologies include, but are not limited to, discounted cash flow analysis, expected return on equity and multiple analysis. Analysts may also indicate expected absolute upside/downside relative to the stated target price, defined as (target price - current price)/current price.

STOCKS

A rating of **'Buy'**, indicates that the analyst expects the stock to outperform the Benchmark over the next 12 months. A rating of **'Neutral'**, indicates that the analyst expects the stock to perform in line with the Benchmark over the next 12 months. A rating of **'Reduce'**, indicates that the analyst expects the stock to underperform the Benchmark over the next 12 months. A rating of **'Suspended'**, indicates that the rating, target price and estimates have been suspended temporarily to comply with applicable regulations and/or firm policies. Securities and/or companies that are labelled as **'Not rated'** or shown as **'No rating'** are not in regular research coverage. Investors should not expect continuing or additional information from Nomura relating to such securities and/or companies. Benchmarks are as follows: **United States/Europe/Asia ex-Japan**: please see valuation methodologies for explanations of relevant benchmarks for stocks, which can be accessed at: <http://go.nomuranow.com/research/globalresearchportal/pages/disclosures/disclosures.aspx>; **Global Emerging Markets (ex-Asia)**: MSCI Emerging Markets ex-Asia, unless otherwise stated in the valuation methodology; **Japan**: Russell/Nomura Large Cap.

SECTORS

A **'Bullish'** stance, indicates that the analyst expects the sector to outperform the Benchmark during the next 12 months. A **'Neutral'** stance, indicates that the analyst expects the sector to perform in line with the Benchmark during the next 12 months. A **'Bearish'** stance, indicates that the analyst expects the sector to underperform the Benchmark during the next 12 months. Sectors that are labelled as **'Not rated'** or shown as **'N/A'** are not assigned ratings. Benchmarks are as follows: **United States**: S&P 500; **Europe**: Dow Jones STOXX 600; **Global Emerging Markets (ex-Asia)**: MSCI Emerging Markets ex-Asia. **Japan/Asia ex-Japan**: Sector ratings are not assigned.

Target Price

A Target Price, if discussed, indicates the analyst's forecast for the share price with a 12-month time horizon, reflecting in part the analyst's estimates for the company's earnings. The achievement of any target price may be impeded by general market and macroeconomic trends, and by other risks related to the company or the market, and may not occur if the company's earnings differ from estimates.

