(CDAX, Industrial Goods & Services, LPK GR)



Buy eur 15.00		Value Indicators: DCF: FCF-Value Potential 25e:	15.44	Warburg ESG Risk Score: ESG Score (MSCI based): Balance Sheet Score: Market Liquidity Score:	<b>3.0</b> 2.0 5.0 2.0	<b>Description:</b> Highly specialised machine manufacturer developing lase applications for special purpo	
		Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2023e
		Market cap:	203.3	Freefloat	100.00 %	Beta:	1.3
Price	EUR 8.30	No. of shares (m):	24.5	Small Cap World Fund	5.00 %	Price / Book:	2.1 x
Upside	80.7 %	EV:	198.2	JPMorgan AM	3.00 %	Equity Ratio:	74 %
		Freefloat MC:	203.3	Société Générale	3.00 %		
		Ø Trad. Vol. (30d):	327.76 th	UBS	3.00 %		

## Growing order backlog provides solid visibility well into 2024

Stated Figure	es Q2/2	023:						Comment on Figures:
FY End: 31.12. in EUR m	Q2 23	Q2 23e	Q2 22	6N yoy 23		6M 22	уоу	<ul> <li>Q2 figures in line with our expectations and the company's targets EUR 25-30m, EBIT EUR -3m to 1m)</li> </ul>
Sales EBITDA	27.7	27.1 1.5	29.7 2.8	-7 % <b>47</b> .		55.5 5.7	-14 % n.a.	<ul> <li>Sales decline mainly driven by lower Solar revenues (EUR 6.9m; yoy) compared to the exceptionally strong Q2 2022</li> </ul>
Margin EBIT Margin	6.7 % - <b>0.4</b>	5.6 % -0.7	9.3 % 0.7 2.3 %	-5.2 % n.a. <b>-7.</b>	-6.0 %	10.3 % 1.7	n.a.	<ul> <li>Electronics grew by 28% due to a solid demand from Western custo while Asia remains weak</li> <li>EBIT decreased as a result of lower sales and ramp-up costs for Ar</li> </ul>

LPKF released its results for the second quarter, which were in line with the company's targets (sales EUR 25-30m, EBIT -3m to 1m) and our estimates (sales EUR 27.1m, EBIT -0.7m). Sales dropped by 7.0% yoy to EUR 27.1m. The decline was mainly driven by Solar, which fell 47% yoy to EUR 6.9m. The segment usually shows quarterly volatility and had its peak in Q2 last year with EUR 13m, while we expect this year's peak to be in Q4. All other segments grew by more than 20% compared to Q2 2022.

Especially Electronics was able to increase its top line in Q2 by 27.9% yoy to EUR 7.8m, despite the challenging market environment in this sector. This was driven by new product innovations that have been well received by the market, such as the Tensor depaneling technology and new semiconductor applications, but also by the current re-shoring trend and higher standards in North America and Europe regarding precision and automation. Group EBIT declined from EUR 0.7m to EUR -0.4m as a result of lower sales and increased development and ramp-up costs for LIDE and Arralyze. Moreover, LPKF is already in production for the large solar order that will generate the corresponding revenue in Q4.

The solid demand for LPKF's products is also reflected in the order backlog, which increased by 48% yoy to EUR 81.4m, of which EUR 55m are scheduled for delivery this year. Considering the usually short lead times, with the exception of the Solar segment, we believe that an order backlog of EUR 25m for 2024 in H1 provides solid visibility for growth next year. Against this background, LPKF has slightly adjusted its sales target for the full year from EUR 125-140m to EUR 125-135m and confirmed its EBIT margin target of 3-7%. For the third quarter, LPKF aims for EUR 28-33m in sales and EBIT of EUR -1m to 3m.

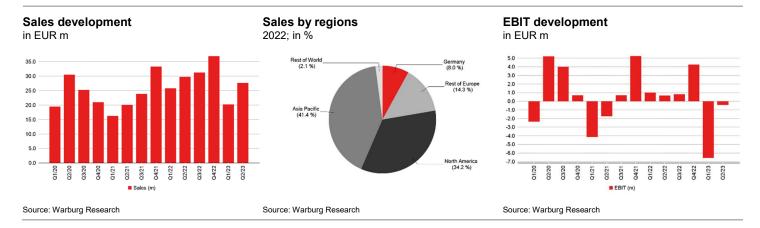
In Q3, we expect LPKF to reach the upper half of its target range with sales of EUR 31.7m and EBIT of EUR 2.6m (EBIT margin 8.3%). This and our unchanged forecast for the full year (sales EUR 132m, EBIT margin 4.1%) implies a significant gog improvement in the last guarter. The increased Q4 top line of EUR 52m (+42% yoy, +65% yoy) should be mainly driven by the delivery of the large solar project, but accompanied by sales growth in Electronics and Welding. Due to LPKF's high gross margin (H1 73.4%) and the resulting high scalability, the increased sales volume should lead to a significant increase in profitability and an EBIT margin of 18.8% in Q4.

With Q2 figures in line with the company's planning and our expectations, and increased visibility for an improving development in H2 and especially Q4, we confirm our estimates, our price target of EUR 15 and our Buy recommendation for LPKF.

