

Industry Update No. 3-23 December 21, 2023

How's Business? OEM

Bishop & Associates tracks sales and profits of 13 market sectors and more than 120 companies. The objectives are to determine how selected electronic markets have performed, identify sales and profit trends for forecasting purposes, and monitor company performance within market sectors.

The following tables provide the 2022/2021 percent change in revenues, and the first nine months of 2022 versus the first nine months of 2023 sales and percent change in sales by market sector.

| Market Sector | 2021/2022 | Nine Months | Nine Months | Percent |
|----------------------|-----------|---------------|---------------|---------|
| Warket Sector | % Change | 2022 | 2023 | Change |
| Telecom/Datacom | 6.6% | \$342,960.4 | \$332,344.7 | -3.1% |
| Automotive | 17.1% | \$1,312,569.6 | \$1,504,768.1 | 14.6% |
| Industrial | 8.9% | \$277,197.6 | \$300,708.0 | 8.5% |
| Mil/Aero | 2.0% | \$243,517.7 | \$250,102.5 | 2.7% |
| Computers | 12.9% | \$312,239.8 | \$274,565.5 | -12.1% |
| Peripherals | 11.2% | \$51,435.4 | \$43,133.3 | -16.1% |
| Consumer | 13.3% | \$279,249.3 | \$277,505.2 | -0.6% |
| Transportation | 15.1% | \$233,308.1 | \$273,527.4 | 17.2% |
| Medical | 14.7% | \$92,587.0 | \$87,309.0 | -5.7% |
| Instrumentation | 16.9% | \$51,421.1 | \$48,437.9 | -5.8% |
| Semiconductors | 32.4% | \$297,855.3 | \$224,303.4 | -24.7% |
| CEMs | 10.1% | \$65,383.9 | \$66,787.9 | 2.1% |
| Distribution | 24.1% | \$67,956.0 | \$60,432.9 | -11.1% |
| Total Market Sectors | -2.7% | \$3,627,681.2 | \$3,743,925.7 | 3.2% |

\$ Millions

For the period first nine months 2022 versus first nine months 2023, five of the 13 market sectors saw year-over-year sales increase. The largest increase was in Transportation, where sales increased 17.2% year-over-year, followed by Automotive at 14.6% and Industrial at 8.5%.

As a note: This database is not static. Companies are acquired or go into bankruptcy; thus, their financial data is no longer available, and they are removed from the database. These types of activities occurred frequently in 2009 and 2010, and because of this, as well as additions we have made to the database, it is not possible to directly compare current numbers to numbers referenced in past Bishop "How's Business? OEMs." These analyses are meant to be used as a relative measure of market sector performance. If you have any questions about this database or specific market sectors, please feel free to contact us.

The following pages display each market sector in detail, including the companies selected for each sector.



Telecom/Datacom Equipment Sector

The telecom/datacom equipment sector recorded a sales decrease of -1.5% in 2022. Sales in the first nine months of 2023 versus the first nine months of 2022 were down -3.1% year-over-year. Net income as a percent of sales totaled 20.7% for the period, up 1.6% year-over-year.

Telecom/Datacom Equipment Sector - Sales and Net Income

| Company | 2021/2022 | Nine Months | Nine Months | Percent |
|------------------------|-----------|-------------|-------------|---------|
| | % Change | 2022 | 2023 | Change |
| Cisco Systems | 3.1% | \$39,569.0 | \$44,442.0 | 12.3% |
| Motorola Solutions Inc | 11.5% | \$6,405.0 | \$7,130.0 | 11.3% |
| Nokia | 2.4% | \$18,296.9 | \$17,934.3 | -2.0% |
| Apple (iPhone) | -8.8% | \$133,861.0 | \$134,808.0 | 0.7% |
| Samsung | -0.8% | \$74,837.1 | \$67,266.4 | -10.1% |
| Qualcomm | 19.2% | \$33,496.0 | \$26,357.0 | -21.3% |
| Ericsson | -0.8% | \$18,770.1 | \$18,075.0 | -3.7% |
| Juniper Networks | 12.0% | \$3,853.0 | \$4,200.0 | 9.0% |
| ZTE Corporation | 4.5% | \$13,872.3 | \$12,132.0 | -12.5% |
| Total Sales | -1.5% | \$342,960.4 | \$332,344.7 | -3.1% |
| Total Net Income | | \$67,814.0 | \$68,876.4 | 1.6% |

\$ Millions

Telecom/Datacom
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales increased 5.5%. Year-over-year, sales decreased -3.4% in the third quarter.



