

Half Year Financial Report



Half Year Financial Report / Second Quarter 2023

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Key Figures

		Q2 2023	Q2 2022	Change	Q1-Q2 2023	Q1-Q2 2022	Change
				0			0
Sales and profit							
Total sales	K€	243,653	224,655	8.5%	496,711	440,613	12.7%
Operating profit	K€	24,085	28,731	-16.2%	56,327	60,069	-6.2%
EBIT margin	%	9.9	12.8	-2.9 Pp	11.3	13.6	-2.3 Pp
Net income	K€	17,000	20,357	-16.5%	39,842	42,585	-6.4%
Return on sales	%	7.0	9.1	-2.1 Pp	8.0	9.7	-1.7 Pp
Operating cash flow	K€	33,565	4,300	680.6%	20,671	22,627	-8.6%
Capital expenditures	K€	21,003	18,738	12.1%	41,954	29,807	40.8%
Earnings per share	€	1.72	2.06	-16.5%	4.04	4.32	-6.5%
Workforce							
Workforce (average)		4,024	3,639	10.6%	3,995	3,590	11.3%
Germany		1,294	1,126	14.9%	1,289	1,120	15.0%
Other countries		2,730	2,513	8.6%	2,706	2,470	9.6%
Sales per employee	K€	61	62	-1.6%	124	123	0.8%
				June 30, 2023	Decembe	er 31, 2022	Change
Balance sheet							
Balance sheet total			K€	914,238		863,732	5.8%
Cash and cash equivalents			K€	76,572		67,840	12.9%
Number of shares issued				9,867,659		9,867,659	-
Shareholders' equity			K€	561,061		531,354	5.6%
Equity ratio			%	61.4		61.5	-0.1 Pp

This half year financial report has been prepared in accordance with International Financial Reporting Standards (IFRS). Throughout this report, all percentages are calculated based on amounts in thousands \in .

The Half Year Financial Report as of June 30, 2023, is unaudited.

The Company

Pfeiffer Vacuum – a name that stands for innovative solutions, high technology and dependable products, along with first class service. For over 130 years, we have been setting standards in vacuum technology with these attributes. One very special milestone was the invention of the turbopump at our Company more than 50 years ago. Thanks to our know-how, we continue to be a technology and world market leader in this field. To no small degree, this also manifests itself in our strong profitability.

Our extensive line of solutions, products and services ranges from vacuum pumps, measurement and analysis equipment right through to complex vacuum systems. And quality always plays a key role in this connection: Products from Pfeiffer Vacuum are being constantly optimized through close collaboration with customers from a wide variety of industries, through ongoing development work and through the enormous enthusiasm and commitment of our people. These are virtues that we will continue to embrace!

Headquarters	Asslar
Established	1890
Purpose of the Company	To develop, manufacture and market components and systems for vacuum generation, measurement and analysis
Manufacturing sites	Asslar, Germany; Göttingen, Germany; Dresden, Germany; Annecy, France; Asan, Republic of Korea; Cluj, Romania; Indianapolis, USA; Yreka, USA; Ho- Chi-Minh-City, Vietnam; Wuxi, China
Workforce (June 30, 2021)	4,024
Sales and service	33 Group companies and a multitude of agencies worldwide
Quality management	Certified under ISO 9001
Environmental management	Certified under ISO 14001
Stock exchange listing	Deutsche Börse, Prime Standard/TecDAX
Accounting	IFRS

Pfeiffer Vacuum

For more information, please visit group.pfeiffer-vacuum.com.

Share Performance

Pfeiffer Vacuum shares have been traded on the Deutsche Börse Stock Exchange in Frankfurt since April 15, 1998. Pfeiffer Vacuum satisfies the high transparency requirements of the Prime Standard and is included in the SDAX.

Deutsche Börse Symbol	PFV
ISIN	DE0006916604
Bloomberg Symbol	PFV.GY
Reuters Symbol	PV.DE
Number of shares issued	9,867,659
Freefloat as at June 30, 2023	36.34%
Market capitalization as at June 30, 2023	€ 1,472.3 million

In the first half year 2023, Pfeiffer Vacuum shares developed slightly weaker than the SDAX. On January 2, 2023, the opening price of Pfeiffer Vacuum shares was \in 172.20, and the closing price was \in 149.20 on June 30, 2023. This represents a decrease by 13.4%. The high for the first half year 2023 was \in 172.60 and was recorded on January 4, and as well on January 9, 2023. The low for the first six months in 2023 was \in 146.20 on June 26, 2023. In the first half year the SDAX, starting at 11,981 points on January 2, 2023, and closing at 13,401 points on June 30, 2023, increased by 11.9%.

Pfeiffer Vacuum has again distributed a dividend to its shareholders in the year 2023. The Annual Shareholders Meeting on May 2, 2023, followed the joint proposal of the Management and Supervisory Boards with a very large majority and approved a dividend of $\notin 0.11$ per share for fiscal year 2022. The payout ratio of 1.3% of consolidated earnings in 2022 was thus achieved. A total of $\notin 1.1$ million was distributed to the shareholders.

Another key item on the agenda of this year's Annual General Meeting was the proposed approval of the conclusion of a domination and profit and loss transfer agreement ("DPLTA") with Pangea GmbH, a wholly owned subsidiary of Busch SE. The shareholders approved the agreement with a majority of 86.58% of the share capital represented at the time of the resolution. Following the entry in the Commercial Register, the DPLTA became effective on May 16, 2023. The obligation to transfer the entire profit of Pfeiffer Vacuum thus exists retroactively for the entire fiscal year commencing on January 1, 2023.

