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## Consolidated Financial Results for the Six Months Ended September 30, 2023 [Japanese GAAP]



November 9, 2023

Company name: Harmonic Drive Systems Inc.

Stock exchange listing: Tokyo Stock Exchange

Code number: 6324

URL: <https://www.hds.co.jp/english/>

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Scheduled date of filing quarterly securities report: November 13, 2023

Scheduled date of commencing dividend payments: December 4, 2023

Availability of supplementary explanatory materials on quarterly financial results: Available

Schedule of quarterly financial results briefing session: Scheduled (for analysts)

(Amounts less than one million yen are rounded down.)

### 1. Consolidated Financial Results for the Six Months Ended September 30, 2023 (April 1, 2023 – September 30, 2023)

(1) Consolidated Operating Results (% indicates changes from the previous corresponding period.)

|                                     | Net sales   |        | Operating profit |        | Ordinary profit |        | Profit attributable to owners of parent |        |
|-------------------------------------|-------------|--------|------------------|--------|-----------------|--------|-----------------------------------------|--------|
|                                     | Million yen | %      | Million yen      | %      | Million yen     | %      | Million yen                             | %      |
| Six months ended September 30, 2023 | 28,765      | (14.0) | 872              | (81.2) | 1,163           | (76.4) | 313                                     | (89.3) |
| September 30, 2022                  | 33,451      | 27.0   | 4,640            | 31.6   | 4,924           | 38.1   | 2,938                                   | 32.5   |

(Note) Comprehensive income: Six months ended September 30, 2023: ¥4,240 million [(32.1)%]

Six months ended September 30, 2022: ¥6,242 million [315.4 %]

|                                     | Basic earnings per share | Diluted earnings per share |
|-------------------------------------|--------------------------|----------------------------|
|                                     | Yen                      | Yen                        |
| Six months ended September 30, 2023 | 3.29                     | —                          |
| September 30, 2022                  | 30.74                    | —                          |

### (2) Consolidated Financial Position

|                          | Total assets | Net assets  | Equity ratio |
|--------------------------|--------------|-------------|--------------|
|                          | Million yen  | Million yen | %            |
| As of September 30, 2023 | 151,411      | 106,651     | 70.4         |
| As of March 31, 2023     | 154,336      | 103,955     | 67.4         |

(Reference) Equity: As of September 30, 2023: ¥106,651 million

As of March 31, 2023: ¥103,955 million

## 2. Dividends

|                                                    | Annual dividends   |                    |                    |              |              |
|----------------------------------------------------|--------------------|--------------------|--------------------|--------------|--------------|
|                                                    | 1st<br>quarter-end | 2nd<br>quarter-end | 3rd<br>quarter-end | Year-end     | Total        |
| Fiscal year ended<br>March 31, 2023                | Yen<br>—           | Yen<br>11.00       | Yen<br>—           | Yen<br>17.00 | Yen<br>28.00 |
| Fiscal year ending<br>March 31, 2024               | —                  | 10.00              |                    |              |              |
| Fiscal year ending<br>March 31, 2024<br>(Forecast) |                    |                    | —                  | 10.00        | 20.00        |

(Note) Revision to the forecast for dividends announced most recently: Yes

## 3. Consolidated Financial Results Forecast for the Fiscal Year Ending March 31, 2024 (April 1, 2023 – March 31, 2024)

(% indicates changes from the previous corresponding period.)

|           | Net sales   |        | Operating profit |   | Ordinary profit |   | Profit attributable<br>to owners of<br>parent | Basic earnings<br>per share |
|-----------|-------------|--------|------------------|---|-----------------|---|-----------------------------------------------|-----------------------------|
| Full year | Million yen | %      | Million yen      | % | Million yen     | % | Million yen                                   | Yen                         |
|           | 55,000      | (23.1) | (400)            | — | (200)           | — | (800)                                         | (8.41)                      |

(Note) Revision to the financial results forecast announced most recently: Yes

### \* Notes:

(1) Changes in significant subsidiaries during the period under review: None

(2) Accounting methods adopted particularly for the preparation of quarterly consolidated financial statements: None

(3) Changes in accounting policies, changes in accounting estimates and retrospective restatement

1) Changes in accounting policies due to the revision of accounting standards: None

2) Changes in accounting policies other than 1) above: None

3) Changes in accounting estimates: None

4) Retrospective restatement: None

(4) Total number of issued and outstanding shares (common shares)

1) Total number of issued and outstanding shares at the end of the period (including treasury shares):

September 30, 2023: 96,315,400 shares

March 31, 2023: 96,315,400 shares

2) Total number of treasury shares at the end of the period:

September 30, 2023: 1,234,249 shares

March 31, 2023: 1,251,002 shares

3) Average number of shares outstanding during the period:

Six months ended September 30, 2023: 95,069,982 shares

Six months ended September 30, 2022: 95,610,442 shares

\* These quarterly consolidated financial results are outside the scope of quarterly review by certified public accountants or an audit firm.