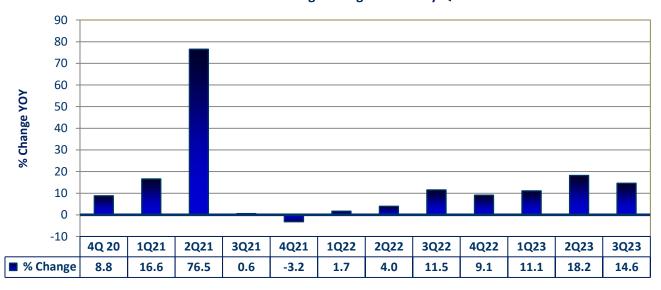
Automotive Equipment Sector

The automotive equipment sector recorded a sales increase of 6.5% in 2022. Sales for the first nine months of 2023 versus the first nine months of 2022 were up 14.6% year-over-year. Net income as a percent of sales totaled 8.0% for the period, up 29.4% year-over-year.

Automotive Equipment Sector - Sales and Net Income

| Company | 2021/2022 % Change | Nine Months 2022 | Nine Months 2023 | Percent Change |
|------------------|-----------------------|---------------------|---------------------|-------------------|
| Borg Warner Auto | 6.5% | \$11,693.0 | \$12,322.0 | 5.4% |
| Daimler | 13.4% | \$105,189.3 | \$122,434.2 | 16.4% |
| Ford Motor Co. | 15.9% | \$114,058.0 | \$130,229.0 | 14.2% |
| General Motors | 23.4% | \$113,627.0 | \$128,862.0 | 13.4% |
| Lear Corp. | 8.4% | \$15,512.0 | \$17,625.0 | 13.6% |
| Honda | -3.6% | \$94,210.9 | \$101,358.0 | 7.6% |
| Toyota | -3.5% | \$203,173.2 | \$229,285.0 | 12.9% |
| Volkswagon | -3.7% | \$216,115.2 | \$254,856.6 | 17.9% |
| Kia Motors | 9.8% | \$50,033.3 | \$57,993.0 | 15.9% |
| Nissan | -6.0% | \$54,589.2 | \$66,454.4 | 21.7% |
| Stellantis | 7.3% | \$136,592.6 | \$156,194.8 | 14.4% |
| BMW AG | 14.0% | \$109,633.4 | \$121,978.0 | 11.3% |
| Tesla Auto | 51.4% | \$57,144.0 | \$71,606.0 | 25.3% |
| Continental AG | 7.3% | \$30,998.6 | \$33,570.2 | 8.3% |
| Total Sales | 6.5% | \$1,312,569.6 | \$1,504,768.1 | 14.6% |
| Total Net Income | | \$93,339.4 | \$120,777.3 | 29.4% |

Automotive
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales decreased -2.0%. Year-over-year, sales increased 14.6% in the third quarter.

\$ Millions



Industrial Equipment Sector

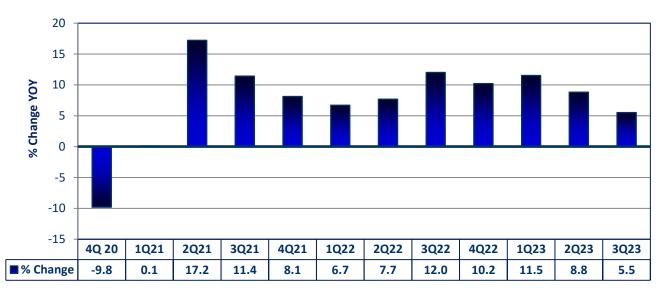
The industrial equipment sector recorded a sales increase of 9.2% in 2022. Sales for the first nine months of 2023 versus the first nine months of 2022 were up 8.5% year-over-year. Net income as a percent of sales totaled 13.9% for the period, up 131.5% year-over-year.