Unchanged compared to December 31, 2022, the freefloat as of June 30, 2023 was 36.34% according to our knowledge.

Group sales for the first half of 2023 increased by 12.7% to € 496.7 million, marking the highest half-year result in the Company's history (first half of 2022: € 440.6 million). The sales development in the Analytics, Industry and R&D market segment was particularly dynamic with a growth of 21.7% to € 255.6 million. Sales in the Semiconductors and Emerging Technologies market segment grew by 4.5% to € 241.1 million, which also represents an increase compared to the previous year (first half of 2022: Analytics, Industry and R&D € 210.0 million; Semiconductors and Emerging Technologies € 230.6 million). The order intake in the first half year of 2023 reached € 452.5 million and decreased by 22.0% compared to the previous year (first half 2022: € 580.1 million). Gross profit rose by € 26.6 million to € 184.7 million (previous year: € 158.1 million). The corresponding gross margin was 37.2% in the first six months of 2023, following a gross margin of 35.9% in the previous year. Operating expenses, particularly in the administrative area, basically showed increases compared with the first half of 2022, which are due to the Group's focus on further growth and the creation of joint IT structures, impacting 2023. In this context, the development of sales and marketing expenses was also influenced by the very positive sales development in 2023. With € -2.8 million, the result from other operating income and expenses was below the previous year's level of € 2.3 million and was adversely affected by the negative currency result. Totaling € 56.3 million, operating profit in the first half of 2023 decreased by \in 3.8 million compared to the previous year (\in 60.1 million). The operating profit or EBIT margin, i.e. the ratio of operating profit to sales, decreased from 13.6% in 2022 to 11.3% in 2023 to date. With increased net financial expenses as a result of higher financial liabilities and a slightly reduced tax rate, earnings after taxes declined from € 42.6 million to € 39.8 million. With € 4.04, earnings per share in the first half of 2023 were also below the previous year's figure of \in 4.32.

Overall economic environment and industry situation

The factors influencing global economic development continue to be the effects of the Russian war of aggression on Ukraine, which is contrary to international law, and inflation. By contrast, the effects of COVID-19 now play only a minor role. The International Monetary Fund (IMF) currently expects the global economy to grow by 2.8 % in 2023, with the industrialized countries contributing comparatively less with expected growth of 1.3 %. For Germany, the forecast even foresees a contraction of economic output by 0.1%. According to the German Engineering Federation (VDMA), the German mechanical and plant engineering industry recorded a real decline in orders of 12% in the three months period March to May 2023.

Business

Our business operations include the development, manufacture, sale and service of vacuum pumps, vacuum measurement, components and analysis equipment and instruments, as well as vacuum systems and leak detection systems.

Sales

Presented below are net sales by segment, by region and by market for the periods ended June 30, 2023 and 2022.

Sales by Segment

The subsidiaries in the individual countries are independent legal entities with their own management, which distribute products and provide services. Some entities within the Group additionally execute production functions. The entire product portfolio is offered by all sales subsidiaries. Controlling of business development by corporate management is carried out on the level of the legal entities. Accordingly, the Company identifies its primary operating segments by legal entity. Due to the similarity of their economic environment, the same product portfolio sold, same sales markets, same cost structures and same sales channels, the Company basically aggregates its European and Asian subsidiaries into one reporting segment, "Rest of Europe" and "Rest of Asia". In contrast, the production companies in Germany, France, the USA and the Republic of Korea were presented separately each as an individual segment. This was caused by the different functions of these entities, predominantly resulting from the existing production function. For this reason, the prerequisites for an aggregation with the other segments are not given. The purely sales-oriented entity in the US is thus also presented separately. All operating segments that individually or as a group do not have to be reported separately are included in the segment "All Others".

Sales by Segment

		Three months ended June 30,		s ended 30,
	2023	2022	2023	2022
	in K€	in K€	in K€	in K€
Rest of Asia	48,677	42,339	90,879	80,274
Germany	38,482	34,896	85,938	67,959
USA	41,731	44,971	83,577	83,446
Rest of Europe	36,351	28,857	71,111	58,665
Republic of Korea	21,761	28,394	52,078	55,256
USA (Production)	20,869	17,668	45,598	32,482
France	18,248	19,218	41,478	46,789
All Others	17,534	8,312	26,052	15,742
Total	243,653	224.655	496,711	440.613

The analysis of sales by segment for the first half of the year shows increases in almost all segments. This result illustrates the broad basis for this development, which is not limited to individual Group units. By contrast, the South Korea and France segments recorded declines in sales, due in particular to the difficult market dynamics in the semiconductor sector.

The following chart shows the correspondingly unchanged balanced distribution of Group sales by segment.

Sales by Segment 6M/2023 (6M/2022)



Sales by Region

In the following table we are also summarizing sales by region. The table includes all sales in a given region, regardless of which company in the Pfeiffer Vacuum Group actually generated these sales.