Disclaimers

This publication contains material that has been prepared by the Nomura Group entity identified on page 1 and, if applicable, with the contributions of one or more Nomura Group entities whose employees and their respective affiliations are specified on page 1 or identified elsewhere in this publication. The term "Nomura Group" used herein refers to Nomura Holdings, Inc. and its affiliates and subsidiaries including: (a) Nomura Securities Co., Ltd. ('NSC') Tokyo, Japan, (b) Nomura Financial Products Europe GmbH ('NFPE'), Germany, (c) Nomura International plc ('NIPc'), UK, (d) Nomura Securities International, Inc. ('NSI'), New York, US, (e) Nomura International (Hong Kong) Ltd. ('NIHK'), Hong Kong, (f) Nomura Financial Investment (Korea) Co., Ltd. ('NFIK'), Korea (Information on Nomura analysts registered with the Korea Financial Investment Association ('KOFIA') can be found on the KOFIA Intranet at <http://dis.kofia.or.kr>), (g) Nomura Singapore Ltd. ('NSL'), Singapore (Registration number 197201440E, regulated by the Monetary Authority of Singapore) (h) Nomura Australia Ltd. ('NAL'), Australia (ABN 48 003 032 513), regulated by the Australian Securities and Investment Commission ('ASIC') and holder of an Australian financial services licence number 246412, (i) Nomura Securities Malaysia Sdn. Bhd. ('NSM'), Malaysia, (j) NIHK, Taipei Branch ('NITB'), Taiwan, (k) Nomura Financial Advisory and Securities (India) Private Limited ('NFASL'), Mumbai, India (Registered Address: Ceejay House, Level 11, Plot F, Shivsagar Estate, Dr. Annie Besant Road, Worli, Mumbai- 400 018, India; Tel: 91 22 4037 4037, Fax: 91 22 4037 4111; CIN No: U74140MH2007PTC169116, SEBI Registration No. for Stock Broking activities : INZ000255633; SEBI Registration No. for Merchant Banking : INM000011419; SEBI Registration No. for Research: INH000001014. 'CNS Thailand' next to an analyst's name on the front page of a research report indicates that the analyst is employed by Capital Nomura Securities Public Company Limited ('CNS') to provide research assistance services to NSL under an agreement between CNS and NSL. 'NSFSPL' next to an employee's name on the front page of a research report indicates that the individual is employed by Nomura Structured Finance Services Private Limited to provide assistance to certain Nomura entities under inter-company agreements. 'Verdhana' next to an individual's name on the front page of a research report indicates that the individual is employed by PT Verdhana Sekuritas Indonesia ('Verdhana') to provide research assistance to NIHK under a research partnership agreement and neither Verdhana nor such individual is licensed outside of Indonesia. For the avoidance of doubt and for the purpose of disclosure, Nomura Orient International Securities Co., Ltd ("NOI"), a joint venture amongst Nomura Group, Orient International (Holding) Co., Ltd and Shanghai Huangpu Investment Holding (Group) Co., Ltd is excluded from the definition of Nomura Group. An individual name printed next to NOI on the front page of a research report indicates that individual is employed by NOI to provide research assistance to NIHK under a research partnership agreement and neither NOI or such individual is licensed outside of Mainland China, PRC. THIS MATERIAL IS: (I) FOR YOUR PRIVATE INFORMATION, AND WE ARE NOT SOLICITING ANY ACTION BASED UPON IT; (II) NOT TO BE CONSTRUED AS AN OFFER TO SELL OR A SOLICITATION OF AN OFFER TO BUY ANY SECURITIES IN ANY JURISDICTION WHERE SUCH OFFER OR SOLICITATION WOULD BE ILLEGAL; AND (III) OTHER THAN DISCLOSURES RELATING TO THE NOMURA GROUP, BASED UPON INFORMATION FROM SOURCES THAT WE CONSIDER RELIABLE, BUT HAS NOT BEEN INDEPENDENTLY VERIFIED BY NOMURA GROUP.

Other than disclosures relating to the Nomura Group, the Nomura Group does not warrant, represent or undertake, express or implied, that the document is fair, accurate, complete, correct, reliable or fit for any particular purpose or merchantable, and to the maximum extent permissible by law and/or regulation, does not accept liability (in negligence or otherwise, and in whole or in part) for any act (or decision not to act) resulting from use of this document and related data. To the maximum extent permissible by law and/or regulation, all warranties and other assurances by the Nomura Group are hereby excluded and the Nomura Group shall have no liability (in negligence or otherwise, and in whole or in part) for any loss howsoever arising from the use, misuse, or distribution of this material or the information contained in this material or otherwise arising in connection therewith.

Opinions or estimates expressed are current opinions as of the original publication date appearing on this material and the information, including the opinions and estimates contained herein, are subject to change without notice. The Nomura Group, however, expressly disclaims any obligation, and therefore is under no duty, to update or revise this document. Any comments or statements made herein are those of the author(s) and may differ from views held by other parties within Nomura Group. Clients should consider whether any advice or recommendation in this report is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. The Nomura Group does not provide tax advice.

The Nomura Group, and/or its officers, directors, employees and affiliates, may, to the extent permitted by applicable law and/or regulation, deal as principal, agent, or otherwise, or have long or short positions in, or buy or sell, the securities, commodities or instruments, or options or other derivative instruments based thereon, of issuers or securities mentioned herein. The Nomura Group companies may also act as market maker or liquidity provider (within the meaning of applicable regulations in the UK) in the financial instruments of the issuer. Where the activity of market maker is carried out in accordance with the definition given to it by specific laws and regulations of the US or other jurisdictions, this will be separately disclosed within the specific issuer disclosures.