Industrial Equipment Sector - Sales and Net Income

| Company | 2021/2022 % Change | Nine Months 2022 | Nine Months 2023 | Percent Change |
|------------------|-----------------------|---------------------|---------------------|-------------------|
| Baker Hughes | 3.3% | \$15,251.0 | \$18,672.0 | 22.4% |
| Caterpillar | 16.6% | \$42,830.0 | \$49,990.0 | 16.7% |
| Deere & Co. | 25.9% | \$42,977.0 | \$48,600.0 | 13.1% |
| FMC Corp. | 15.0% | \$4,180.0 | \$3,341.0 | -20.1% |
| General Electric | 3.3% | \$54,767.0 | \$48,539.0 | -11.4% |
| Parker Hannifin | 12.4% | \$12,507.0 | \$15,005.0 | 20.0% |
| Schlumberger | 22.9% | \$20,297.0 | \$24,148.0 | 19.0% |
| ABB | 4.5% | \$21,814.3 | \$23,990.0 | 10.0% |
| Siemens | 1.3% | \$58,981.3 | \$64,711.0 | 9.7% |
| Danaher | -23.5% | \$3,593.0 | \$3,712.0 | 3.3% |
| Total Sales | 9.2% | \$277,197.6 | \$300,708.0 | 8.5% |
| Total Net Income | | \$17,998.5 | \$41,663.3 | 131.5% |

\$ Millions

Industrial
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales decreased -13.9%. Year-over-year, sales increased 5.5% in the third quarter.



Military/Aerospace Equipment Sector

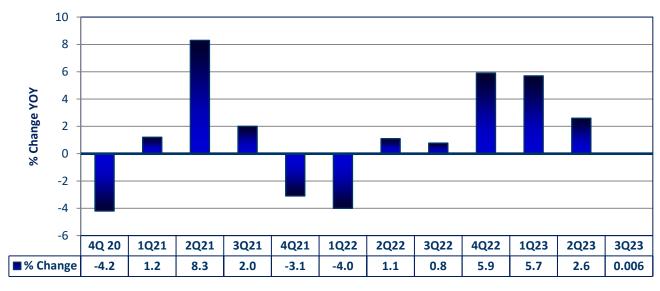
The military/aerospace equipment sector recorded a sales increase of 0.5% in 2022. Sales for the first nine months of 2023 versus the first nine months of 2022 were up 2.7% year-over-year. Net income as a percent of sales totaled 7.0% for the period, up 13.6% year-over-year.

Mil/Aero Equipment Sector - Sales and Net Income

| Company | 2021/2022 | Nine Months | Nine Months | Percent |
|-----------------------------|-----------|-------------|-------------|---------|
| Обпрану | % Change | 2022 | 2023 | Change |
| Boeing (Mil/Aero) | -12.7% | \$16,981.0 | \$18,187.0 | 7.1% |
| Airbus (Mil/Aero) | 13.7% | \$16,885.9 | \$13,042.6 | -22.8% |
| General Dynamics | 2.4% | \$28,556.0 | \$30,604.0 | 7.2% |
| Honeywell | 3.1% | \$26,273.0 | \$27,216.0 | 3.6% |
| Lockheed Martin | -1.6% | \$46,993.0 | \$48,697.0 | 3.6% |
| Northrop Grumman | 2.6% | \$26,569.0 | \$28,652.0 | 7.8% |
| Textron | 3.9% | \$9,233.0 | \$9,791.0 | 6.0% |
| Raytheon Technologies Corp. | 4.2% | \$48,981.0 | \$48,993.0 | 0.0% |
| L-3 Harris | -4.2% | \$12,484.0 | \$14,079.0 | 12.8% |
| Leonardo | -9.8% | \$10,561.8 | \$10,840.9 | 2.6% |
| Total Sales | 0.5% | \$243,517.7 | \$250,102.5 | 2.7% |
| Total Net Income | | \$15,358.2 | \$17,440.9 | 13.6% |

\$ Millions

Military/Aerospace Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales increased 5.8%. Year-over-year, sales increased .006% in the third quarter.