115       Change Sales yoy       16.7 %       -31.3 %       -2.8 %       32.2 %       6.6 %       26.0 %       13.8 %         105       0       0       0       74.7 %       70.1 %       682.2 %       70.1 %       695.5 %         105       0       0       0.1 %       74.7 %       70.1 %       682.2 %       70.1 %       695.5 %         105       0       0.1 %       75.5 %       11.4 %       30.8 %       39.6 %         105       0       0.1 %       7.5 %       10.1 %       14.4 %       30.8 %       39.6 %         105       0       0.1 %       5.5 %       4.1 %       12.8 %       19.2 %       15.6 %       11.1 %       30.8 %       39.6 %         0       0.92 %       15.4 %       8.1 %       12.2 %       10.9 %       18.5 %       20.9 %         0       0.92 %       15.6 %       13.1 %       5.3 %       0.1 %       5.5 %       4.1 %       12.8 %       15.6 %         1072 %       102.8 %       0.54 %       0.22 %       0.00 %       0.07 %       0.16 %       0.61 %       0.85 %         11 month:       -3.7 %       75.2 %       11.7 %       0.30 %       0.1 %       0.10 %	13		FY End: 31.12. in EUR m	CAGR (22-25e)	2019	2020	2021	2022	2023e	2024e	2025e
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				15.2 %							189.2
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		<b>m n n n n</b>	0 , ,								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10.5 -	Mr. Ar									
Bit month:       -35.2 %       19.2       7.5       0.1       6.8       5.5       21.3       29.5         Margin       132.6 %       13.7 %       7.8 %       0.1 %       5.5 %       4.1 %       12.8 %       15.6 %         Net income       132.6 %       13.1       5.3       -0.1       1.7       3.8       15.1       20.5         PKF Laser & Electonics       CDAX (normalised)       129.8 %       0.54       0.22       0.00       0.07       0.16       0.61       0.88         PS       129.8 %       0.54       0.22       0.00       0.07       0.16       0.61       0.88         DPS       -0.10       0.10       0.00       0.00       0.20       0.20       0.20         Dividend Yield       -1.1 %       0.5 %       n.a.       n.a.       2.4 %       2.4 %       2.4 %         FCFPS       1.1.72       -0.23       -0.03       0.01       -0.18       0.92       1.05         FCF / Market cap       15.5       5.1 x       5.9 x       2.2 x       1.5 x       1.1 x       0.89         V / EBIT DA       7.7 x       33.2 x       72.1 x       17.9 x       13.8 x       5.7 x       3.7 x <t< td=""><td></td><td>A la</td><td></td><td>37.8 %</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		A la		37.8 %							
Bin       63.2 %       19.2       7.3       0.1       0.8       5.3       21.3       29.5         Margin       13.7 %       7.8 %       0.1 %       5.5 %       4.1 %       12.8 %       15.6 %         09/22       11/22       01/23       03/23       05/23       07/23       13.1       5.3       -0.1       1.7       3.8       15.1       20.5         EPS       129.8 %       0.54       0.22       0.00       0.07       0.16       0.61       0.85         EPS       129.8 %       0.54       0.22       0.00       0.07       0.16       0.61       0.86         DPS       -       -       0.10       0.10       0.00       0.00       0.20       0.20       0.22         1 month:       -3.7 %       6       0.54       0.22       0.00       0.07       0.16       0.61       0.85         Year to date:       -35.2 %       11.72       -0.23       -0.03       0.01       -0.18       0.92       1.02         Year to date:       -28.3 %       EV / Sales       1.5x       5.1x       5.9x       2.2x       1.5x       1.1x       0.83         26.10.23       0.23       EV / EBIT		Non.									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		m		63.2 %							
Product of the second secon		when									
Observed for the output out	7.5 - V		Net income	132.6 %	13.1	5.3	-0.1	1.7	3.8	15.1	20.9
LPKF Laser & Electronics — CDAX (normalised)       EPS adj.       129.8 %       0.54       0.22       0.00       0.07       0.16       0.61       0.85         Rel. Performance vs CDAX:       DPS       -       0.10       0.10       0.00       0.00       0.20	7	123 07/23	EPS	129.8 %	0.54	0.22	0.00	0.07	0.16	0.61	0.85
DPS       -       0.10       0.10       0.00       0.00       0.20       0.20       0.20         Rel. Performance vs CDAX:       -       Dividend Yield       1.1%       0.5%       n.a.       n.a.       2.4%       2.4%       2.4%         1 month:       -3.7%       -3.7%       1.72       -0.23       -0.03       0.01       -0.18       0.92       1.05%         6 months:       -35.2%       FCF / Market cap       18.3%       -1.1%       -0.1%       0.1%       -2.2%       11.1%       12.9%         Year to date:       -28.5%       EV / Sales       1.5 x       5.1 x       5.9 x       2.2 x       1.5 x       1.1 x       0.83         Trailing 12 months:       -28.3%       EV / EBITDA       7.7 x       33.2 x       72.1 x       17.9 x       13.8 x       5.7 x       3.7 x         26.10.23       -28.3       FCF Potential Yield       10.8 x       65.4 x       n.a.       163.0 x       51.9 x       13.6 x       96.5 x         26.10.23       -28       Met Debt       17.4 x       93.8 x       n.a.       163.0 x       51.9 x       13.6 x       96.5 x         26.10.23       COGE (NOPAT)       16.5%       7.4%       0.0%			EPS adj.	129.8 %	0.54	0.22	0.00	0.07	0.16	0.61	0.85