Sales by Region

		Three months ended June 30,		s ended 30,
	2023	2022	2023	2022
	in K€	in K€	in K€	in K€
Asia	82,855	83,767	184,472	173,132
Europe	86,714	68,701	171,487	142,319
The Americas	74,056	72,141	140,640	125,030
Rest of world	28	46	112	132
Total	243,653	224,655	496,711	440,613

The reduced demand momentum in the semiconductor industry has impacted the sales development of the Asia and Americas regions in the second quarter of 2023. Although year-on-year growth was still recorded in these regions in the entire half of 2023, the decline in sales in Asia in the second quarter in particular compared with the immediately preceding first quarter of 2023 shows the expected slowdown in the semiconductor market. This development was reinforced by negative exchange rate effects. Without taking into account slightly positive exchange rate effects from the U.S. dollar, the sales level in the Americas region in the second quarter of 2023 would also have been roughly on a par with the previous year. In Europe, on the other hand, where the development of sales is largely characterized by the market segment "Industry, Analytics and R&D", we recorded a significant sales growth of 20.5%.

The following graphic shows the still balanced split of sales by region with a small improvement in the Americas.



Sales by Region 6M/2023 (6M/2022)

Sales by Market

Sales by Market

		Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022	
	in K€	in K€	in K€	in K€	
Analytics, Industry and R&D	127,315	106,685	255,634	209,968	
Semiconductors and Emerging Technologies	116,338	117,970	241,077	230,645	
Total	243,653	224,655	496,711	440,613	

As already mentioned, sales in the area of Analytics, Industry and R&D in particular showed a positive development and, with an increase of 21.7 %, also characterized the development of consolidated sales. As a result of the weaker dynamics in the semiconductor market, sales with customers from the Semiconductor and Emerging Technologies market segment increased by a moderate 4.5% in the first half of 2023. This trend also led to a slight decline in sales development in the 2nd quarter.

The sales split by markets was as follows:

Sales by Market 6M/2023 (6M/2022)



Order Intake and Order Backlog

After an order intake of \in 580.1 million in the first six months of 2022, this figure was \in 452.5 million in the first half of 2023 and thus decreased by 22.0%, or \in 127.6 million. With \in 213.8 million, order intake in the second quarter of 2023 was also significantly lower than in the same period of the previous year (\in 293.9 million), and lower than the order intake in the first quarter of 2023 (\in 238.7 million). The main driver for this was the difficult market dynamics in the semiconductor industry already mentioned in the analysis of the sales development. The book-to-bill ratio, the ratio of order intake to sales, was 0.88 in this period (Q2 2022: 1.31). On a year-to-date basis, the book-to-bill ratio as of June 30, 2023, was 0.91 (previous year: 1.32).

The order backlog dropped from \in 502.7 million as of December 31, 2022 to \in 458.3 million as of June 30, 2023. This corresponds to a decrease of \in 44.4 million.

Orders are only recorded in order backlog when they are based upon binding contracts. The value of orders on hand should not be used to predict future sales and order volumes.

Cost of Sales, Gross Profit and Gross Margin

In the first six months of 2023, the cost of sales amounted to \in 312.0 million (previous year: \in 282.5 million). This corresponds to an increase of \in 29.5 million, or 10.4%. This was mainly due to higher sales and the resulting better capacity utilization of the production sites. At \in 184.7 million, gross profit was \in 26.6 million above the previous year's figure of \in 158.1 million. The gross margin, the ratio of gross profit to sales, increased from 35.9% to 37.2%.

Selling and Marketing Expenses

Totaling \in 49.6 million, sales and marketing expenses in the first six months of the current year were \in 4.4 million higher than in the same period of the previous year (\in 45.2 million). Following the increase in sales, sales and marketing expenses declined by 0.3 percentage points to 10.0% in relative terms compared to the previous year (10.3%).

General and Administrative Expenses

Administrative and general expenses amounted to \in 56.3 million in the first half of 2023 and compared to \in 37.2 million in the first half of 2022 increased by \in 19.1 million. Relative to sales, the ratio however increased from 8.4% to 11.3%. The increase is also due to the fact that all IT expenses, including the amounts attributable to the Busch Group, are reflected here starting in 2023. The expenses attributable to Busch are recharged according to the input involved and are included in sales revenues.

Research and Development Expenses

Research and development expenses amounted to \in 19.6 million in the first half year of 2023 and increased slightly compared to the previous year (\in 17.8 million). The R&D ratio, i.e. the relationship between research and development costs and sales, decreased from 4.0% to 3.9%.

We will maintain the expenses allocated for research and development at a high level and invest in order to be able to sustain our position on the world market, to expand market shares and to open up new markets. All expenditures for research and development are expensed as they are incurred.

Other Operating Income/Other Operating Expenses

The balance of other operating income and expenses amounted to \in -2.8 million in the first half year of 2023 and \in +2.3 million in the same period of the previous year. The amounts for 2023 mainly include expense subsidies of \in 1.7 million (previous year: \in 1.7 million) and net currency losses of \in 4.3 million (previous year: net currency gains of \in 0.8 million).

Operating Profit

After \in 60.1 million in the first half year of 2022, the operating result in the first six months of 2023 was \in 56.3 million. This corresponds to decrease of \in 3.8 million or 6.2%. The operating profit margin, the ratio of operating profit to sales, declined from 13.6% in the first six months of 2022 to 11.3% in the first half year of 2023. The main reasons for the increase in operating expenses were the continuation of the growth strategy, which also had an impact in 2023, and the creation of joint IT structures, which impacted earnings development.

Financial Results

With \notin -1.5 million in the first half year 2023, net financial result was below the prior year's level (\notin -0.1 million). This was due in particular to increased financial expenses as a result of the higher volume of liabilities to banks and a simultaneous rise in interest rates.