\* Explanation of the proper use of financial results forecasts and other notes

The financial results forecasts and other forward-looking statements contained herein are based on information currently available to the Company and certain assumptions deemed reasonable by the Company. These statements do not represent a guarantee from the Company that it will achieve such results. The actual financial results may differ significantly due to various factors. Refer to “1. Qualitative Information on Quarterly Financial Results (3) Explanation of Consolidated Financial Results Forecast and Other Forward-looking Information” on page 4 of the Attachments for conditions on which the financial results forecasts are premised and notes on the use of financial results forecasts.

## Table of Contents - Attachments

|                                                                                                        |    |
|--------------------------------------------------------------------------------------------------------|----|
| 1. Qualitative Information on Quarterly Financial Results .....                                        | 2  |
| (1) Explanation of Operating Results .....                                                             | 2  |
| (2) Explanation of Financial Position .....                                                            | 3  |
| (3) Explanation of Consolidated Financial Results Forecast and Other Forward-looking Information ..... | 4  |
| 2. Quarterly Consolidated Financial Statements and Principal Notes .....                               | 5  |
| (1) Quarterly Consolidated Balance Sheets .....                                                        | 5  |
| (2) Quarterly Consolidated Statements of Income and Comprehensive Income .....                         | 7  |
| (3) Quarterly Consolidated Statements of Cash Flows .....                                              | 9  |
| (4) Notes to Quarterly Consolidated Financial Statements .....                                         | 11 |
| (Notes on going concern assumption) .....                                                              | 11 |
| (Notes in case of significant changes in shareholders' equity) .....                                   | 11 |
| (Changes in accounting policies).....                                                                  | 11 |
| (Segment information, etc.) .....                                                                      | 12 |
| 3. Other Matters .....                                                                                 | 14 |
| (1) Status of Production, Orders Received and Sales .....                                              | 14 |
| (2) Net Sales outside Japan .....                                                                      | 15 |

## 1. Qualitative Information on Quarterly Financial Results

### (1) Explanation of Operating Results

During the six months ended September 30 (April 1, 2023 to September 30, 2023), future of the world economy remained uncertain, affected by factors such as the prolonged situation in Ukraine, worldwide inflation, and financial insecurity due to policy interest rate increases in countries around the globe. The business environment surrounding the Harmonic Drive Systems Group (hereinafter “the Group”) became tough owing to softness in capital investment trends in Chinese electronics and semiconductors, and the inventory adjustments of our products by customers and agencies of the Group.

Regarding net sales trends by application, net sales increased year on year for automotive applications resulting from a recovery of car production in line with an abatement of the worldwide semiconductor shortage. Meanwhile, net sales decreased for industrial robots, semiconductor manufacturing equipment, flat panel display manufacturing equipment, and other general industrial machinery applications.

As a result, net sales for the six months ended September 30, 2023 decreased by 14.0% year on year to ¥28,765 million.

In terms of profit and loss, depreciation cost increased as a result of investment made to enhance production capacity in Japan during the previous fiscal year. In addition, the lower operating rates of production plants in Japan during the fiscal year under review also affected the results, and operating profit decreased to ¥872 million, down 81.2% year on year. Profit attributable to owners of parent also decreased to ¥313 million, down 89.3% year on year, due to a decrease in operating profit and a reversal of deferred tax assets.

In terms of net sales by product group, speed reducers totaled ¥20,192 million, down 25.8% year on year, and mechatronics products reached ¥8,572 million, up 37.3% year on year. They accounted for 70.2% and 29.8% of the total net sales, respectively.

Financial results by segment are as follows.

#### (Japan)

Sales increased for automotive application resulting from a recovery of car production in line with a relaxation of the supply-demand balance for semiconductors. Meanwhile, demand declined for industrial robots, semiconductor manufacturing equipment, flat panel display manufacturing equipment, and other general industrial machinery applications owing to softness in capital investment trends in Chinese electronics and semiconductors, and the inventory adjustments of our products by customers and agencies of the Group. As a result, net sales decreased by 34.5% year on year to ¥14,056 million. Segment profit (ordinary profit) decreased by 29.1% year on year to ¥4,322 million resulting from the inclusion of dividend income from subsidiaries of ¥2,486 million recorded in non-operating income, despite the effects of decreased sales and the lower operating rates of production plants.

#### (North America)

Exchange rates of the yen remained weak, and demand increased for advanced medical applications (surgical robot-related) and amusement application. As a result, net sales increased by 46.0% year on year to ¥6,661 million. Segment profit (ordinary profit) increased by 88.4% year on year to ¥867 million due to the effect of increase in sales.

#### (Europe)

Exchange rates of the yen remained weak, and demand increased for cutting-edge semiconductor manufacturing equipment, despite a decrease in demand for industrial robots. As a result, net sales increased by 8.5% year on year to ¥8,047 million. Segment profit (ordinary profit) decreased by 75.1% year on year to ¥100 million due to the amortization cost of ¥928 million on intangible assets posted at the time of acquisition of shares in Harmonic Drive SE.