1 month:       -3.7 %         6 months:       -35.2 %         Year to date:       -28.5 %         Trailing 12 months:       -28.3 %         6.10.23       -28.3 %         Qaster Company events:       26.10.23         Qaster Company events:       0.1 %         P/ E       17.4 x       93.8 x       n.a.         163.0 x       51.9 x       51.9 x       51.9 x       51.9 x         P/ E       17.4 x       93.8 x       n.a.       163.0 x       51.9 x       13.6 x       96.5 x         Net Debt       -22.1       -12.8       -9.6       -9.6       -5.2       -27.8       -53.6 x         Net Debt       -22.1       -12.8       -9.6       -9.6       -5.2       -27.8       -53.6 x	LPKF Laser & Electronics CDAX (non	malised)	DPS	-	0.10	0.10	0.00	0.00	0.20	0.20	0.20
1 month:       -3.7 %       FCFPS       1.72       -0.23       -0.03       0.01       -0.18       0.92       1.05         6 months:       -35.2 %       18.3 %       -1.1 %       -0.1 %       0.1 %       -2.2 %       11.1 %       12.9 %         Year to date:       -28.5 %       -28.5 %       1.5 x       5.1 x       5.9 x       2.2 x       1.5 x       1.1 x       0.8 x         Trailing 12 months:       -28.3 %       -28.3 %       FV / EBITDA       7.7 x       33.2 x       72.1 x       17.9 x       13.8 x       5.7 x       3.7 x         Company events:       -28.3 %       FCF Potential Yield       10.8 x       65.4 x       n.a.       163.0 x       51.9 x       13.6 x       9.6 x <td>Rel Performance vs CDAX.</td> <td></td> <td>Dividend Yield</td> <td></td> <td>1.1 %</td> <td>0.5 %</td> <td>n.a.</td> <td>n.a.</td> <td>2.4 %</td> <td>2.4 %</td> <td>2.4 %</td>	Rel Performance vs CDAX.		Dividend Yield		1.1 %	0.5 %	n.a.	n.a.	2.4 %	2.4 %	2.4 %
6 months:       -35.2 %         Year to date:       -28.5 %         -28.3 %       -28.3 %         Company events:       -28.3 %         26.10.23       Q3			FCFPS		1.72	-0.23	-0.03	0.01	-0.18	0.92	1.05
Year to date:       -28.5 %       1.5 x       5.1 x       5.9 x       2.2 x       1.5 x       1.1 x       0.8 x         Trailing 12 months:       -28.3 %       EV / EBITDA       7.7 x       33.2 x       72.1 x       17.9 x       13.8 x       5.7 x       3.7 x         Company events:       26.10.23       Q3       FCF Potential Yield       17.4 x       93.8 x       n.a.       163.0 x       51.9 x       13.6 x       9.6 x         Net Debt       -22.1       -12.8       -9.6       -9.6       -5.2       -27.8       -53.6 x         ROCE (NOPAT)       16.5 %       7.4 %       0.0 %       2.1 %       4.3 %       16.8 %       24.9 %			FCF / Market cap		18.3 %	-1.1 %	-0.1 %	0.1 %	-2.2 %	11.1 %	12.9 %
Trailing 12 months:       -28.3 %       EV / EBIT       10.8 x       65.4 x       n.a.       39.8 x       36.3 x       8.3 x       50.9 x         Company events:       26.10.23       Q3       EV / EBIT       10.8 x       65.4 x       n.a.       163.0 x       51.9 x       13.6 x       9.6 x       9.6 x         Net Debt       -22.1       -12.8       -9.6       -9.6       -5.2       -27.8       -53.6 x         Not Debt       -22.1       16.5 %       7.4 %       0.0 %       2.1 %       4.3 %       16.8 %       24.9 %	6 months:	-35.2 %	EV / Sales		1.5 x	5.1 x	5.9 x	2.2 x	1.5 x	1.1 x	0.8 x
Company events:       P / E       17.4 x       93.8 x       n.a.       163.0 x       51.9 x       13.6 x       9.6 x         26.10.23       Q3       FCF Potential Yield       17.4 x       93.8 x       n.a.       163.0 x       51.9 x       13.6 x       9.6 x       9.6 x         Net Debt       -22.1       -12.8       -9.6       -9.6       -5.2       -27.8       -53.6         ROCE (NOPAT)       16.5 %       7.4 %       0.0 %       2.1 %       4.3 %       16.8 %       24.9 %	Year to date:	-28.5 %	EV / EBITDA		7.7 x	33.2 x	72.1 x	17.9 x	13.8 x	5.7 x	3.7 x
Company events:         P / E         17.4 x         93.8 x         n.a.         163.0 x         51.9 x         13.6 x         9.6 x           26.10.23         Q3         FCF Potential Yield         17.4 x         93.8 x         n.a.         163.0 x         51.9 x         13.6 x         9.6 x         9.6 x           Net Debt         -22.1         -12.8         -9.6         -5.2         -27.8         -53.6           ROCE (NOPAT)         16.5 %         7.4 %         0.0 %         2.1 %         4.3 %         16.8 %         24.9 %	Trailing 12 months:	-28.3 %	EV / EBIT		10.8 x	65.4 x	n.a.	39.8 x	36.3 x	8.3 x	5.0 x
Protection         Protection         Protection         Ref Potential Yield         8.9 %         2.2 %         1.1 %         2.9 %         5.1 %         12.1 %         18.6 %           Net Debt ROCE (NOPAT)         -22.1         -12.8         -9.6         -9.6         -5.2         -27.8         -53.6	5		P/E		17.4 x	93.8 x	n.a.	163.0 x	51.9 x	13.6 x	9.6 x
26.10.23         Q3         FCF Potential Yield         8.9 %         2.2 %         1.1 %         2.9 %         5.1 %         12.1 %         18.6 %           Net Debt ROCE (NOPAT)         -22.1         -12.8         -9.6         -9.6         -5.2         -27.8         -53.6	Company events:		P / E adj.		17.4 x	93.8 x	n.a.	163.0 x	51.9 x	13.6 x	9.6 x
ROCE (NOPAT)         16.5 %         7.4 %         0.0 %         2.1 %         4.3 %         16.8 %         24.9 %		Q3	FCF Potential Yield		8.9 %	2.2 %	1.1 %	2.9 %	5.1 %	12.1 %	18.6 %
			Net Debt		-22.1	-12.8	-9.6	-9.6	-5.2	-27.8	-53.6
Guidance: Sales EUR 125-135m. EBIT margin 3% to 7%			ROCE (NOPAT)		16.5 %	7.4 %	0.0 %	2.1 %	4.3 %	16.8 %	24.9 %
			Guidance:	Sales EUR 12	5-135m. EBI	T margin 3%	to 7%				