This document may contain information obtained from third parties, including, but not limited to, ratings from credit ratings agencies such as Standard & Poor's. The Nomura Group hereby expressly disclaims all representations, warranties or undertakings of originality, fairness, accuracy, completeness, correctness, merchantability or fitness for a particular purpose with respect to any of the information obtained from third parties contained in this material or otherwise arising in connection therewith, and shall not be liable (in negligence or otherwise, and in whole or in part) for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use or misuse of any of the information obtained from third parties contained in this material or otherwise arising in connection therewith. Reproduction and distribution of third-party content in any form is prohibited except with the prior written permission of the related third-party. Third-party content providers do not, express or implied, guarantee the fairness, accuracy, completeness, correctness, timeliness or availability of any information, including ratings, and are not in any way responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use or misuse of such content. Third-party content providers give no express or implied warranties, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use. Third-party content providers shall not be liable (in negligence or otherwise, and in whole or in part) for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use or misuse of their content, including ratings. Credit ratings are statements of opinions and are not statements of fact or recommendations to purchase hold or sell securities. They do not address the suitability of securities or the suitability of securities for investment purposes, and should not be relied on as investment advice. Any MSCI sourced information in this document is the exclusive property of MSCI Inc. ('MSCI'). Without prior written permission of MSCI, this information and any other MSCI intellectual property may not be duplicated, reproduced, re-disseminated, redistributed or used, in whole or in part, for any purpose whatsoever, including creating any financial products and any indices. This information is provided on an "as is" basis. The user assumes the entire risk of any use made of this information. MSCI, its affiliates and any third party involved in, or related to, computing or compiling the information hereby expressly disclaim all representations, warranties or undertakings of originality, fairness, accuracy, completeness, correctness, merchantability or fitness for a particular purpose with respect to any of this material or the information contained in this material or otherwise arising in connection therewith. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any third party involved in, or related to, computing or compiling the information have any liability (in negligence or otherwise, and in whole or in part) for any damages of any kind. MSCI and the MSCI indexes are services marks of MSCI and its affiliates.

The intellectual property rights and any other rights, in Russell/Nomura Japan Equity Index belong to Nomura Securities Co., Ltd. ("Nomura") and Frank Russell Company ("Russell"). Nomura and Russell do not guarantee fairness, accuracy, completeness, correctness, reliability,

usefulness, marketability, merchantability or fitness of the Index, and do not account for business activities or services that any index user and/or its affiliates undertakes with the use of the Index.

Investors should consider this document as only a single factor in making their investment decision and, as such, the report should not be viewed as identifying or suggesting all risks, direct or indirect, that may be associated with any investment decision. Nomura Group produces a number of different types of research product including, among others, fundamental analysis and quantitative analysis; recommendations contained in one type of research product may differ from recommendations contained in other types of research product, whether as a result of differing time horizons, methodologies or otherwise. The Nomura Group publishes research product in a number of different ways including the posting of product on the Nomura Group portals and/or distribution directly to clients. Different groups of clients may receive different products and services from the research department depending on their individual requirements.

Figures presented herein may refer to past performance or simulations based on past performance which are not reliable indicators of future or likely performance. Where the information contains an expectation, projection or indication of future performance and business prospects, such forecasts may not be a reliable indicator of future or likely performance. Moreover, simulations are based on models and simplifying assumptions which may oversimplify and not reflect the future distribution of returns. Any figure, strategy or index created and published for illustrative purposes within this document is not intended for "use" as a "benchmark" as defined by the European Benchmark Regulation. Certain securities are subject to fluctuations in exchange rates that could have an adverse effect on the value or price of, or income derived from, the investment.

With respect to Fixed Income Research: Recommendations fall into two categories: tactical, which typically last up to three months; or strategic, which typically last from 6-12 months. However, trade recommendations may be reviewed at any time as circumstances change. 'Stop loss' levels for trades are also provided; which, if hit, closes the trade recommendation automatically. Prices and yields shown in recommendations are taken at the time of submission for publication and are based on either indicative Bloomberg, Reuters or Nomura prices and yields at that time. The prices and yields shown are not necessarily those at which the trade recommendation can be implemented.

The securities described herein may not have been registered under the US Securities Act of 1933 (the '1933 Act'), and, in such case, may not be offered or sold in the US or to US persons unless they have been registered under the 1933 Act, or except in compliance with an exemption from the registration requirements of the 1933 Act. Unless governing law permits otherwise, any transaction should be executed via a Nomura entity in your home jurisdiction.