Computer Equipment Sector

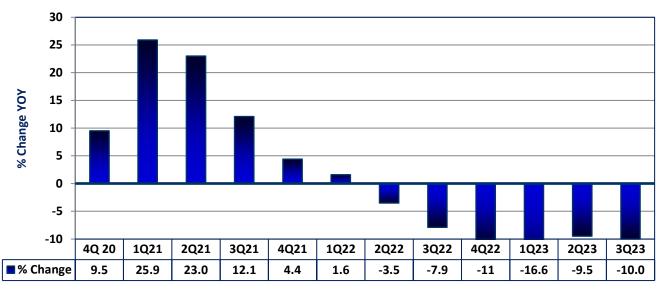
The computer equipment sector recorded a sales decrease of -5.4% in 2022. Sales for the first nine months of 2022 versus the first nine months of 2023 were down -12.1% year-over-year. Net income as a percent of sales totaled 9.1% for the period, up 18.5% year-over-year.

Computer Equipment Sector - Sales and Net Income

| Company | 2021/2022 % Change | Nine Months 2022 | Nine Months 2023 | Percent Change |
|----------------------------|-----------------------|---------------------|---------------------|-------------------|
| Apple (Computers) | 0.7% | \$51,369.0 | \$40,526.0 | -21.1% |
| Dell Technologies | -5.0% | \$76,508.0 | \$66,107.0 | -13.6% |
| Hewlett-Packard | -9.4% | \$45,484.0 | \$40,035.0 | -12.0% |
| Hewlett Packard Enterprise | 4.0% | \$21,212.0 | \$21,326.0 | 0.5% |
| IBM | -13.1% | \$43,839.0 | \$44,479.0 | 1.5% |
| NCR | 9.6% | \$5,835.0 | \$5,894.0 | 1.0% |
| ASUS | -5.6% | \$14,046.7 | \$11,688.5 | -16.8% |
| Unisys | -3.6% | \$1,422.9 | \$1,457.8 | 2.5% |
| Lenovo | -6.4% | \$50,760.1 | \$41,452.9 | -18.3% |
| Advantech | 10.1% | \$1,763.2 | \$1,599.4 | -9.3% |
| Total Sales | -5.4% | \$312,239.8 | \$274,565.5 | -12.1% |
| Total Net Income | | \$21,136.4 | \$25,042.0 | 18.5% |

\$ Millions

Computer
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales increased 1.6%. Year-over-year, sales decreased -10.0% in the third quarter.



Peripheral Equipment Sector

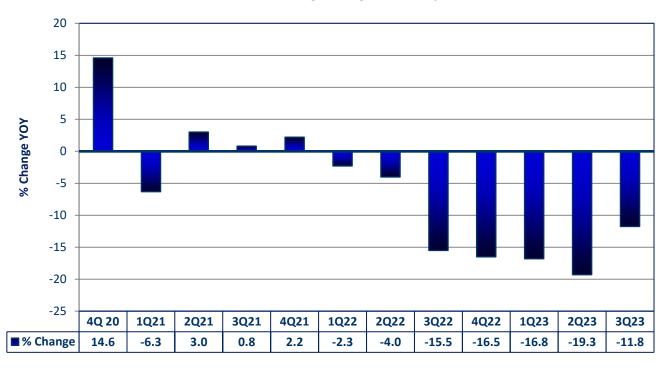
The peripheral equipment sector recorded a sales decrease of -9.8% in 2022. Sales for the first nine months of 2023 versus the first nine months of 2022 were down -16.1% year-over-year. Net income as a percent of sales totaled -2.4% for the period, down -149.9% year-over-year.

Peripheral Equipment Sector - Sales and Net Income

| Company | 2021/2022 % Change | Nine Months 2022 | Nine Months 2023 | Percent Change |
|------------------|-----------------------|---------------------|---------------------|-------------------|
| Western Digital | -16.8% | \$12,645.0 | \$8,225.0 | -35.0% |
| Xerox | 1.0% | \$5,170.0 | \$5,122.0 | -0.9% |
| Seagate | -21.9% | \$7,465.0 | \$4,916.0 | -34.1% |
| Logitech | -15.0% | \$3,539.8 | \$2,990.6 | -15.5% |
| Canon | -2.3% | \$22,615.6 | \$21,879.7 | -3.3% |
| Total Sales | -9.8% | \$51,435.4 | \$43,133.3 | -16.1% |
| Total Net Income | | \$2,102.1 | (\$1,048.5) | -149.9% |

\$ Millions

Peripheral
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales decreased -3.0%. Year-over-year, sales decreased -11.8% in the third quarter.