## (2) Explanation of Financial Position

### (Assets)

Total assets at the end of the second quarter of the fiscal year under review decreased by ¥2,924 million, down 1.9% from the end of the previous fiscal year to ¥151,411 million. This was primarily because of a 42.7% or ¥3,160 million decrease in notes receivable - trade from the end of the previous fiscal year resulting from a decrease in net sales, as well as a 16.0% or ¥1,767 million decrease in investment securities from the end of the previous fiscal year due to a decrease in market capitalization of securities held by the Company.

### (Liabilities)

Liabilities decreased by ¥5,621 million, down 11.2% from the end of the previous fiscal year to ¥44,759 million. This was primarily because of a 76.2% or ¥1,990 million decrease in short-term borrowings and a 7.0% or ¥1,248 million decrease in long-term borrowings resulting from repayments of borrowings, as well as a 74.9% or ¥784 million decrease in income taxes payable from the end of the previous fiscal year.

### (Net Assets)

Net assets increased by ¥2,696 million, up 2.6% from the end of the previous fiscal year to ¥106,651 million. This was primarily because of a 62.6% or ¥5,095 million increase in foreign currency translation adjustment from the end of the previous fiscal year due to the effect of exchange rate fluctuations, despite a 2.0% or ¥1,303 million decrease in retained earnings from the end of the previous fiscal year resulting from the payment of dividends of surplus and a 21.0% or ¥1,226 million decrease in valuation difference on available-for-sale securities from the end of the previous fiscal year resulting from market valuation of investment securities.

As a result, equity ratio rose from 67.4% at the end of the previous fiscal year to 70.4%.

### (Status of Cash Flows)

Cash and cash equivalents as of September 30, 2023 totaled ¥18,985 million, down ¥936 million from the end of the previous fiscal year.

The status of cash flows by category during the six months ended September 30, 2023 is as follows.

### (Cash Flows from Operating Activities)

Operating activities in the six months ended September 30, 2023 provided net cash of ¥8,246 million, compared with net cash provided of ¥2,298 million in the same period of the previous fiscal year.

This was primarily because the Company recorded ¥2,164 million used for income taxes paid, which was partially offset by ¥4,565 million provided from a decrease in trade receivables and depreciation of ¥4,373 million.

### (Cash Flows from Investing Activities)

Investing activities in the six months ended September 30, 2023 used net cash of ¥4,379 million, compared with net cash used of ¥3,275 million in the same period of the previous fiscal year.

This was primarily because of ¥2,810 million used for purchase of property, plant and equipment, and ¥1,291 million used for payments into time deposits.

### (Cash Flows from Financing Activities)

Financing activities in the six months ended September 30, 2023 used net cash of ¥5,164 million, compared with net cash used of ¥2,280 million in the same period of the previous fiscal year.

This was primarily because of ¥1,210 million provided from the proceeds from short-term borrowings, which was partially offset by ¥3,200 million used for repayments of short-term borrowings, ¥1,614 million used in dividends paid, and ¥1,308 million used for repayments of long-term borrowings.

(3) Explanation of Consolidated Financial Results Forecast and Other Forward-looking Information

The Group had disclosed a forecast only for the first six months of the fiscal year ending March 31, 2024 as we see difficulties in precisely predicting when the full-scale pick-up in orders received will occur. However, the Group disclosed the forecast for the full fiscal year, considering the financial results of the six months ended September 30, 2023, as well as the current business environment and forecast for demand and current trend in orders received. For more information, refer to “Notice Regarding Differences Between the Financial Results Forecast and the Actual Results for the Six Months Ended September 30, 2023, Revision to the Financial Results Forecast for the Fiscal Year Ending March 31, 2024, and Revision to the Year-End Dividend Forecast” disclosed on November 9, 2023.

## 2. Quarterly Consolidated Financial Statements and Principal Notes

### (1) Quarterly Consolidated Balance Sheets

(Thousands of yen)