Analyst Robert-Jan van der Horst rvanderhorst@warburg-research.com +49 40 309537-290



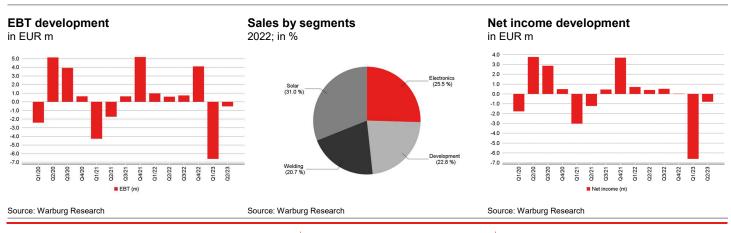


## **Company Background**

- Global market leader/top supplier of laser-based processing tools replacing conventional and non-digital processes.
- · LPKF is an innovation leader and usually the first supplier of new laser-based processing technologies.
- Approx. 50% of revenues are generated with the development and production of PCBs (segments Development and Electronics) where LPKF is global market leader with market shares of up to 65% in its applications.
- LPKF's Solar BU offers laser scriber to producers of thin film solar modules. In the future the new LTP technology will also contribute to this segment.
- The Welding segment offers versatile applications for a range of customer industries including automotive, consumer electronics and healthcare

## **Competitive Quality**

- LPKF is the technologically leading company in the market of laser applications and often first supplier of its customers.
- The high innovative strength of the company ensures the market-leading position and gives LPKF a first-mover advantage in new
  products that offer highly attractive TCO compared to conventional solutions.
- The company holds a dominant market-leading position in selected niches (e.g. in development and solar segment) but there is also some dependency on single customers.
- International service and distribution network fosters close relationships to customers.
- The focused low-asset business model and high R&D efforts offer high scalability and attractive capital returns.





#### DCF model Transitional period Term. Value Detailed forecast period Figures in EUR m 2023e 2024e 2025e 2026e 2027e 2028e 2029e 2030e 2031e 2032e 2033e 2034e 2035e Sales 131.9 166.2 189.2 211.9 235.3 258.8 282.1 306.1 330.5 350.4 364.4 375.3 384.7 Sales change 6.6 % 26.0 % 13.8 % 12.0 % 11.0 % 10.0 % 9.0 % 8.5 % 8.0 % 6.0 % 4.0 % 3.0 % 2.5 % 2.5 % EBIT 21.3 29.5 33.9 38.8 41.4 43.7 47.4 51.2 54.3 56.5 58.2 59.6 5.5 EBIT-margin 4.1 % 12.8 % 15.6 % 16.0 % 16.5 % 16.0 % 15.5 % 15.5 % 15.5 % 15.5 % 15.5 % 15.5 % 15.5 % Tax rate (EBT) 30.0 % 29.0 % 29.0 % 29.0 % 29.0 % 30.0 % 30.0 % 30.0 % 30.0 % 30.0 % 30.0 % 30.0 % 30.0 % NOPAT 3.9 15.1 20.9 24.1 27.2 29.0 30.6 33.2 35.9 38.0 39.5 40.7 41.7 Depreciation 89 95 10 1 10.6 10.8 10.9 113 122 13.2 14 0 14 6 15.0 154 in % of Sales 6.7 % 5.7 % 5.3 % 5.0 % 4.6 % 4.2 % 4.0 % 4.0 % 4.0 % 4.0 % 4.0 % 4.0 % 4.0 % 0.0 Changes in provisions 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Change in Liquidity from 9.0 2.0 21 2.8 2.9 2.9 - Working Capital -6.8 -3.1 1.8 24 1.7 1.3 1.1 - Capex 8.9 9.4 9.0 9.5 9.4 10.4 11.3 12.2 13.2 14.0 14.6 15.0 15.4 Capex in % of Sales 6.7 % 5.7 % 4.7 % 4.5 % 4.0 % 4.0 % 4.0 % 4.0 % 4.0 % 4.0 % 4.0 % 4.0 % 4.0 % - Other 0.6 0.6 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Free Cash Flow (WACC -5.7 21.4 24.5 23.1 26.8 27.4 27.8 30.4 33.0 35.7 37.9 39.4 40.6 42 Model) 15 2 PV of FCF -5.5 18.9 197 17 0 179 16 7 154 15.3 15.0 14 5 13 7 12.9 182 share of PVs 41.65 % 49.36 % Model parameter Valuation (m) Present values 2035e Derivation of WACC: Derivation of Beta: 187 Terminal Value 182 Debt ratio 2.00 % Financial Strength 1.10 Financial liabilities 3 Cost of debt (after tax) 2.8 % Liquidity (share) 1.30 Pension liabilities 0 Market return 8.25 % Cyclicality 1.30 Hybrid capital 0 Risk free rate 2.75 % Transparency 1.50 Minority interest 0 Others 1.30 Market val. of investments 0 Liquidity 13 No. of shares (m) 24.5 WACC 9.76 % Beta 1.30 378 Equity Value Value per share (EUR) 15.44