This document has been approved for distribution in the UK as investment research by Nlplc. Nlplc is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority. Nlplc is a member of the London Stock Exchange. This document does not constitute a personal recommendation within the meaning of applicable regulations in the UK, or take into account the particular investment objectives, financial situations, or needs of individual investors. This document is intended only for investors who are 'eligible counterparties' or 'professional clients' for the purposes of applicable regulations in the UK, and may not, therefore, be redistributed to persons who are 'retail clients' for such purposes.

This document has been approved for distribution in the European Economic Area as investment research by Nomura Financial Products Europe GmbH ("NFPE"). NFPE is a company organized as a limited liability company under German law registered in the Commercial Register of the Court of Frankfurt/Main under HRB 110223. NFPE is authorized and regulated by the German Federal Financial Supervisory Authority (BaFin).

This document has been approved by NlHK, which is regulated by the Hong Kong Securities and Futures Commission, for distribution in Hong Kong by NlHK. This document is intended only for investors who are 'professional investors' for the purposes of applicable regulations in Hong Kong and may not, therefore, be redistributed to persons who are not 'professional investors' for such purposes.

This document has been approved for distribution in Australia by NAL, which is authorized and regulated in Australia by the ASIC.

This document has also been approved for distribution in Malaysia by NSM.

In Singapore, this document has been distributed by NSL, an exempt financial adviser as defined under the Financial Advisers Act (Chapter 110), among other things, and regulated by the Monetary Authority of Singapore. NSL may distribute this document produced by its foreign affiliates pursuant to an arrangement under Regulation 32C of the Financial Advisers Regulations. Where the recipient of this document is not an accredited, expert or institutional investor as defined by the Securities and Futures Act (Chapter 289), NSL accepts legal responsibility for the contents of this document in respect of such recipient only to the extent required by law. Recipients of this document in Singapore should contact NSL in respect of matters arising from, or in connection with, this document. THIS DOCUMENT IS INTENDED FOR GENERAL CIRCULATION. IT DOES NOT TAKE INTO ACCOUNT THE SPECIFIC INVESTMENT OBJECTIVES, FINANCIAL SITUATION OR PARTICULAR NEEDS OF ANY PARTICULAR PERSON. RECIPIENTS SHOULD TAKE INTO ACCOUNT THEIR SPECIFIC INVESTMENT OBJECTIVES, FINANCIAL SITUATION OR PARTICULAR NEEDS BEFORE MAKING A COMMITMENT TO PURCHASE ANY SECURITIES, INCLUDING SEEKING ADVICE FROM AN INDEPENDENT FINANCIAL ADVISER REGARDING THE SUITABILITY OF THE INVESTMENT, UNDER A SEPARATE ENGAGEMENT, AS THE RECIPIENT DEEMS FIT.

Unless prohibited by the provisions of Regulation S of the 1933 Act, this material is distributed in the US, by NSI, a US-registered broker-dealer, which accepts responsibility for its contents in accordance with the provisions of Rule 15a-6, under the US Securities Exchange Act of 1934.

The entity that prepared this document permits its separately operated affiliates within the Nomura Group to make copies of such documents available to their clients.

This document has not been approved for distribution to persons other than 'Authorised Persons', 'Exempt Persons' or 'Institutions' (as defined by the Capital Markets Authority) in the Kingdom of Saudi Arabia ('Saudi Arabia') or a 'Market Counterparty' or a 'Professional Client' (as defined by the Dubai Financial Services Authority) in the United Arab Emirates ('UAE') or a 'Market Counterparty' or a 'Business Customer' (as defined by the Qatar Financial Centre Regulatory Authority) in the State of Qatar ('Qatar') by Nomura Saudi Arabia, Nlplc or any other member of the Nomura Group, as the case may be. Neither this document nor any copy thereof may be taken or transmitted or distributed, directly or indirectly, by any person other than those authorised to do so into Saudi Arabia or in the UAE or in Qatar or to any person other than 'Authorised Persons', 'Exempt Persons' or 'Institutions' located in Saudi Arabia or a 'Market Counterparty' or a 'Professional Client' in the UAE or a 'Market Counterparty' or a 'Business Customer' in Qatar. Any failure to comply with these restrictions may constitute a violation of the laws of the UAE or Saudi Arabia or Qatar.