|                                                             | As of March 31, 2023 | As of September 30, 2023 |
|-------------------------------------------------------------|----------------------|--------------------------|
| <b>Assets</b>                                               |                      |                          |
| Current assets                                              |                      |                          |
| Cash and deposits                                           | 20,783,570           | 21,255,317               |
| Notes receivable - trade                                    | 7,408,386            | 4,248,383                |
| Accounts receivable - trade                                 | 10,165,121           | 9,268,727                |
| Securities                                                  | 28,840               | 29,113                   |
| Merchandise and finished goods                              | 2,014,249            | 2,950,506                |
| Work in process                                             | 3,658,753            | 3,468,892                |
| Raw materials and supplies                                  | 6,828,695            | 6,797,206                |
| Other                                                       | 1,307,220            | 1,522,618                |
| Allowance for doubtful accounts                             | (19,356)             | (23,523)                 |
| Total current assets                                        | 52,175,480           | 49,517,242               |
| Non-current assets                                          |                      |                          |
| Property, plant and equipment                               |                      |                          |
| Buildings and structures, net                               | 19,423,071           | 19,502,709               |
| Machinery, equipment and vehicles, net                      | 17,337,080           | 16,985,518               |
| Tools, furniture and fixtures, net                          | 1,843,670            | 1,768,934                |
| Other, net                                                  | 10,323,026           | 10,129,633               |
| Total property, plant and equipment                         | 48,926,847           | 48,386,795               |
| Intangible assets                                           |                      |                          |
| Goodwill                                                    | 15,258,139           | 15,953,105               |
| Software                                                    | 191,453              | 195,569                  |
| Customer related assets                                     | 19,489,904           | 20,377,615               |
| Technical assets                                            | 5,205,468            | 5,442,562                |
| Other                                                       | 187,939              | 230,858                  |
| Total intangible assets                                     | 40,332,904           | 42,199,711               |
| Investments and other assets                                |                      |                          |
| Investment securities                                       | 11,044,878           | 9,277,348                |
| Shares of subsidiaries and associates                       | 89,956               | 65,166                   |
| Long-term loans receivable from subsidiaries and associates | —                    | 200,000                  |
| Retirement benefit asset                                    | 1,191,060            | 1,221,862                |
| Deferred tax assets                                         | 439,351              | 413,086                  |
| Other                                                       | 141,366              | 135,644                  |
| Allowance for doubtful accounts                             | (5,600)              | (5,600)                  |
| Total investments and other assets                          | 12,901,013           | 11,307,508               |
| Total non-current assets                                    | 102,160,765          | 101,894,016              |
| Total assets                                                | 154,336,246          | 151,411,258              |

(Thousands of yen)

|                                                                      | As of March 31, 2023 | As of September 30, 2023 |
|----------------------------------------------------------------------|----------------------|--------------------------|
| <b>Liabilities</b>                                                   |                      |                          |
| Current liabilities                                                  |                      |                          |
| Notes and accounts payable - trade                                   | 3,596,434            | 3,130,011                |
| Short-term borrowings                                                | 2,610,183            | 620,000                  |
| Current portion of long-term borrowings                              | 2,569,064            | 2,560,666                |
| Lease liabilities                                                    | 583,255              | 630,913                  |
| Income taxes payable                                                 | 1,046,412            | 262,297                  |
| Provision for bonuses                                                | 1,471,732            | 814,655                  |
| Provision for bonuses for directors (and other officers)             | 351,669              | 52,093                   |
| Provision for loss on compensation for after-care of products        | 64,009               | 113,029                  |
| Other                                                                | 4,174,756            | 3,724,417                |
| Total current liabilities                                            | 16,467,518           | 11,908,084               |
| Non-current liabilities                                              |                      |                          |
| Long-term borrowings                                                 | 17,766,840           | 16,518,654               |
| Lease liabilities                                                    | 3,836,603            | 3,833,382                |
| Deferred tax liabilities                                             | 10,003,116           | 10,167,934               |
| Provision for retirement benefits for directors (and other officers) | 12,000               | 19,200                   |
| Other provisions                                                     | 80,260               | 91,892                   |
| Retirement benefit liability                                         | 750,593              | 817,939                  |
| Other                                                                | 1,463,654            | 1,402,190                |
| Total non-current liabilities                                        | 33,913,069           | 32,851,195               |
| Total liabilities                                                    | 50,380,587           | 44,759,280               |
| <b>Net assets</b>                                                    |                      |                          |
| Shareholders' equity                                                 |                      |                          |
| Share capital                                                        | 7,100,036            | 7,100,036                |
| Capital surplus                                                      | 22,773,595           | 22,778,711               |
| Retained earnings                                                    | 64,852,655           | 63,549,583               |
| Treasury shares                                                      | (4,978,535)          | (4,911,865)              |
| Total shareholders' equity                                           | 89,747,751           | 88,516,466               |
| Accumulated other comprehensive income                               |                      |                          |
| Valuation difference on available-for-sale securities                | 5,845,310            | 4,619,161                |
| Foreign currency translation adjustment                              | 8,146,088            | 13,242,014               |
| Remeasurements of defined benefit plans                              | 216,507              | 274,335                  |
| Total accumulated other comprehensive income                         | 14,207,906           | 18,135,512               |
| Total net assets                                                     | 103,955,658          | 106,651,978              |
| Total liabilities and net assets                                     | 154,336,246          | 151,411,258              |

(2) Quarterly Consolidated Statements of Income and Comprehensive Income  
Quarterly Consolidated Statement of Income