Consumer Equipment Sector

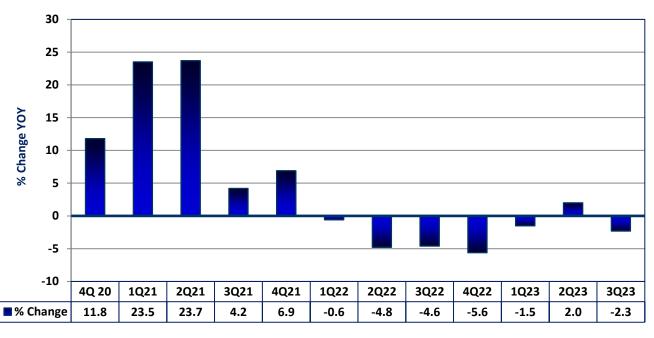
The consumer equipment sector recorded a sales decrease of -4.0% in 2022. Sales for the first nine months of 2023 versus the first nine months of 2022 decreased -0.6% year-over-year. Net income as a percent of sales totaled 8.4% for the period, up 5.4% year-over-year.

Consumer Equipment Sector - Sales and Net Income

| Company | 2021/2022 | Nine Months | Nine Months | Percent |
|------------------|-----------|-------------|-------------|---------|
| | % Change | 2022 | 2023 | Change |
| Eastman Kodak | 4.8% | \$900.0 | \$742.0 | -17.6% |
| Panasonic | -4.9% | \$47,533.0 | \$45,546.9 | -4.2% |
| Whirlpool Corp | -10.3% | \$14,801.0 | \$14,369.0 | -2.9% |
| Sony | -9.0% | \$57,541.8 | \$64,342.4 | 11.8% |
| Philips | 14.1% | \$13,005.7 | \$14,279.1 | 9.8% |
| Samsung | -1.0% | \$62,817.6 | \$56,873.1 | -9.5% |
| Nintendo | -16.3% | \$8,171.1 | \$7,998.1 | -2.1% |
| Apple | -2.6% | \$25,570.0 | \$26,363.0 | 3.1% |
| LG | -1.7% | \$48,909.1 | \$46,991.6 | -3.9% |
| Total Sales | -4.0% | \$279,249.3 | \$277,505.2 | -0.6% |
| Total Net Income | | \$22,095.8 | \$23,284.4 | 5.4% |

\$ Millions

Consumer
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales decreased -0.7%. Year-over-year, sales decreased -2.3% in the third quarter.



Transportation Equipment Sector

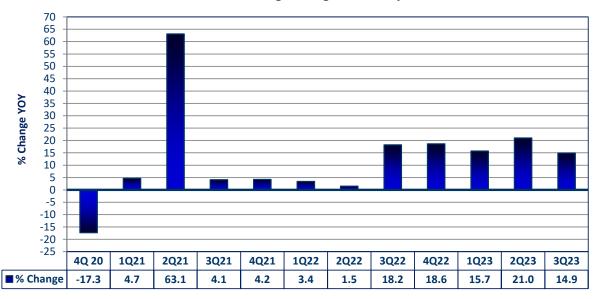
The transportation equipment sector recorded a sales increase of 10.5% in 2022. Sales for the first nine months of 2023 versus the first nine months of 2022 were up 17.2% year-over-year. Net income as a percent of sales totaled 6.9% for the period, down -1.1% year-over-year.