For report with reference of TAIWAN public companies or authored by Taiwan based research analyst:

THIS DOCUMENT IS SOLELY FOR REFERENCE ONLY. You should independently evaluate the investment risks and are solely responsible for your investment decisions. NO PORTION OF THE REPORT MAY BE REPRODUCED OR QUOTED BY THE PRESS OR ANY OTHER PERSON WITHOUT WRITTEN AUTHORIZATION FROM NOMURA GROUP. Pursuant to Operational Regulations Governing Securities Firms Recommending Trades in Securities to Customers and/or other applicable laws or regulations in Taiwan, you are prohibited to provide the reports to others (including but not limited to related parties, affiliated companies and any other third parties) or engage in any activities in connection with the reports which may involve conflicts of interests. INFORMATION ON SECURITIES / INSTRUMENTS NOT EXECUTABLE BY NOMURA INTERNATIONAL (HONG KONG) LTD., TAIPEI BRANCH IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT BE CONSTRUED AS A RECOMMENDATION OR A SOLICITATION TO TRADE IN SUCH SECURITIES / INSTRUMENTS.

This material may not be distributed in Indonesia or passed on within the territory of the Republic of Indonesia or to persons who are Indonesian citizens (wherever they are domiciled or located) or entities of or residents in Indonesia in a manner which constitutes a public offering under the laws of the Republic of Indonesia. The securities mentioned in this document may not be offered or sold in Indonesia or to persons who are

citizens of Indonesia (wherever they are domiciled or located) or entities of or residents in Indonesia in a manner which constitutes a public offering under the laws of the Republic of Indonesia.

This document is prepared by Nomura Group or its subsidiary or affiliate (collectively, "Offshore Issuers") that is not licensed in the People's Republic of China ("PRC", excluding Hong Kong, Macau and Taiwan, for the purpose of this document) to provide securities research and this research report is not approved or intended to be circulated in the PRC. The A-share related analysis (if any) is not produced for any persons located or incorporated in the PRC. The recipients should not rely on any information contained in the research report in making investment decisions and Offshore Issuers take no responsibility in this regard.

NO PART OF THIS MATERIAL MAY BE (I) COPIED, PHOTOCOPIED, REPRODUCED OR DUPLICATED IN ANY FORM, BY ANY MEANS; OR (II) REDISSEMINATED, REPUBLISHED OR REDISTRIBUTED WITHOUT THE PRIOR WRITTEN CONSENT OF A MEMBER OF THE NOMURA GROUP. If this document has been distributed by electronic transmission, such as e-mail, then such transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability (in negligence or otherwise, and in whole or in part) for any errors or omissions in the contents of this document, which may arise as a result of electronic transmission. If verification is required, please request a hard-copy version.

Disclaimers required in Japan

Credit ratings in the text that are marked with an asterisk (*) are issued by a rating agency not registered under Japan's Financial Instruments and Exchange Act ("Unregistered Ratings"). For details on Unregistered Ratings, please contact the Research Production Operation Dept. of Nomura Securities Co., Ltd.

Investors in the financial products offered by Nomura Securities may incur fees and commissions specific to those products (for example, transactions involving Japanese equities are subject to a sales commission (all figures on a tax-inclusive basis) of up to 1.43% of the transaction amount or a commission of ¥2,860 for transactions of ¥200,000 or less, while transactions involving investment trusts are subject to various fees, such as commissions at the time of purchase and asset management fees, such as commissions at the time of purchase and asset management fees (trust fees), specific to each investment trust).

In addition, all products carry the risk of losses owing to price fluctuations or other factors. Fees and risks vary by product. Please thoroughly read the written materials provided, such as documents delivered before making a contract, listed securities documents, or prospectuses. Transactions involving Japanese equities (including Japanese REITs, Japanese ETFs, and Japanese ETNs, Japanese Infrastructure Funds) are subject to a sales commission of up to 1.43% (tax included) of the transaction amount (or a commission of ¥2,860 (tax included) for transactions of ¥200,000 or less). When Japanese equities are purchased via OTC transactions (including offerings), only the purchase price shall be paid, with no sales commission charged. However, Nomura Securities may charge a separate fee for OTC transactions, as agreed with the customer. Japanese equities carry the risk of losses owing to price fluctuations. Japanese REITs carry the risk of losses owing to fluctuations in price and/or earnings of underlying real estate. Japanese ETFs and ETNs carry the risk of losses owing to fluctuations in the underlying indexes or other benchmarks. Japanese Infrastructure Funds carry out the risk of losses owing to fluctuations in price and/or earnings of underlying infrastructures.