Income Taxes

The tax rate in the first six months of the current year was 27.3%, below the level of previous year (29.0%). As a result of this and the development of earnings before taxes, tax expenses fell from \notin 17.4 million to \notin 15.0 million. There were no structural changes.

Net income / Earnings per share

With € 39.8 million, net income in the first half year of 2023 was € 2.8 million lower in comparison to the previous year (€ 42.6 million). The return on sales after taxes amounted to 8.0% in 2023 after 9.7% in the previous year. Parallel to net income, earnings per share also developed in a negative. After € 4.32 in the first half of 2022, a value of \in 4.04 has currently been reached. This corresponds to a decrease of 6.5%.

Financial Position

The total assets of the Pfeiffer Vacuum Group increased by \in 50.5 million, or 5.8%, from € 863.7 million as of December 31, 2022, to € 914.2 million as of June 30, 2023. On the assets side of the balance sheet, this development resulted from various items, with the increase in property, plant and equipment from € 226.7 million to € 252.2 million as a result of investment activity making a very significant contribution to this. In addition, trade receivables increased by € 17.7 million to € 170.9 million and cash and cash equivalents by \in 8.7 million to \in 76.6 million compared with December 31, 2022, thus contributing to the increase in the balance sheet total. By contrast, inventories fell from € 249.0 million to € 244.0 million. In particular, the decrease in raw materials by € 10.6 million to € 93.5 million had an impact. Details on the development of cash and cash equivalents can be found in the following section "Cash flow".

As of June 30, 2023, Group equity amounted to € 561.1 million and was thus € 29.7 million higher than at the end of the previous fiscal year (€ 531.4 million). This was due to the dividend payment of € 1.1 million, which is offset by earnings after taxes (€ 39.8 million) generated in the first half of 2023. In addition, there was a net decrease of € 9.0 million in other equity components. This was almost exclusively due to the recognition of currency translation differences. The equity ratio was virtually unchanged from the previous year and amounted to 61.4% as of June 30, 2023 (previous year: 61.5%). In connection with the reduction in raw materials, trade accounts payable also decreased significantly. To finance this development, current financial liabilities were significantly expanded (€ 100.9 million as of June 30, 2023; € 68.2 million as of December 31, 2022).

Cash Flow

With \in 20.7 million, operating cash flow in the first half of 2023 was lower by \in 1.9 million compared to the same period of the previous year ($\in 22.6$ million). This represents a decrease by 8.6%. In particular, the sales-related increase in receivables and the decrease in liabilities had a negative impact on operating cash flow in the first half of 2023. By contrast, the increase in depreciation, amortization and impairment losses on property, plant and equipment and intangible assets and the development of other non-cash items had a positive impact on operating cash flow.

Totaling € 42.0 million in the first six months of 2023, capital expenditures were significantly higher compared to the previous year's level (€ 29.8 million). Overall, the

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cash outflow from investing activities amounted to \in 41.1 million in the first six months of 2023 (previous year: \in 29.6 million).

The repayment portion of lease payments in the amount of \in 3.4 million (previous year: \in 2.6 million) and the proceeds from increase of financial liabilities in the amount of \in 32.7 million (previous year: \in 25.0 million) together with the dividend payment of \in 1.1 million (previous year: \in 40.3 million) led to a total cash inflow from financing activities of \in 28.2 million in the first half of 2023 (previous year: cash outflow of \in 17.9 million).

Considering currency effects, the total cash inflow amounted to \in 8.7 million (previous year: cash outflow of \in 25.3 million) and led to an increase in cash and cash equivalents to \in 76.6 million.

Workforce

As of June 30, 2023, the Company employed a workforce of 4,024 people, 1,294 of them in Germany and 2,730 in other countries.

Workforce

	Germany		Other countries		Total	
			June 3	30,		
	2023	2022	2023	2022	2023	2022
Manufacturing and Service	730	644	1.828	1.727	2.558	2.371
Research and Development	113	110	173	154	286	264
Sales and Marketing	265	245	501	432	766	677
Administration	186	127	228	200	414	327
Total	1,294	1,126	2,730	2,513	4,024	3,639

Risk and Opportunities Report

During the first six months of the 2023 fiscal year, there have been no significant changes to the opportunities and risks presented in the Annual Report (Geschäftsbericht) for the year ended December 31, 2022. The Annual Report is available on our homepage at group.pfeiffer-vacuum.com.

Mayor Events after the Balance Sheet Date

After the end of the first half year 2023, there has not been any significant change in the industry environment.

Based on an instruction from Pangea GmbH, Maulburg, Pfeiffer Vacuum Technology AG reorganized its financing structures in July 2023. After its own legal review and approval by the Supervisory Board, Pfeiffer Vacuum Technology AG, together with a downstream Group company, joined the higher-level credit agreement of Busch SE as guarantor. At the same time, the previously existing credit facility with a credit institution was terminated and the liquidity supply was secured through an intercompany financing facility with Busch SE, Maulburg, as well as a supplementary credit facility with a credit institution (see also Note 15 to the interim consolidated financial statements). This further strengthened the financing position of Pfeiffer Vacuum Technology AG and the Pfeiffer Vacuum Group and put it on a longer-term basis. The intercompany financing facility amounts to a total of € 130.0 million and provides, among other things, for a variable interest rate based on Euribor plus a margin for a term of nearly 5 years, assuming utilization of € 100.0 million in July 2023. In addition, the agreement includes a variable interest component based on the utilization of the credit facility and an upfront fee. In our opinion, all contractual terms are in line with the arm's length principle. Due to the fact that the agreement was not concluded until after the balance sheet date, there was no impact on the net assets, financial position or results of operations of the Pfeiffer Vacuum Group as of June 30, 2023.