(Thousands of yen)

|                                                               | For the six months ended<br>September 30, 2022 | For the six months ended<br>September 30, 2023 |
|---------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Net sales                                                     | 33,451,614                                     | 28,765,131                                     |
| Cost of sales                                                 | 21,335,331                                     | 20,204,921                                     |
| Gross profit                                                  | 12,116,283                                     | 8,560,210                                      |
| Selling, general and administrative expenses                  | 7,475,517                                      | 7,687,544                                      |
| Operating profit                                              | 4,640,765                                      | 872,666                                        |
| Non-operating income                                          |                                                |                                                |
| Interest income                                               | 2,451                                          | 35,774                                         |
| Dividend income                                               | 129,029                                        | 132,952                                        |
| Share of profit of entities accounted for using equity method | 4,784                                          | —                                              |
| Foreign exchange gains                                        | 361,061                                        | 163,515                                        |
| Other                                                         | 101,887                                        | 153,610                                        |
| Total non-operating income                                    | 599,214                                        | 485,853                                        |
| Non-operating expenses                                        |                                                |                                                |
| Interest expenses                                             | 75,668                                         | 85,334                                         |
| Sales discounts                                               | 7,689                                          | —                                              |
| Share of loss of entities accounted for using equity method   | —                                              | 24,789                                         |
| Commission for purchase of treasury shares                    | 116,897                                        | —                                              |
| Rental expenses                                               | 72,103                                         | 58,075                                         |
| Other                                                         | 42,626                                         | 26,570                                         |
| Total non-operating expenses                                  | 314,984                                        | 194,769                                        |
| Ordinary profit                                               | 4,924,995                                      | 1,163,749                                      |
| Extraordinary income                                          |                                                |                                                |
| Gain on sale of non-current assets                            | 767                                            | 6,660                                          |
| Subsidy income                                                | 2,000                                          | —                                              |
| Total extraordinary income                                    | 2,767                                          | 6,660                                          |
| Extraordinary losses                                          |                                                |                                                |
| Loss on sale of non-current assets                            | —                                              | 422                                            |
| Loss on retirement of non-current assets                      | 38,495                                         | 4,463                                          |
| Loss on tax purpose reduction entry of non-current assets     | 2,000                                          | —                                              |
| Special extra for retirement payments                         | 501,537                                        | —                                              |
| Total extraordinary losses                                    | 542,033                                        | 4,886                                          |
| Profit before income taxes                                    | 4,385,729                                      | 1,165,523                                      |
| Income taxes - current                                        | 1,579,395                                      | 764,601                                        |
| Income taxes - deferred                                       | (132,644)                                      | 87,900                                         |
| Total income taxes                                            | 1,446,750                                      | 852,501                                        |
| Profit                                                        | 2,938,978                                      | 313,022                                        |
| Profit attributable to non-controlling interests              | —                                              | —                                              |
| Profit attributable to owners of parent                       | 2,938,978                                      | 313,022                                        |

# Quarterly Consolidated Statement of Comprehensive Income

(Thousands of yen)

|                                                                | For the six months ended<br>September 30, 2022 | For the six months ended<br>September 30, 2023 |
|----------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Profit                                                         | 2,938,978                                      | 313,022                                        |
| Other comprehensive income                                     |                                                |                                                |
| Valuation difference on available-for-sale securities          | (763,620)                                      | (1,226,149)                                    |
| Foreign currency translation adjustment                        | 4,055,149                                      | 5,095,926                                      |
| Remeasurements of defined benefit plans, net of tax            | 12,328                                         | 57,828                                         |
| Total other comprehensive income                               | 3,303,858                                      | 3,927,605                                      |
| Comprehensive income                                           | 6,242,836                                      | 4,240,628                                      |
| Comprehensive income attributable to                           |                                                |                                                |
| Comprehensive income attributable to owners of parent          | 6,242,836                                      | 4,240,628                                      |
| Comprehensive income attributable to non-controlling interests | —                                              | —                                              |

### (3) Quarterly Consolidated Statements of Cash Flows

(Thousands of yen)