Transactions involving foreign equities are subject to a domestic sales commission of up to 1.045% (tax included) of the transaction amount (which equals the local transaction amount plus local fees and taxes in the case of a purchase or the local transaction amount minus local fees and taxes in the case of a sale) (for transaction amounts of ¥750,000 and below, maximum domestic sales commission is ¥7,810 (tax included)). Local fees and taxes in foreign financial instruments markets vary by country/territory. When foreign equities are purchased via OTC transactions (including offerings), only the purchase price shall be paid, with no sales commission charged. However, Nomura Securities may charge a separate fee for OTC transactions, as agreed with the customer. Foreign equities carry the risk of losses owing to factors such as price fluctuations and foreign exchange rate fluctuations.

Margin transactions are subject to a sales commission of up to 1.43% (tax included) of the transaction amount (or a commission of ¥2,860 (tax included) for transactions of ¥200,000 or less), as well as management fees and rights handling fees. In addition, long margin transactions are subject to interest on the purchase amount, while short margin transactions are subject to fees for the lending of the shares borrowed. A margin equal to at least 30% of the transaction amount (at least 33% for online transactions) and at least ¥300,000 is required. With margin transactions, an amount up to roughly 3.3x the margin (roughly 3x for online transactions) may be traded. Margin transactions therefore carry the risk of losses in excess of the margin owing to share price fluctuations. For details, please thoroughly read the written materials provided, such as listed securities documents or documents delivered before making a contract.

Transactions involving convertible bonds are subject to a sales commission of up to 1.10% (tax included) of the transaction amount (or a commission of ¥4,400 (tax included) if this would be less than ¥4,400). When convertible bonds are purchased via OTC transactions (including offerings), only the purchase price shall be paid, with no sales commission charged. However, Nomura Securities may charge a separate fee for OTC transactions, as agreed with the customer. Convertible bonds carry the risk of losses owing to factors such as interest rate fluctuations and price fluctuations in the underlying stock. In addition, convertible bonds denominated in foreign currencies also carry the risk of losses owing to factors such as foreign exchange rate fluctuations.

When bonds are purchased via public offerings, secondary distributions, or other OTC transactions with Nomura Securities, only the purchase price shall be paid, with no sales commission charged. Bonds carry the risk of losses, as prices fluctuate in line with changes in market interest rates. Bond prices may also fall below the invested principal as a result of such factors as changes in the management and financial circumstances of the issuer, or changes in third-party valuations of the bond in question. In addition, foreign currency-denominated bonds also carry the risk of losses owing to factors such as foreign exchange rate fluctuations.

When Japanese government bonds (JGBs) for individual investors are purchased via public offerings, only the purchase price shall be paid, with no sales commission charged. As a rule, JGBs for individual investors may not be sold in the first 12 months after issuance. When JGBs for individual investors are sold before maturity, an amount calculated via the following formula will be subtracted from the par value of the bond plus accrued interest: (1) for 10-year variable rate bonds, an amount equal to the two preceding coupon payments (before tax) x 0.79685 will be used, (2) for 5-year and 3-year fixed rate bonds, an amount equal to the two preceding coupon payments (before tax) x 0.79685 will be used. When inflation-indexed JGBs are purchased via public offerings, secondary distributions (uridashi deals), or other OTC transactions with Nomura Securities, only the purchase price shall be paid, with no sales commission charged. Inflation-indexed JGBs carry the risk of losses, as prices fluctuate in line with changes in market interest rates and fluctuations in the nationwide consumer price index. The notional principal of inflation-indexed JGBs changes in line with the rate of change in nationwide CPI inflation from the time of its issuance. The amount of the coupon payment is calculated by multiplying the coupon rate by the notional principal at the time of payment. The maturity value is the amount of the notional principal when the issue becomes due. For JI17 and subsequent issues, the maturity value shall not undercut the face amount. Purchases of investment trusts (and sales of some investment trusts) are subject to a purchase or sales fee of up to 5.5% (tax included) of the transaction amount. Also, a direct cost that may be incurred when selling investment trusts is a fee of up to 2.0% of the unit price at the time of redemption. Indirect costs that may be incurred during the course of holding investment trusts include, for domestic investment trusts, an asset management fee (trust fee) of up to 5.5% (tax included/annualized basis) of the net assets in trust, as well as fees based on investment performance. Other indirect costs may also be incurred. For foreign investment trusts, indirect fees may be incurred during the course of holding such as investment company compensation.