Transportation Equipment Sector - Sales and Net Income

| | ation Equipment Socie | | | | |
|---------------------|-----------------------|-------------|-------------|---------|--|
| Company | 2021/2022 | Nine Months | Nine Months | Percent | |
| Company | % Change | 2022 | 2023 | Change | |
| Boeing (Commercial) | 32.7% | \$16,643.0 | \$23,420.0 | 40.7% | |
| Airbus (Commercial) | 4.0% | \$27,953.4 | \$34,328.3 | 22.8% | |
| Bombardier | 2.1% | \$4,256.3 | \$4,983.9 | 17.1% | |
| Cummins Engine | 16.9% | \$20,304.0 | \$25,522.0 | 25.7% | |
| Harley-Davidson | 7.9% | \$4,613.0 | \$4,784.0 | 3.7% | |
| PACCAR | 22.5% | \$20,708.0 | \$26,065.0 | 25.9% | |
| Trinity Industries | 13.2% | \$1,386.1 | \$2,185.0 | 57.6% | |
| Wabash Nat'l. Corp. | 38.8% | \$1,844.7 | \$1,940.4 | 5.2% | |
| Wabtec | 6.9% | \$6,056.0 | \$7,151.0 | 18.1% | |
| Agco Corp. | 13.6% | \$8,753.0 | \$10,613.0 | 21.2% | |
| Volvo | 8.2% | \$34,398.0 | \$37,946.0 | 10.3% | |
| Hyundai Heavy Ind. | 2.3% | \$10,202.2 | \$12,067.3 | 18.3% | |
| Daimler (Truck/Bus) | 16.3% | \$38,409.6 | \$44,381.0 | 15.5% | |
| Isuzu Motors Ltd. | 8.4% | \$17,515.0 | \$18,046.5 | 3.0% | |
| CRRC | -6.5% | \$20,265.8 | \$20,094.0 | -0.8% | |
| Total Sales | 10.5% | \$233,308.1 | \$273,527.4 | 17.2% | |
| Total Net Income | | \$18,994.7 | \$18,791.6 | -1.1% | |

\$ Millions Transportation

Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales decreased -3.8%. Year-over-year, sales increased 14.9% in the third quarter.



Medical Equipment Sector

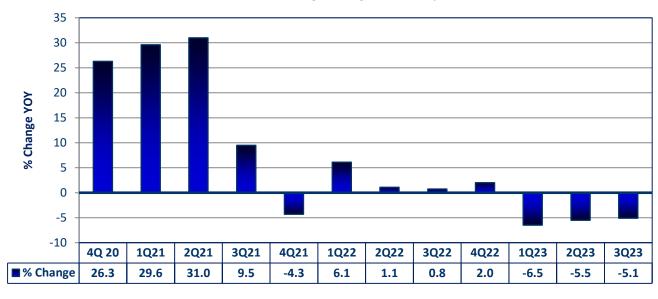
The medical equipment sector recorded a sales increase of 2.5% in 2022. Sales for the first nine months of 2022 versus the first nine months of 2023 were down -5.7% year-over-year. Net income as a percent of sales totaled 9.3% for the period, up 5.1% year-over-year.

Medical Equipment Sector - Sales and Net Income

| Company | 2021/2022 | Nine Months | Nine Months | Percent |
|-------------------|-----------|-------------|-------------|---------|
| Company | % Change | 2022 | 2023 | Change |
| Becton Dickinson | -4.7% | \$14,413.0 | \$14,786.0 | 2.6% |
| Boston Scientific | 6.7% | \$9,440.0 | \$10,515.0 | 11.4% |
| Medtronic | -3.2% | \$23,045.0 | \$24,230.0 | 5.1% |
| Owens & Minor | 1.7% | \$7,404.0 | \$7,678.0 | 3.7% |
| Quest Diagnostics | -8.4% | \$7,550.0 | \$6,964.0 | -7.8% |
| Baxter | 18.2% | \$11,226.0 | \$11,064.0 | -1.4% |
| Danaher | 11.4% | \$19,509.0 | \$12,072.0 | -38.1% |
| Total Sales | 2.5% | \$92,587.0 | \$87,309.0 | -5.7% |
| Total Net Income | | \$7,737.0 | \$8,133.0 | 5.1% |

\$ Millions

Medical
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales increased 1.2%. Year-over-year, sales decreased -5.1% in the third quarter.