#### Sensitivity Value per Share (EUR)

		Terminal	Growth								Delta EBIT	-margin					
Beta	WACC	1.75 %	2.00 %	2.25 %	2.50 %	2.75 %	3.00 %	3.25 %	Beta	WACC	-1.5 pp	<b>-1</b> .0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.49	10.8 %	12.92	13.08	13.24	13.41	13.59	13.79	13.99	1.49	10.8 %	12.06	12.51	12.96	13.41	13.86	14.31	14.76
1.39	10.3 %	13.78	13.96	14.15	14.36	14.58	14.81	15.06	1.39	10.3 %	12.91	13.39	13.88	14.36	14.84	15.32	15.81
1.35	10.0 %	14.25	14.44	14.66	14.88	15.12	15.38	15.66	1.35	10.0 %	13.38	13.88	14.38	14.88	15.38	15.88	16.38
1.30	9.8 %	14.74	14.96	15.19	15.44	15.71	15.99	16.30	1.30	9.8 %	13.88	14.40	14.92	15.44	15.96	16.48	17.00
1.25	9.5 %	15.28	15.51	15.77	16.04	16.33	16.65	16.99	1.25	9.5 %	14.42	14.96	15.50	16.04	16.58	17.12	17.66
1.21	9.3 %	15.84	16.10	16.38	16.69	17.01	17.36	17.74	1.21	9.3 %	15.01	15.57	16.13	16.69	17.25	17.81	18.37
1.11	8.8 %	17.10	17.42	17.76	18.14	18.54	18.97	19.45	1.11	8.8 %	16.31	16.92	17.53	18.14	18.74	19.35	19.96

Comparably high growth rates in 2024 and 2025 driven by anticipated LIDE orders

Margin increase resulting from the high scalability of LPKF's business model

The "Others" line comprises adjustments for leasing related depriciations



### **Free Cash Flow Value Potential**

Warburg Research's valuation tool "FCF Value Potential" reflects the ability of the company to generate sustainable free cash flows. It is based on the "FCF potential" - a FCF "ex growth" figure - which assumes unchanged working capital and pure maintenance capex. A value indication is derived via the perpetuity of a given year's "FCF potential" with consideration of the weighted costs of capital. The fluctuating value indications over time add a timing element to the DCF model (our preferred valuation tool).

in EUR m		2019	2020	2021	2022	2023e	2024e	2025e
Net Income before minorities		13.1	5.3	-0.1	1.7	3.8	15.1	20.9
+ Depreciation + Amortisation		7.7	7.3	7.5	8.3	8.9	9.5	10.1
- Net Interest Income		-0.5	-0.2	-0.2	-0.4	-0.1	-0.1	-0.1
<ul> <li>Maintenance Capex</li> </ul>		2.8	1.9	1.9	2.5	2.6	3.3	3.8
+ Other		0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Free Cash Flow Potential		18.5	11.0	5.8	7.9	10.2	21.3	27.2
FCF Potential Yield (on market EV)		8.9 %	2.2 %	1.1 %	2.9 %	5.1 %	12.1 %	18.6 %
WACC		9.76 %	9.76 %	9.76 %	9.76 %	9.76 %	9.76 %	9.76 %
= Enterprise Value (EV)		208.3	493.0	547.8	269.9	198.2	175.5	146.8
= Fair Enterprise Value		189.8	112.3	59.2	80.9	104.1	218.0	279.1
- Net Debt (Cash)		-9.9	-9.9	-9.9	-9.9	-5.4	-28.1	-53.9
<ul> <li>Pension Liabilities</li> </ul>		0.3	0.3	0.3	0.3	0.3	0.3	0.3
- Other		0.0	0.0	0.0	0.0	0.0	0.0	0.0
<ul> <li>Market value of minorities</li> </ul>		0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Market value of investments		0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Fair Market Capitalisation		199.3	121.9	68.8	90.4	109.2	245.8	332.7
Number of shares, average		24.5	24.5	24.5	24.5	24.5	24.5	24.5
= Fair value per share (EUR)		8.14	4.97	2.81	3.69	4.46	10.03	13.58
premium (-) / discount (+) in %						-46.3 %	20.9 %	66.0 %
Sensitivity Fair value per Share (E	UR)							
1:	2.76 %	6.32	3.90	2.24	2.92	3.46	7.94	10.90
1	1.76 %	6.82	4.20	2.40	3.13	3.74	8.52	11.64
10	0.76 %	7.42	4.55	2.58	3.39	4.06	9.21	12.52
WACC	9.76 %	8.14	4.97	2.81	3.69	4.46	10.03	13.58
1	8.76 %	9.02	5.50	3.09	4.07	4.94	11.05	14.88
-	7.76 %	10.13	6.16	3.43	4.54	5.55	12.33	16.52
(	6.76 %	11.58	7.01	3.88	5.16	6.35	13.99	18.64

• To maintain its production, we assume an investment of 2% of sales



Valuation							
	2019	2020	2021	2022	2023e	2024e	2025e
Price / Book	2.5 x	5.4 x	6.0 x	3.0 x	2.1 x	1.8 x	1.5 x
Book value per share ex intangibles	3.06	3.09	2.99	3.01	3.14	3.73	4.60
EV / Sales	1.5 x	5.1 x	5.9 x	2.2 x	1.5 x	1.1 x	0.8 x
EV / EBITDA	7.7 x	33.2 x	72.1 x	17.9 x	13.8 x	5.7 x	3.7 x
EV / EBIT	10.8 x	65.4 x	n.a.	39.8 x	36.3 x	8.3 x	5.0 x
EV / EBIT adj.*	11.3 x	65.4 x	n.a.	39.8 x	36.3 x	8.3 x	5.0 x
P/FCF	5.5 x	n.a.	n.a.	n.a.	n.a.	9.0 x	7.8 x
P/E	17.4 x	93.8 x	n.a.	163.0 x	51.9 x	13.6 x	9.6 x
P / E adj.*	17.4 x	93.8 x	n.a.	163.0 x	51.9 x	13.6 x	9.6 x
Dividend Yield	1.1 %	0.5 %	n.a.	n.a.	2.4 %	2.4 %	2.4 %
FCF Potential Yield (on market EV)	8.9 %	2.2 %	1.1 %	2.9 %	5.1 %	12.1 %	18.6 %
*Adjustments made for: -							