|                                                                                             | For the six months ended<br>September 30, 2022 | For the six months ended<br>September 30, 2023 |
|---------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Cash flows from operating activities                                                        |                                                |                                                |
| Profit before income taxes                                                                  | 4,385,729                                      | 1,165,523                                      |
| Depreciation                                                                                | 3,902,032                                      | 4,373,289                                      |
| Amortization of goodwill                                                                    | 518,793                                        | 573,616                                        |
| Increase (decrease) in allowance for doubtful accounts                                      | (2,238)                                        | 1,847                                          |
| Increase (decrease) in retirement benefit liability                                         | (154,943)                                      | (35,608)                                       |
| Increase (decrease) in provision for retirement benefits for directors (and other officers) | (484,413)                                      | 7,200                                          |
| Increase (decrease) in provision for operating officers' retirement benefits                | (59,340)                                       | 11,632                                         |
| Increase (decrease) in provision for bonuses for directors (and other officers)             | (119,394)                                      | (305,313)                                      |
| Increase (decrease) in provision for loss on compensation for after-care of products        | 3,462                                          | 44,202                                         |
| Interest income                                                                             | (2,451)                                        | (35,774)                                       |
| Dividend income                                                                             | (129,029)                                      | (132,952)                                      |
| Interest expenses                                                                           | 75,668                                         | 85,334                                         |
| Share of loss (profit) of entities accounted for using equity method                        | (4,784)                                        | 24,789                                         |
| Subsidy income                                                                              | (2,000)                                        | —                                              |
| Loss (gain) on sale of non-current assets                                                   | (767)                                          | (6,237)                                        |
| Loss on retirement of non-current assets                                                    | 38,495                                         | 4,463                                          |
| Loss on tax purpose reduction entry of non-current assets                                   | 2,000                                          | —                                              |
| Decrease (increase) in trade receivables                                                    | (1,515,734)                                    | 4,565,064                                      |
| Decrease (increase) in inventories                                                          | (2,529,716)                                    | 137,438                                        |
| Increase (decrease) in trade payables                                                       | 347,298                                        | (654,932)                                      |
| Other, net                                                                                  | 786,792                                        | 319,183                                        |
| Subtotal                                                                                    | 5,055,459                                      | 10,142,766                                     |
| Interest and dividends received                                                             | 131,449                                        | 168,429                                        |
| Subsidies received                                                                          | 2,000                                          | —                                              |
| Interest paid                                                                               | (88,273)                                       | (88,577)                                       |
| Income taxes paid                                                                           | (2,946,687)                                    | (2,164,676)                                    |
| Income taxes refund                                                                         | 144,844                                        | 188,245                                        |
| Net cash provided by (used in) operating activities                                         | 2,298,791                                      | 8,246,187                                      |
| Cash flows from investing activities                                                        |                                                |                                                |
| Purchase of property, plant and equipment                                                   | (2,862,183)                                    | (2,810,567)                                    |
| Proceeds from sale of property, plant and equipment                                         | 1,522                                          | 14,700                                         |
| Purchase of intangible assets                                                               | (55,024)                                       | (96,198)                                       |
| Payments into time deposits                                                                 | (1,312,519)                                    | (1,291,819)                                    |
| Proceeds from withdrawal of time deposits                                                   | 956,452                                        | —                                              |
| Payments of leasehold and guarantee deposits                                                | (4,984)                                        | (3,280)                                        |
| Proceeds from refund of leasehold and guarantee deposits                                    | 981                                            | 7,180                                          |
| Loan advances to subsidiaries and associates                                                | —                                              | (200,000)                                      |
| Other, net                                                                                  | 240                                            | 240                                            |
| Net cash provided by (used in) investing activities                                         | (3,275,515)                                    | (4,379,743)                                    |

(Thousands of yen)

|                                                             | For the six months ended<br>September 30, 2022 | For the six months ended<br>September 30, 2023 |
|-------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Cash flows from financing activities                        |                                                |                                                |
| Proceeds from short-term borrowings                         | 5,700,000                                      | 1,210,094                                      |
| Repayments of short-term borrowings                         | (700,000)                                      | (3,200,189)                                    |
| Proceeds from long-term borrowings                          | —                                              | 50,000                                         |
| Repayments of long-term borrowings                          | (972,380)                                      | (1,308,782)                                    |
| Repayments of lease liabilities                             | (255,750)                                      | (301,620)                                      |
| Purchase of treasury shares                                 | (5,000,000)                                    | —                                              |
| Dividends paid                                              | (1,052,522)                                    | (1,614,289)                                    |
| Net cash provided by (used in) financing activities         | (2,280,653)                                    | (5,164,786)                                    |
| Effect of exchange rate change on cash and cash equivalents | 490,066                                        | 362,294                                        |
| Net increase (decrease) in cash and cash equivalents        | (2,767,310)                                    | (936,047)                                      |
| Cash and cash equivalents at beginning of period            | 18,767,531                                     | 19,921,977                                     |
| Cash and cash equivalents at end of period                  | 16,000,221                                     | 18,985,929                                     |

(4) Notes to Quarterly Consolidated Financial Statements

(Notes on going concern assumption)

Not applicable.

(Notes in case of significant changes in shareholders' equity)

Not applicable.

(Changes in accounting policies)

Not applicable.

(Segment information, etc.)