Instrumentation Equipment Sector

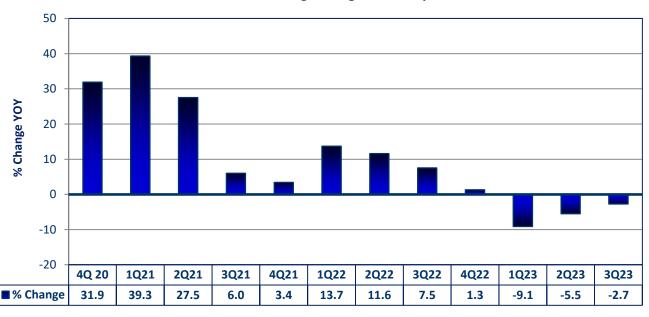
The instrumentation equipment sector recorded a sales increase of 8.3% in 2022. Sales for the first nine months of 2022 versus the first nine months of 2023 were down -5.8% year-over-year. Net income as a percent of sales totaled 14.4% for the period, down -17.5% year-over-year.

Instrumentation Equipment Sector - Sales and Net Income

| Company | 2021/2022 | Nine Months | Nine Months | Percent |
|----------------------|-----------|-------------|-------------|---------|
| | % Change | 2022 | 2023 | Change |
| ThermoFisher Scient. | 14.5% | \$33,465.0 | \$31,971.0 | -4.5% |
| Mettler Toledo | 5.4% | \$2,862.0 | \$2,853.0 | -0.3% |
| PerkinElmer | -22.2% | \$3,201.0 | \$2,054.7 | -35.8% |
| Teradyne | -14.8% | \$2,423.1 | \$2,000.2 | -17.5% |
| Agilent Technologies | 7.5% | \$5,174.0 | \$5,077.0 | -1.9% |
| Fortive | 10.9% | \$4,296.0 | \$4,482.0 | 4.3% |
| Total Sales | 8.3% | \$51,421.1 | \$48,437.9 | -5.8% |
| Total Net Income | | \$8,449.5 | \$6,973.0 | -17.5% |

\$ Millions

Instrumentation
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales decreased -1.2%. Year-over-year, sales decreased -2.7% in the third quarter.



Semiconductor Equipment Sector

The semiconductor equipment sector recorded a sales decrease of -0.6% in 2022. Sales for the first nine months of 2022 versus the first nine months of 2023 were down -24.7% year-over-year. Net income as a percent of sales totaled 8.6% for the period, down -77.0% year-over-year.

Semiconductor Equipment Sector - Sales and Net Income

| Company | 2021/2022 | Nine Months | Nine Months | Percent |
|-------------------|-----------|-------------|-------------|---------|
| Company | % Change | 2022 | 2023 | Change |
| AMD | 32.9% | \$18,002.0 | \$10,712.0 | -40.5% |
| Analog Devices | 49.0% | \$9,330.0 | \$6,339.0 | -32.1% |
| Intel | -20.2% | \$49,012.0 | \$24,664.0 | -49.7% |
| Micron Tech. | -8.3% | \$23,071.0 | \$7,445.0 | -67.7% |
| Texas Instruments | 9.2% | \$15,358.0 | \$8,910.0 | -42.0% |
| Taiwan Semi | 30.0% | \$55,967.8 | \$32,357.8 | -42.2% |
| Infineon Tech. | 15.3% | \$11,749.3 | \$8,878.5 | -24.4% |
| Microchip Tech | 24.9% | \$5,881.0 | \$4,522.0 | -23.1% |
| Samsung | -20.1% | \$62,659.0 | \$21,993.1 | -64.9% |
| ON Semi | 23.5% | \$6,223.0 | \$4,054.0 | -34.9% |
| Hynix | -5.9% | \$29,338.9 | \$9,548.2 | -67.5% |
| Renesas | 27.5% | \$8,741.3 | \$5,404.8 | -38.2% |
| Xilinx | -15.1% | \$2,522.0 | * | |
| Total Sales | -0.6% | \$297,855.3 | \$224,303.4 | -24.7% |
| Total Net Income | | \$80,628.8 | \$18,534.9 | -77.0% |



Quarter-to-quarter (3Q23 versus 2Q23) sales increased 8.0%. Year-over-year, sales decreased -15.3% in the third quarter.