Outlook

The company confirms its previous outlook and continues to expect consolidated sales for the full year 2023 to be roughly at the level of the financial year 2022 (\in 916.7 million). Sales volumes are likely to be affected by a decline in order volumes in the second half of 2023; this is mainly due to conditions in the semiconductor market. The forecast for EBIT margin for the full year 2023 is unchanged from the previous outlook at around 12%. Unchanged investments of around \in 100 million are planned for the fiscal year 2023.

Consolidated Statements of Income (unaudited)

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		Three months ended June 30,		s ended 30,	
	2023	2022	2023	2022	
	in K€	in K€	in K€	in K€	
Net sales	243,653	224,655	496,711	440,613	
Cost of sales	-156,602	-145,309	-312,042	-282,519	
Gross profit	87,051	79,346	184,669	158,094	
Selling and marketing expenses	-25,031	-23,179	-49,619	-45,221	
General and administrative expenses	-27,525	-19,892	-56,271	-37,230	
Research and development expenses	-10,093	-8,974	-19,620	-17,843	
Other operating income	3,344	4,748	7,265	7,756	
Other operating expenses	-3,661	-3,318	-10,098	-5,487	
Operating profit	24,085	28,731	56,327	60,069	
Financial expenses	-1,126	-137	-1,933	-233	
Financial income	217	78	409	143	
Earnings before taxes	23,176	28,672	54,803	59,979	
Income taxes	-6,176	-8,315	-14,961	-17,394	
Net income	17,000	20,357	39,842	42,585	
Earnings per share (in €):					
Basic	1.72	2.06	4.04	4.32	
Diluted	1.72	2.06	4.04	4.32	

	Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022
	in K€	in K€	in K€	in K€
Net income	17,000	20,357	39,842	42,585
Other comprehensive income				
Amounts to be reclassified to income statement in future periods (if applicable)				
Currency changes	-2,134	10,244	-8,498	13,424
Results from cash flow hedges	-91	-145	-31	-121
Related deferred income tax effects	23	41	8	34
	-2,202	10,140	-8,521	13,337
Amounts not to be reclassified to income statement in future periods				
Valuation of defined benefit plans	-789	23,415	-756	23,361
Related deferred income tax effects	223	-6,866	227	-6,856
	-556	16,549	-529	16,505
Other comprehensive income net of tax	-2,758	26,689	-9,050	29,842
Total comprehensive income net of tax	14,242	47,046	30,792	72,427

Consolidated Statements of Comprehensive Income (unaudited)

See accompanying notes to the interim financial statements.

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Consolidated Balance Sheets (unaudited)

	June 30, 2023	December 31, 2022
	in K€	in K€
Assets		
Intangible assets	108,850	106,467
Property, plant and equipment	252,161	226,664
Investment properties	316	328
Other financial assets	5,260	4,985
Other assets	667_	640
Deferred tax assets	24,102	23,806
Total non-current assets	391,356	362,890
Inventories	244,044	248,993
Trade accounts receivable	170,863	153,154
Contract assets	4,063	3,506
Income tax receivables	4,546	3,641
Prepaid expenses	9,121	10,356
Other financial assets	251	257
Other accounts receivable	13,422	13,095
Cash and cash equivalents	76,572	67,840
Total current assets	522,882	500,842
Total assets	914,238	863,732
Shareholders' equity and liabilities		
Share capital	25,261	25,261
Additional paid-in capital	96,245	96,245
Retained earnings	454,856	416,099
Other equity components	-15,301	-6,251
Equity of Pfeiffer Vacuum Technology AG shareholders	561,061	531,354
Financial liabilities	12,596	7,858
Provisions for pensions	37,850	36.709
Deferred tax liabilities	4,271	4,064
Contract liabilities	1,638	1,497
Total non-current liabilities	56,355	50,128
Trade accounts payable	67,243	86,158
Contract liabilities	33,812	28,508
Other accounts payable	36,056	33,112
Provisions	51,983	50,748
Income tax liabilities	6,839	15,549
Financial liabilities	100,889	68,175
Total current liabilities	296,822	282,250
Total shareholders' equity and liabilities	914.238	863,732

Consolidated Statements of Shareholders' Equity (unaudited)

	Share Capital	Additional Paid-in Capital	Retained Earnings	Other Equity _Components	Equity of Pfeiffer Vacuum Technology AG Shareholders
	in K€	in K€	in K€	in K€	in K€
Balance on Jan. 01, 2022	25,261	96,245	370,007	-32,137	459,376
Net income	-	-	42,585	-	42,585
Other comprehensive income	-	-	-	29,842	29,842
Total comprehensive income	-	-	42,585	29,842	72,427
Dividend payment	-	-	-40,260	-	-40,260
Balance on June 30, 2022	25,261	96,245	372,332	-2,295	491,543
Balance on Jan. 01, 2023	25,261	96,245	416,099	-6,251	531,354
Net income	-	-	39,842	-	39,842
Other comprehensive income	-	-	-	-9,050	-9,050
Total comprehensive income	-	-	39,842	-9,050	30,792
Dividend payment	-	-	-1,085	-	-1,085
Balance on June 30, 2023	25,261	96,245	454,856	-15,301	561,061