#### **Consolidated profit & loss**



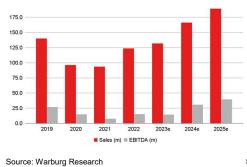
In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Sales	140.0	96.2	93.6	123.7	131.9	166.2	189.2
Change Sales yoy	16.7 %	-31.3 %	-2.8 %	32.2 %	6.6 %	26.0 %	13.8 %
Increase / decrease in inventory	-0.8	0.2	7.3	-5.2	-6.5	0.7	0.6
Own work capitalised	4.3	5.3	5.9	6.3	6.2	6.3	5.7
Total Sales	143.6	101.7	106.7	124.8	131.6	173.2	195.5
Material expenses	54.2	32.0	36.8	38.0	41.7	56.7	64.0
Gross profit	89.4	69.7	69.9	86.7	89.9	116.5	131.5
Gross profit margin	63.8 %	72.4 %	74.7 %	70.1 %	68.2 %	70.1 %	69.5 %
Personnel expenses	44.7	41.5	44.3	49.5	54.5	60.2	65.3
Other operating income	4.0	3.8	3.3	4.2	4.1	4.0	4.0
Other operating expenses	21.7	17.1	21.2	26.4	25.2	29.6	30.7
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	26.9	14.8	7.6	15.1	14.4	30.8	39.6
Margin	19.2 %	15.4 %	8.1 %	12.2 %	10.9 %	18.5 %	20.9 %
Depreciation of fixed assets	4.4	4.0	3.8	3.8	3.9	4.0	4.0
EBITA	22.5	10.9	3.8	11.3	10.5	26.8	35.6
Amortisation of intangible assets	3.3	3.3	3.7	4.5	5.0	5.5	6.1
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	19.2	7.5	0.1	6.8	5.5	21.3	29.5
Margin	13.7 %	7.8 %	0.1 %	5.5 %	4.1 %	12.8 %	15.6 %
EBIT adj.	18.4	7.5	0.1	6.8	5.5	21.3	29.5
Interest income	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Interest expenses	0.5	0.3	0.2	0.4	0.1	0.1	0.1
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	18.7	7.3	-0.2	6.4	5.4	21.2	29.4
Margin	13.4 %	7.6 %	-0.2 %	5.2 %	4.1 %	12.8 %	15.5 %
Total taxes	5.6	2.0	-0.1	4.8	1.6	6.2	8.5
Net income from continuing operations	13.1	5.3	-0.1	1.7	3.8	15.1	20.9
Income from discontinued operations (net of tax)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income before minorities	13.1	5.3	-0.1	1.7	3.8	15.1	20.9
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	13.1	5.3	-0.1	1.7	3.8	15.1	20.9
Margin	9.4 %	5.6 %	-0.1 %	1.3 %	2.9 %	9.1 %	11.0 %
Number of shares, average	24.5	24.5	24.5	24.5	24.5	24.5	24.5
EPS	0.54	0.22	0.00	0.07	0.16	0.61	0.85
EPS adj.	0.54	0.22	0.00	0.07	0.16	0.61	0.85
*Adjustments made for:							

Guidance: Sales EUR 125-135m. EBIT margin 3% to 7%

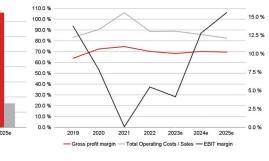
#### **Financial Ratios**

2019	2020	2021	2022	2023e	2024e	2025e
83.3 %	90.2 %	105.9 %	88.6 %	88.9 %	85.7 %	82.4 %
10.8 x	1.9 x	35.8 x	353.7 x	-2.9 x	11.1 x	2.8 x
52.0 x	51.2 x	30.8 x	38.6 x	245.9 x	526.6 x	677.2 x
29.9 %	26.9 %	32.9 %	74.1 %	29.0 %	29.0 %	29.0 %
18.7 %	45.9 %	0.0 %	0.0 %	127.6 %	32.5 %	23.5 %
205,328	139,673	125,426	167,161	170,009	203,659	224,379
	83.3 % 10.8 x 52.0 x 29.9 % 18.7 %	83.3 %         90.2 %           10.8 x         1.9 x           52.0 x         51.2 x           29.9 %         26.9 %           18.7 %         45.9 %	83.3 %         90.2 %         105.9 %           10.8 x         1.9 x         35.8 x           52.0 x         51.2 x         30.8 x           29.9 %         26.9 %         32.9 %           18.7 %         45.9 %         0.0 %	83.3 %         90.2 %         105.9 %         88.6 %           10.8 x         1.9 x         35.8 x         353.7 x           52.0 x         51.2 x         30.8 x         38.6 x           29.9 %         26.9 %         32.9 %         74.1 %           18.7 %         45.9 %         0.0 %         0.0 %	83.3 %         90.2 %         105.9 %         88.6 %         88.9 %           10.8 x         1.9 x         35.8 x         353.7 x         -2.9 x           52.0 x         51.2 x         30.8 x         38.6 x         245.9 x           29.9 %         26.9 %         32.9 %         74.1 %         29.0 %           18.7 %         45.9 %         0.0 %         0.0 %         127.6 %	83.3 %         90.2 %         105.9 %         88.6 %         88.9 %         85.7 %           10.8 x         1.9 x         35.8 x         353.7 x         -2.9 x         11.1 x           52.0 x         51.2 x         30.8 x         38.6 x         245.9 x         526.6 x           29.9 %         26.9 %         32.9 %         74.1 %         29.0 %         29.0 %           18.7 %         45.9 %         0.0 %         0.0 %         127.6 %         32.5 %