[Segment information]

I For the six months ended September 30, 2022 (from April 1, 2022 to September 30, 2022)

1. Information on net sales and profit, and information on disaggregation of revenue, by reportable segment

(Thousands of yen)

|                                       | Reportable segment |               |           |            | Adjustment  | Consolidated |
|---------------------------------------|--------------------|---------------|-----------|------------|-------------|--------------|
|                                       | Japan              | North America | Europe    | Total      |             |              |
| Net sales                             |                    |               |           |            |             |              |
| Revenue from contracts with customers | 24,575,394         | 4,570,812     | 7,789,302 | 36,935,510 | (3,483,895) | 33,451,614   |
| Net sales to third parties            | 21,468,829         | 4,563,487     | 7,419,298 | 33,451,614 | —           | 33,451,614   |
| Inter-segment net sales or transfers  | 3,106,565          | 7,325         | 370,004   | 3,483,895  | (3,483,895) | —            |
| Total                                 | 24,575,394         | 4,570,812     | 7,789,302 | 36,935,510 | (3,483,895) | 33,451,614   |
| Segment profit                        | 6,098,200          | 460,554       | 404,239   | 6,962,994  | (2,037,999) | 4,924,995    |

(Notes) 1. The segment profit adjustment of ¥(2,037,999) thousand includes the eliminated inter-segment transaction profit of ¥(813,240) thousand and the general administrative expenses that are not allocated to any reportable segment, totaling ¥(1,224,759) thousand. The general administrative expenses that are not allocated to any reportable segment consist mainly of the basic research and development expenses and certain administrative expenses related to the General Affairs and Accounting Department.

2. The “Japan” segment includes the net sales and expenses related to the European and Asian markets, in addition to the Japanese market.

3. The “North America” segment includes net sales of ¥3,802,855 thousand originating from the United States of America, which represents 10% or more of net sales recorded on the consolidated statements of income.

4. Segment profit is adjusted to ordinary profit in the quarterly consolidated statements of income.

II For the six months ended September 30, 2023 (from April 1, 2023 to September 30, 2023)

1. Information on net sales and profit, and information on disaggregation of revenue, by reportable segment

(Thousands of yen)

|                                       | Reportable segment |               |           |            | Adjustment  | Consolidated |
|---------------------------------------|--------------------|---------------|-----------|------------|-------------|--------------|
|                                       | Japan              | North America | Europe    | Total      |             |              |
| Net sales                             |                    |               |           |            |             |              |
| Revenue from contracts with customers | 16,531,612         | 6,669,477     | 8,207,926 | 31,409,016 | (2,643,884) | 28,765,131   |
| Net sales to third parties            | 14,056,207         | 6,661,397     | 8,047,526 | 28,765,131 | —           | 28,765,131   |
| Inter-segment net sales or transfers  | 2,475,404          | 8,080         | 160,399   | 2,643,884  | (2,643,884) | —            |
| Total                                 | 16,531,612         | 6,669,477     | 8,207,926 | 31,409,016 | (2,643,884) | 28,765,131   |
| Segment profit                        | 4,322,075          | 867,839       | 100,792   | 5,290,707  | (4,126,957) | 1,163,749    |

(Notes) 1. The segment profit adjustment of ¥(4,126,957) thousand includes the eliminated inter-segment transaction profit of ¥(2,978,590) thousand and the general administrative expenses that are not allocated to any reportable segment, totaling ¥(1,148,366) thousand. The general administrative expenses that are not allocated to any reportable segment consist mainly of the basic research and development expenses, certain administrative expenses related to the General Affairs and Accounting Department, and the amortization cost of ¥573,616 thousand on goodwill involved in acquisition of shares in Harmonic Drive SE.

2. The “Japan” segment includes the net sales and expenses related to the European and Asian markets, in addition to the Japanese market.

3. The “North America” segment includes net sales of ¥5,953,049 thousand originating from the United States of America, which represents 10% or more of net sales recorded on the consolidated statements of income.

4. The “Europe” segment includes net sales of ¥3,096,458 thousand originating from Germany, which represents 10% or more of net sales recorded on the consolidated statements of income.
5. Segment profit is adjusted to ordinary profit in the quarterly consolidated statements of income.

### 3. Other Matters

#### (1) Status of Production, Orders Received and Sales

##### a. Production

Production results by segment for the six months ended September 30, 2023 (April 1, 2023 to September 30, 2023) are as follows:

| Segment name  |                      | Production output<br>(thousands of yen) | YoY change (%) |
|---------------|----------------------|-----------------------------------------|----------------|
| Japan         | Speed reducers       | 14,408,735                              | (34.2)         |
|               | Mechatronic products | 3,616,422                               | 7.5            |
| North America | Speed reducers       | 2,293,363                               | 37.7           |
|               | Mechatronic products | 3,155,754                               | 78.1           |
| Europe        | Speed reducers       | 4,616,629                               | (15.1)         |
|               | Mechatronic products | 2,295,333                               | 66.8           |
| Total         |                      | 30,386,239                              | (14.4)         |

- (Notes)
1. Inter-segment transactions are offset and eliminated.
  2. The above amounts are sales prices and exclude consumption taxes.
  3. The Group's reportable segments are classified on a location basis (Japan, North America, and Europe).
  4. Although the Group is solely engaged in handling the same types and series of precision speed reducers and its business operations fall within a single industry segment based on the similarities in the types, natures, manufacturing methods and markets of their products, the above table presents figures by product for each segment.
  5. The production results of Harmonic Winbel Inc., a subsidiary engaged in the development, manufacturing, and sales of magnetic application equipment, are classified, counted, and presented as mechatronic products.