Consolidated Statements of Cash Flows (unaudited)

	Six months ende	d June 30,
	2023	2022
	in K€	in K€
Cash flow from operating activities:		
Net income	39.842	42,585
Depreciation/amortization	16,585	14,509
Other non-cash income/expenses	8,593	3,264
Effects of changes of assets and liabilities:		-,
Inventories	-6,839	-40,653
Receivables and other assets	-23,012	-16,235
Provisions, including pensions, and income tax liabilities	-6,482	-4,462
Payables, other liabilities	-8,016	23,619
Net cash provided by operating activities	20,671	22,627
Cash flow from investing activities:		
Capital expenditures	-41,954	-29,807
Proceeds from disposals of fixed assets	826	241
Net cash used in investing activities	-41,128	-29,566
Cash flow from financing activities:		
Proceeds from increase of financial liabilities	32,682	25,002
Principal elements of lease payments	-3,371	-2,607
Dividend payment	-1,085	-40,260
Net cash provided by/ used in financing activities	28,226	-17,865
Effects of foreign exchange rate changes on cash and cash equivalents	963	-523
Net change in cash and cash equivalents	8,732	-25,327
Cash and cash equivalents at beginning of period	67,840	99,371
Cash and cash equivalents at end of period		
Cash and Cash equivalents at end of period	76,572	74,044

1. The Company and Basis of Presentation

The parent company within the Pfeiffer Vacuum Group ("the Company" or "Pfeiffer Vacuum") is Pfeiffer Vacuum Technology AG, domiciled at Berliner Strasse 43, 35614 Asslar, Germany. Pfeiffer Vacuum Technology AG is a stock corporation organized under German law and recorded in the Register of Companies at the Local Court of Wetzlar under Number HRB 44. The Company is listed on the Prime Standard of the Deutsche Börse Stock Exchange in Frankfurt am Main, Germany, where it is included in the SDAX index.

Pfeiffer Vacuum is one of the leading full-line vacuum technology manufacturers, offering custom solutions for a wide range of needs in connection with the generation, control and measurement of vacuum. The product portfolio includes turbopumps, a range of backing pumps, such as rotary vane, Roots and dry pumps, complete pumping stations, as well as custom vacuum systems, vacuum chambers and components.

Pfeiffer Vacuum markets and distributes its products through its own network of sales companies and independent marketing agents. Moreover, there are service support centers in all major industrial locations throughout the world. The Company's primary markets are located in Europe, the United States and Asia.

The Consolidated Financial Statements of Pfeiffer Vacuum Technology AG have been prepared in accordance with International Financial Reporting Standards (IFRS) and the interpretations of the IFRS Interpretations Committee (IFRS IC) as applicable in the European Union (EU). This includes the International Accounting Standards (IAS), which continue to retain their validity, the interpretations of the Standing Interpretations Committee (SIC) and the interpretations of the International Financial Reporting Interpretations Committee (IFRIC).

Pfeiffer Vacuum prepares its Consolidated Interim Report ("Interim Report") in euros (\in). Unless otherwise indicated, the presentation is in thousands of euros (K \in). For mathematical reasons, the numbers presented in this Interim Report may include rounding differences.

2. Accounting and Valuation Methods

In preparing this interim report as of June 30, 2023, IAS 34 "Interim Financial Reporting" was applied. In doing so, basically the same accounting and valuation methods as in the Consolidated Financial Statements for the fiscal year ended December 31, 2022 were used. Please refer to the detailed description of these methods in the Notes to the Consolidated Financial Statements 2022, which are available in the internet at group.pfeiffer-vacuum.com.

However, the following additions apply from fiscal year 2023 onwards after the DPLTA with Pangea GmbH became effective on May 16, 2023:

During the financial year the obligation to transfer the net income of Pfeiffer Vacuum Technology AG under German commercial law as a result of the DPLTA is initially regarded as a contingent liability pursuant to IAS 37.10. The scope of the obligation arises and is substantiated only upon preparation of the separate financial statements of Pfeiffer Vacuum Technology AG as of December 31 of a fiscal year in accordance with German commercial law, thus for the first time as of December 31, 2023. Only at this point in time an obligation until then not to be recognized as a contingent liability actually will be recognized in the balance sheet with the amount substantiated for the respective past fiscal year. This liability will be reported under liabilities to shareholders and will be charged directly to retained earnings. The same principles apply analogously in the case of a claim arising from possible loss compensation. The DPLTA did not have any effect on the interim consolidated financial statements as of June 30, 2023.

One objective of the conclusion of the DPLTA was the formation of a fiscal unity for income tax purposes already for the current fiscal year 2023. Accordingly, the tax liability is transferred to Pangea GmbH as the fiscal unity parent. At the same time, a tax allocation of Pangea GmbH will result in current income taxes attributable to the taxable income of Pfeiffer Vacuum Technology AG (including its subsidiaries within the fiscal unity) being charged by way of a tax allocation. In the absence of a related specific provision in IAS 12 "Income Taxes" and in accordance with a substance over form approach based on the provisions of U.S. GAAP, the related expenses will continue to be reported as current tax expense in the consolidated statements of income. In the consolidated balance sheets, the corresponding liabilities will be recorded as a liability to shareholders within other liabilities. According to this approach, deferred taxes on temporary differences continue to be recognized in accordance with the general principles, even if the temporary differences are realized in the period of the tax grouping with Pangea GmbH. The presentation of current taxes has changed only insignificantly (in the context of the asset position and the presentation of receivables and liabilities from current taxes), the presentation of deferred taxes has not affected the net assets, financial position and results of operations of the Pfeiffer Vacuum Group as of June 30, 2023.