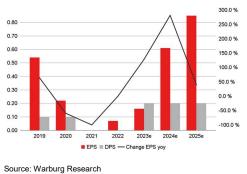








#### Performance per Share



Source: Warburg Research

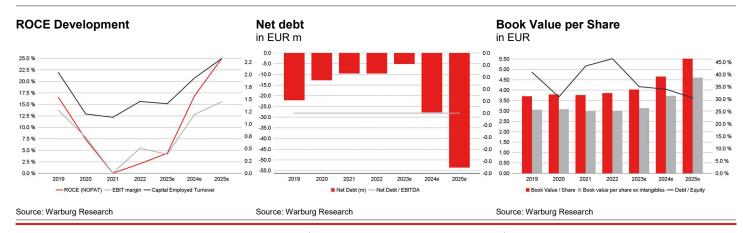
## Consolidated balance sheet



In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Assets							
Goodwill and other intangible assets	15.9	17.3	19.1	20.7	21.9	22.7	22.3
thereof other intangible assets	1.0	0.7	0.7	1.0	1.0	1.0	1.0
thereof Goodwill	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Property, plant and equipment	44.7	46.0	46.3	45.1	43.6	42.2	41.1
Financial assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other long-term assets	0.1	0.0	0.2	0.3	0.3	0.3	0.3
Fixed assets	60.7	63.4	65.6	66.1	65.8	65.3	63.6
Inventories	19.2	19.8	28.5	27.7	24.2	28.5	31.8
Accounts receivable	11.3	13.2	17.2	27.5	30.7	23.7	19.7
Liquid assets	31.3	20.1	15.2	12.8	8.4	31.0	56.8
Other short-term assets	5.5	5.2	5.8	4.4	4.4	4.4	4.4
Current assets	67.3	58.3	66.7	72.3	67.6	87.5	112.6
Total Assets	128.0	121.7	132.2	138.4	133.4	152.8	176.3
Liabilities and shareholders' equity							
Subscribed capital	24.5	24.5	24.5	24.5	24.5	24.5	24.5
Capital reserve	15.5	15.5	15.5	15.5	15.5	15.5	15.5
Retained earnings	10.2	10.2	12.0	12.7	16.5	31.6	52.5
Other equity components	40.7	42.8	40.2	41.9	42.3	42.5	42.7
Shareholders' equity	90.8	92.9	92.2	94.5	98.8	114.0	135.1
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	90.8	92.9	92.2	94.5	98.8	114.0	135.1
Provisions	6.1	3.2	2.7	3.8	3.8	3.8	3.8
thereof provisions for pensions and similar obligations	0.3	0.4	0.4	0.3	0.3	0.3	0.3
Financial liabilities (total)	8.9	6.9	5.2	2.9	2.9	2.9	2.9
Short-term financial liabilities	2.0	1.8	1.8	0.9	0.9	0.9	0.9
Accounts payable	5.6	7.6	7.2	7.5	6.9	10.0	12.4
Other liabilities	16.5	11.0	24.9	29.7	21.1	22.1	22.1
Liabilities	37.2	28.7	40.0	43.9	34.7	38.8	41.2
Total liabilities and shareholders' equity	128.0	121.7	132.2	138.4	133.4	152.8	176.3

#### **Financial Ratios**

	2019	2020	2021	2022	2023e	2024e	2025e
Efficiency of Capital Employment							
Operating Assets Turnover	2.3 x	1.4 x	1.4 x	1.7 x	1.7 x	2.4 x	2.9 x
Capital Employed Turnover	2.0 x	1.2 x	1.1 x	1.5 x	1.4 x	1.9 x	2.3 x
ROA	21.6 %	8.4 %	-0.2 %	2.5 %	5.8 %	23.1 %	32.8 %
Return on Capital							
ROCE (NOPAT)	16.5 %	7.4 %	0.0 %	2.1 %	4.3 %	16.8 %	24.9 %
ROE	15.6 %	5.8 %	-0.1 %	1.8 %	4.0 %	14.2 %	16.8 %
Adj. ROE	15.6 %	5.8 %	-0.1 %	1.8 %	4.0 %	14.2 %	16.8 %
Balance sheet quality							
Net Debt	-22.1	-12.8	-9.6	-9.6	-5.2	-27.8	-53.6
Net Financial Debt	-22.4	-13.1	-10.0	-9.9	-5.4	-28.1	-53.9
Net Gearing	-24.3 %	-13.7 %	-10.4 %	-10.1 %	-5.2 %	-24.4 %	-39.7 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	3.7	3.8	3.8	3.9	4.0	4.7	5.5
Book value per share ex intangibles	3.1	3.1	3.0	3.0	3.1	3.7	4.6