Investment trusts invest mainly in securities such as Japanese and foreign equities and bonds, whose prices fluctuate. Investment trust unit prices fluctuate owing to price fluctuations in the underlying assets and to foreign exchange rate fluctuations. As such, investment trusts carry

the risk of losses. Fees and risks vary by investment trust. Maximum applicable fees are subject to change; please thoroughly read the written materials provided, such as prospectuses or documents delivered before making a contract.

In interest rate swap transactions and USD/JPY basis swap transactions ("interest rate swap transactions, etc."), only the agreed transaction payments shall be made on the settlement dates. Some interest rate swap transactions, etc. may require pledging of margin collateral. In some of these cases, transaction payments may exceed the amount of collateral. There shall be no advance notification of required collateral value or collateral ratios as they vary depending on the transaction. Interest rate swap transactions, etc. carry the risk of losses owing to fluctuations in market prices in the interest rate, currency and other markets, as well as reference indices. Losses incurred as such may exceed the value of margin collateral, in which case margin calls may be triggered. In the event that both parties agree to enter a replacement (or termination) transaction, the interest rates received (paid) under the new arrangement may differ from those in the original arrangement, even if terms other than the interest rates are identical to those in the original transaction. Risks vary by transaction. Please thoroughly read the written materials provided, such as documents delivered before making a contract and disclosure statements.

In OTC transactions of credit default swaps (CDS), no sales commission will be charged. When entering into CDS transactions, the protection buyer will be required to pledge or entrust an agreed amount of margin collateral. In some of these cases, the transaction payments may exceed the amount of margin collateral. There shall be no advance notification of required collateral value or collateral ratios as they vary depending on the financial position of the protection buyer. CDS transactions carry the risk of losses owing to changes in the credit position of some or all of the referenced entities, and/or fluctuations of the interest rate market. The amount the protection buyer receives in the event that the CDS is triggered by a credit event may undercut the total amount of premiums that he/she has paid in the course of the transaction. Similarly, the amount the protection seller pays in the event of a credit event may exceed the total amount of premiums that he/she has received in the transaction. All other conditions being equal, the amount of premiums that the protection buyer pays and that received by the protection seller shall differ. In principle, CDS transactions will be limited to financial instruments business operators and qualified institutional investors. Transfers of equities to another securities company via the Japan Securities Depository Center are subject to a transfer fee of up to ¥11,000 (tax included) per issue transferred depending on volume. No account fee will be charged for marketable securities or monies deposited.

Nomura Securities Co., Ltd.

Financial instruments firm registered with the Kanto Local Finance Bureau (registration No. 142)

Member associations: Japan Securities Dealers Association; Japan Investment Advisers Association; The Financial Futures Association of Japan; and Type II Financial Instruments Firms Association.

The Nomura Group manages conflicts with respect to the production of research through its compliance policies and procedures (including, but not limited to, Conflicts of Interest, Chinese Wall and Confidentiality policies) as well as through the maintenance of Chinese Walls and employee training.

Additional information regarding the methodologies or models used in the production of any investment recommendations contained within this document is available upon request by contacting the Research Analysts of Nomura listed on the front page. Disclosures information is available upon request and disclosure information is available at the Nomura Disclosure web

page: <http://go.nomuranow.com/research/globalresearchportal/pages/disclosures/disclosures.aspx>

Copyright © 2022 Nomura Securities Co., Ltd. All rights reserved.