The estimates and management judgements underlying the accounting and valuation can affect the amounts and reporting of assets and liabilities at the balance sheet date and the amounts of income and expense reported for the period. Due to the currently unforeseeable global consequences of the geopolitical situation, these accounting estimates and management judgements are subject to increased uncertainty. Actual amounts may differ from the estimates and management judgements; changes can have a material impact on the Interim Consolidated Financial Statements. With the update of the accounting estimates and management judgements, available information on the expected economic developments and country-specific governmental measures have been included especially in the analysis of the recoverability and collectability of trade accounts receivables and contract assets on the balance sheet date. Furthermore, the measurement of provisions and the

measurement of the net realizable value of inventories have been updated. There were no significant effects on the Consolidated Interim Financial Statements.

The use of government aid measures in connection with the COVID-19 situation (such as short-time work, reimbursement of social security contributions, grants) had no effect on operating profit in the current fiscal year 2023 (previous year: \in 0.2 million, included in various lines of the income statement).

3. Intangible Assets

Intangible assets consist of the following:

Intangible assets

	June 30, 2023	December 31, 2022
	in K€	in K€
Goodwill	62,749	63,694
Customer Base	10,902	11,903
Software	4,326	4,745
Software before implementation	29,587	24,541
Other intangible assets	1,286	1,584
Total intangible assets	108,850	106,467

4. Property, Plant and Equipment

Property, plant and equipment (including right-of-use assets) comprised the following:

Property, Plant and Equipment

	June 30, 2023	December 31, 2022
	in K€ 97,045	in K€
Land and buildings	97,045	94,686
Technical equipment and machinery	72,239	70,927
Other equipment, factory and office equipment	24,007	22,632
Construction in progress	58,870	38,419
Total property, plant and equipment (excl. right-of-use assets)	252,161	226,664

5. Inventories

Inventories consist of the following:

Inventories

	June 30, 2023	December 31, 2022
	in K€	in K€
Raw materials	93,546	104,141
Work-in-process	46,608	51,757
Finished products	103,890	93,095
Total inventories, net	244,044	248,993

6. Paid Dividends

At the Annual Shareholders' Meeting on May 02, 2023, the shareholders resolved a dividend of \in 0.11 per share for the year 2022. Thus, a total of \in 1,085,442.49 was paid to the shareholders.

7. Financial Liabilities

Financial liabilities were comprised as follows:

Financial Liabilities

	June 30, 2023	December 31, 2022
	in K€	in K€
Loans	-	-
Lease liabilities	12,596	7,858
Non-current financial liabilities	12,596	7,858
Liabilities to banks	96,277	63,597
Lease liabilities	4,612	4,578
Current financial liabilities	100,889	68,175
Total financial liabilities	113,485	76,033

8. Pension Benefits

Pension expense for all plans included the following components:

Pension Expense for All Plans

		Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022	
	in K€	in K€	in K€	in K€	
Service cost	831	917	1,668	1,824	
Interest cost	311	174	622	354	
Net pension cost	1,142	1,091	2,290	2,178	

9. Warranty

Warranty provisions developed as follows:

Warranty provisions

	Six months e June 30,	
	2023	2022
	in K€	in K€
Balance on January 1	18,323_	13,916
Currency changes		103
Additions	4,188	5,221
Utilization	-3,996	-1,987
Balance on June 30	18,364	17,253

10. Other liabilities

 \in 3.6 million of the other liabilities related to liabilities to the shareholder for the first time. These liabilities result from the recognition of the tax allocation (see also Note 2).

11. Earnings per Share

The following table sets forth the computation of basic and diluted earnings per share:

Earnings per Share

	Three mor June	nths ended e 30,	Six mont June		
Neighted average number of shares Number of conversion rights	2023	2022	2023	2022	
Net income (in K€)	17,000	20,357	39,842	42,585	
Weighted average number of shares	9,867,659	9,867,659	9,867,659	9,867,659	
Number of conversion rights	-	-	-	-	
Adjusted weighted average number of shares	9,867,659	9,867,659	9,867,659	9,867,659	
Earnings per share in € (basic/diluted)	1.72	2.06	4.04	4.32	

12. Segment Reporting

Segment Reporting as of June 30, 2023 (in K €)

	Germany	France	Rest of Europe	USA	USA Produ- ction	Republic of Korea	Rest of Asia	All Others	Consoli- dation	Group
									-	
Net sales	178,,345	159,247	71,455	84,354	51,640	63,393	104,352	44,492	-260,567	496,711
Third party	85,938	41,478	71,111	83,577	45,598	52,078	90,879	26,052	-	496,711
Intercompany	92,407	117,769	344	777	6,042	11,315	13,473	18,440	-260,567	-
Operating profit	28,024	10,231	6,121	3,482	7,259	1,547	9,844	-10,181	-	56,327
Financial income	-1,089	-159	3	535	-427	88	-306	-169	-	-1,524
Earnings before taxes	26,935	10,072	6,124	4,017	6,832	1,635	9,538	-10,350	-	54,803
Segment assets	175,177	193,470	56,254	83,839	71,183	97,661	133,737	102,917	-	914,238
Thereof assets according to IFRS 8.33 (b) ¹	69,453	95,497	1,821	23,941	23,538	46,534	16,535	65,291	-	342,610
Segment liabilities	162,566	92,008	15,052	9,535	8,020	18,142	28,906	18,948	-	353,177
Capital expenditures:	,	,	,	,	,	,	,	,		, , , , , , , , , , , , , , , , , , , ,
Property, plant and equipment ²	11,328	5,076	699	704	1,100	11,619	1,087	4,919	-	36,532
Intangible assets	202	2,269	2	-	-	-	-	2,949	-	5,422
Depreciation ³	3,657	3,587	651	1,241	483	1,276	1,898	2,037	-	14,830
Amortization	,226	,217	1	,4	884	1,	8,	414,	-	1,755