Contract Electronic Manufacturers (CEM) Sector

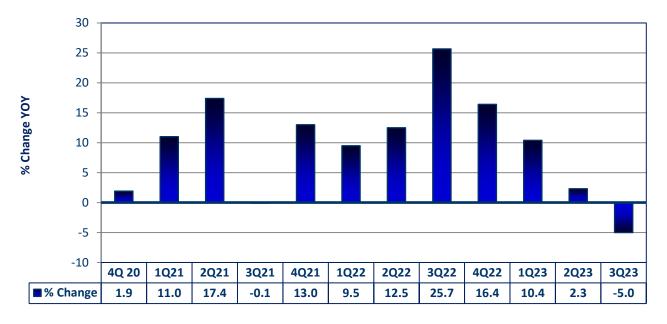
The CEM sector recorded a sales increase of 16.1% in 2022. Sales for the first nine months of 2022 versus the first nine months of 2023 increased 2.1% year-over-year. Net income as a percent of sales totaled 2.7% for the period, down -11.4% year-over-year.

CEM Equipment Sector - Sales and Net Income

| Company | 2021/2022 | Nine Months | Nine Months | Percent |
|---------------------|-----------|-------------|-------------|---------|
| | % Change | 2022 | 2023 | Change |
| Benchmark Elec. | 28.0% | \$2,135.7 | \$2,147.6 | 0.6% |
| Celestica | 26.5% | \$5,205.5 | \$5,821.4 | 11.8% |
| Flex | 16.8% | \$21,964.0 | \$22,284.0 | 1.5% |
| Jabil Circuit, Inc. | 12.9% | \$24,911.0 | \$25,067.0 | 0.6% |
| Plexus Corp. | 21.8% | \$2,994.1 | \$3,117.0 | 4.1% |
| Sanmina | 25.7% | \$6,134.0 | \$6,579.0 | 7.3% |
| Venture Corp | -7.9% | \$2,039.6 | \$1,771.9 | -13.1% |
| Total Sales | 16.1% | \$65,383.9 | \$66,787.9 | 2.1% |
| Total Net Income | | \$2,065.1 | \$1,830.3 | -11.4% |

\$ Millions

CEM
Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales increased 0.4%. Year-over-year, sales decreased by -5.0% in the third quarter.



Electronic Distribution Sector

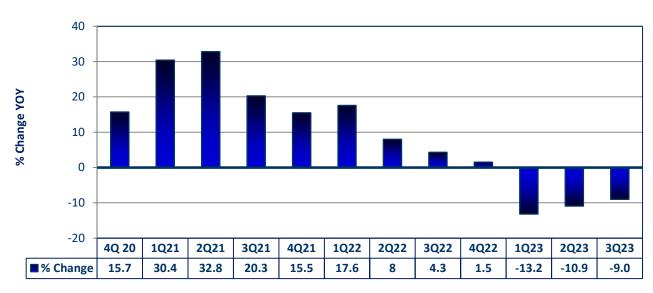
The electronic distribution sector recorded a sales increase of 6.8% in 2022. Sales for the first nine months of 2023 versus the first nine months of 2022 decreased -11.1% year-over-year. Net income as a percent of sales totaled 2.3% for the period, down -29.7% year-over-year.

Electronic Distribution Equipment Sector - Sales and Net Income

| Company | 2021/2022 | Nine Months | Nine Months | Percent |
|-------------------|-----------|-------------|-------------|---------|
| | % Change | 2022 | 2023 | Change |
| Arrow Electronics | 7.7% | \$27,801.0 | \$25,258.0 | -9.1% |
| Avnet | 21.9% | \$19,611.0 | \$19,406.0 | -1.0% |
| WPG Holdings | -6.1% | \$20,544.0 | \$15,768.9 | -23.2% |
| Total Sales | 6.8% | \$67,956.0 | \$60,432.9 | -11.1% |
| Total Net Income | | \$2,003.9 | \$1,409.0 | -29.7% |

\$ Millions

Electronic Distribution Year-Over-Year Percentage Change in Sales by Quarter



Quarter-to-quarter (3Q23 versus 2Q23) sales increased 0.5%. Year-over-year, sales decreased -9.0% in the third quarter.