##### b. Orders received

The results of orders received by segment for the six months ended September 30, 2023 (April 1, 2023 to September 30, 2023) are as follows:

| Segment name  |                      | Orders received<br>(thousands of yen) | YoY change<br>(%) | Order backlog<br>(thousands of yen) | YoY change<br>(%) |
|---------------|----------------------|---------------------------------------|-------------------|-------------------------------------|-------------------|
| Japan         | Speed reducers       | 8,742,560                             | (33.0)            | 4,189,633                           | (82.2)            |
|               | Mechatronic products | 901,331                               | (54.2)            | 1,172,190                           | (50.8)            |
| North America | Speed reducers       | 2,273,569                             | 1.9               | 4,735,292                           | (2.8)             |
|               | Mechatronic products | 1,955,989                             | (53.5)            | 5,806,998                           | (29.4)            |
| Europe        | Speed reducers       | 5,349,081                             | (28.3)            | 7,457,106                           | 3.0               |
|               | Mechatronic products | 2,448,445                             | 5.7               | 2,996,198                           | 9.5               |
| Total         |                      | 21,670,977                            | (30.6)            | 26,357,419                          | (46.2)            |

- (Notes)
1. Inter-segment transactions are offset and eliminated.
  2. The above amounts exclude consumption taxes.
  3. The Group's reportable segments are classified on a location basis (Japan, North America, and Europe).
  4. Although the Group is solely engaged in handling the same types and series of precision speed reducers and its business operations fall within a single industry segment based on the similarities in the types, natures, manufacturing methods and markets of their products, the above table presents figures by product for each segment.
  5. The results of orders received of Harmonic Winbel Inc., a subsidiary engaged in the development, manufacturing, and sales of magnetic application equipment, are classified, counted, and presented as mechatronic products.
  6. The order backlog excludes ¥433,615 thousand of order cancellations. The cancellations took place during the six months ended September 30, 2023.

c. Sales

Sales results by segment for the six months ended September 30, 2023 (April 1, 2023 to September 30, 2023) are as follows:

| Segment name  |                      | Sales volume<br>(thousands of yen) | YoY change (%) |
|---------------|----------------------|------------------------------------|----------------|
| Japan         | Speed reducers       | 12,096,976                         | (38.1)         |
|               | Mechatronic products | 1,959,231                          | 2.3            |
| North America | Speed reducers       | 2,762,791                          | 30.1           |
|               | Mechatronic products | 3,898,605                          | 59.8           |
| Europe        | Speed reducers       | 5,332,835                          | (3.6)          |
|               | Mechatronic products | 2,714,690                          | 43.7           |
| Total         |                      | 28,765,131                         | (14.0)         |

(Notes) 1. Inter-segment transactions are offset and eliminated.

2. Sales by primary customer and the ratio of the sales to the total sales are as follows:

| Customer           | Six months ended September 30, 2022 |           | Six months ended September 30, 2023 |           |
|--------------------|-------------------------------------|-----------|-------------------------------------|-----------|
|                    | Sales (thousands of yen)            | Ratio (%) | Sales (thousands of yen)            | Ratio (%) |
| Haneda & Co., Ltd. | 3,996,228                           | 11.9      | —                                   | —         |

The sales to Haneda & Co., Ltd. are not presented for the six months ended September 30, 2023, since the ratio of the sales to the total sales is less than ten hundredths.

3. The above amounts exclude consumption taxes.

4. The Group's reportable segments are classified on a location basis (Japan, North America, and Europe).

5. Although the Group is solely engaged in handling the same types and series of precision speed reducers and its business operations fall within a single industry segment based on the similarities in the types, natures, manufacturing methods and markets of their products, the above table presents figures by product for each segment.

6. The sales results of Harmonic Winbel Inc., a subsidiary engaged in the development, manufacturing, and sales of magnetic application equipment, are classified, counted and presented as mechatronic products.

(2) Net Sales outside Japan

Net sales outside Japan for the six months ended September 30, 2023 (April 1, 2023 to September 30, 2023) are as follows:

|                                                                    | Europe    | North America | Other regions | Total      |
|--------------------------------------------------------------------|-----------|---------------|---------------|------------|
| I Net sales outside Japan (thousands of yen)                       | 8,047,526 | 6,661,397     | 2,779,339     | 17,488,263 |
| II Consolidated net sales (thousands of yen)                       | —         | —             | —             | 28,765,131 |
| III Ratio of net sales outside Japan to consolidated net sales (%) | 28.0      | 23.2          | 9.7           | 60.8       |

(Notes) 1. The categorization of countries or regions is based on geographical proximity.

2. Primary countries or regions that belong to each category

(1) Europe: Germany

(2) North America: the U.S.

(3) Other regions: China, South Korea, Taiwan and Oceania

3. Net sales outside Japan are net sales that were recorded by the Company and its consolidated subsidiaries in countries or regions other than Japan.