¹ Non-current assets other than financial instruments, deferred tax assets and prepaid pension cost

² Including investment properties and excluding additions of right-of-use assets from leases

³ Including right-of-use assets from leases and investment properties

					USA					
	Germany	France	Rest of Europe	USA	Produ- ction	Republic of Korea	Rest of Asia	All Others	Consoli- dation	Group
Net sales	142,172	164,317	58,969	83,986	40,980	57,969	92,733	31,321	-231,834	440,613
Third party	67,139	46,789	58,665	83,446	32,482	55,256	80,274	16,562	-201,004	440,613
Intercompany	75.033	117.528	304	540	8.498	2.713	12,459	14,759	-231.834	-
Operating profit	15,139	17,773	4,707	2,178	3,761	2,997	9,008	4,506	-	60,069
Financial income	118	-92	-20	509	-398	59	-151	-115	-	-90
Earnings before taxes	15,257	17,681	4,687	2,687	3,363	3,056	8,857	4,391	-	59,979
Segment assets	164,878	173,092	40,853	85,741	69,144	76,571	100,368	52,770	-	763,417
Thereof assets according to IFRS 8.33 (b) ¹	69.345	85.621	1.537	26,074	26.889	26,943	15,150	30.051	_	281,610
Segment liabilities	95,650	96,892	12,746	11,558	12,998	13,315	19,780	8,935	-	271,874
Capital expenditures: Property, plant and		00,002	12,110	11,000	12,000	10,010	10,100	0,000		271,071
equipment ²	7,364	5,101	150	1,312	537	8,350	818	1,546	-	25,178
Intangible assets	2,172	2,434	-	-	-	-	-	23	-	4,629
Depreciation ³	3,166	2,854	634	1,196	425	875	1,661	1,499	-	12,310
Amortization	643	258	5	333	874	1	18	67	-	2,199

Segment Reporting as of June 30, 2022 (in K €)

¹ Non-current assets other than financial instruments, deferred tax assets and prepaid pension cost

² Including investment properties and excluding additions of right-of-use assets from leases

³ Including right-of-use assets from leases and investment properties

13. Income Tax Expense

Under German corporate tax law, taxes on income are composed of corporate taxes, trade taxes and an additional surtax.

The Company's effective tax rate was 27.3% for the first six months of 2023 and for the second quarter, respectively and was thus slightly below the figure for the comparative period (2022: 29.0%).

14. Independent Auditor

At the Annual General Meeting on May 2, 2023, the Supervisory Board proposed, and the Shareholders elected PricewaterhouseCoopers GmbH, Wirtschaftsprüfungsgesellschaft, Frankfurt am Main, Germany, as the independent auditor of both the accounts of the Company and the consolidated accounts for the 2023 fiscal year. 27

15. Major Related Party Transactions

In preparing the Interim Consolidated Financial Statements as of June 30, 2023, all transactions between Group companies have been eliminated. All other transactions with related parties are of minor importance for the presentation of the Group's net assets, financial position and results of operations.

At the Annual General Meeting on May 2, 2023, the Supervisory Board announced that the Executive Board service contract with Dr. Britta Giesen had been extended for the period from January 1, 2024 to December 31, 2028.

Another key item on the agenda of this year's Annual General Meeting was the proposed approval of the conclusion of a DPLTA with Pangea GmbH, a wholly owned subsidiary of Busch SE. The shareholders approved the agreement with a majority of 86.58% of the capital stock represented at the time of the resolution. Following the entry in the Commercial Register, the DPLTA became effective on May 16, 2023. The obligation to transfer the entire profit of Pfeiffer Vacuum thus exists retroactively for the entire fiscal year commencing on January 1, 2023.

Asslar, August 1, 2023

Pfeiffer Vacuum Technology AG

Management Board

Dr. Brítta Gíesen

Wolfgang Ehrk

Dr. Britta Giesen

Wolfgang Ehrk

Certification of the Legal Representatives

We hereby certify that, to the best of our knowledge and in accordance with the principles of due group interim reporting, the Consolidated Interim Financial Statements provide a true and fair view of the Group's net worth, financial position and results of operations, that the Consolidated Interim Management Report presents the course of business, including the results of operations and the Group's position, such as to provide a true and fair view and that the major opportunities and risks relating to the anticipated development of the Group in the remaining financial year are described.

Asslar, August 1, 2023

Pfeiffer Vacuum Technology AG

Management Board

Dr. Brítta Gíesen

Wolfgang Ehrk

Dr. Britta Giesen

Wolfgang Ehrk

Additional Information

Financial Calendar 2023

• 3rd Quarter 2023 (9-Months) Results Thursday, November 2, 2023

Contact

Investor Relations

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This version of the Half Year Financial Report is a translation of the German version. Only the German version is binding.