### **Consolidated cash flow statement**



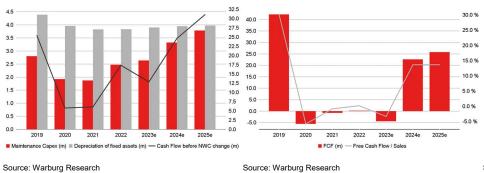
In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Net income	13.1	5.3	-0.1	1.7	3.8	15.1	20.9
Depreciation of fixed assets	4.4	4.0	3.8	3.8	3.9	4.0	4.0
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	3.3	3.3	3.7	4.5	5.0	5.5	6.1
Increase/decrease in long-term provisions	0.5	-2.5	-0.5	1.1	0.0	0.0	0.0
Other non-cash income and expenses	4.1	-4.3	-0.8	6.3	0.1	0.1	0.1
Cash Flow before NWC change	25.4	5.8	6.1	17.4	12.8	24.6	31.1
Increase / decrease in inventory	6.6	-2.0	-9.4	-0.3	3.5	-4.3	-3.3
Increase / decrease in accounts receivable	19.2	-1.5	-3.6	-10.3	-3.3	7.0	4.0
Increase / decrease in accounts payable	-2.8	2.0	-0.5	0.3	-9.2	4.1	2.4
Increase / decrease in other working capital positions	-0.3	-0.4	15.3	1.5	0.6	0.6	0.6
Increase / decrease in working capital (total)	22.6	-1.8	1.8	-8.9	-8.4	7.4	3.7
Net cash provided by operating activities [1]	48.0	4.0	7.9	8.5	4.5	32.0	34.8
Investments in intangible assets	-4.0	-4.8	-5.4	-6.2	-6.5	-6.8	-6.2
Investments in property, plant and equipment	-1.8	-4.8	-3.2	-2.1	-2.4	-2.6	-2.8
Payments for acquisitions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial investments	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Income from asset disposals	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Net cash provided by investing activities [2]	-5.8	-9.5	-8.6	-8.2	-8.9	-9.4	-9.0
Change in financial liabilities	-13.2	-2.2	-2.1	-2.3	0.0	0.0	0.0
Dividends paid	0.0	-2.4	-2.5	0.0	0.0	0.0	0.0
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	-1.3	-0.7	-0.7	-0.8	0.0	0.0	0.0
Net cash provided by financing activities [3]	-14.5	-5.4	-5.2	-3.1	0.0	0.0	0.0
Change in liquid funds [1]+[2]+[3]	27.7	-11.0	-5.9	-2.8	-4.4	22.6	25.8
Effects of exchange-rate changes on cash	-0.1	-0.3	1.0	0.4	0.0	0.0	0.0
Cash and cash equivalent at end of period	31.3	20.1	15.2	12.8	8.4	31.0	56.8

### **Financial Ratios**

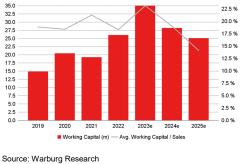
	2019	2020	2021	2022	2023e	2024e	2025e
Cash Flow							
FCF	42.2	-5.6	-0.8	0.2	-4.4	22.6	25.8
Free Cash Flow / Sales	30.2 %	-5.8 %	-0.8 %	0.2 %	-3.3 %	13.6 %	13.6 %
Free Cash Flow Potential	18.5	11.0	5.8	7.9	10.2	21.3	27.2
Free Cash Flow / Net Profit	321.9 %	-104.1 %	670.2 %	12.4 %	-115.0 %	150.2 %	123.5 %
Interest Received / Avg. Cash	0.1 %	0.2 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	3.6 %	3.7 %	4.1 %	9.7 %	2.0 %	2.0 %	2.0 %
Management of Funds							
Investment ratio	4.1 %	9.9 %	9.3 %	6.7 %	6.7 %	5.7 %	4.7 %
Maint. Capex / Sales	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %
Capex / Dep	75.3 %	130.4 %	115.2 %	99.5 %	100.1 %	99.3 %	89.1 %
Avg. Working Capital / Sales	18.9 %	18.4 %	21.2 %	18.3 %	23.1 %	19.0 %	14.1 %
Trade Debtors / Trade Creditors	201.8 %	173.0 %	238.2 %	365.8 %	444.9 %	237.0 %	158.9 %
Inventory Turnover	2.8 x	1.6 x	1.3 x	1.4 x	1.7 x	2.0 x	2.0 x
Receivables collection period (days)	30	50	67	81	85	52	38
Payables payment period (days)	38	87	71	72	60	64	71
Cash conversion cycle (Days)	54	133	88	68	123	81	69

**Free Cash Flow Generation** 

#### **CAPEX and Cash Flow** in EUR m



#### **Working Capital**



COMMENT

8 Published 28.07.2023



#### LEGAL DISCLAIMER

This research report ("investment recommendation") was prepared by the Warburg Research GmbH, a fully owned subsidiary of the M.M.Warburg & CO (AG & Co.) KGaA and is passed on by the M.M.Warburg & CO (AG & Co.) KGaA. It is intended solely for the recipient and may not be passed on to another company without their prior consent, regardless of whether the company is part of the same corporation or not. It contains selected information and does not purport to be complete. The investment recommendation is based on publicly available information and data ("information") believed to be accurate and complete. Warburg Research GmbH neither examines the information for accuracy and completeness, nor guarantees its accuracy and completeness. Possible errors or incompleteness of the information do not constitute grounds for liability of M.M.Warburg & CO (AG & Co.) KGaA or Warburg Research GmbH for damages of any kind whatsoever, and M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are not liable for indirect and/or direct and/or consequential damages. In particular, neither M.M.Warburg & CO (AG & Co.) KGaA nor Warburg Research GmbH are liable for the statements, plans or other details contained in these investment recommendations concerning the examined companies, their affiliated companies, strategies, economic situations, market and competitive situations, regulatory environment, etc. Although due care has been taken in compiling this investment recommendation, it cannot be excluded that it is incomplete or contains errors. M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH, their shareholders and employees are not liable for the accuracy and completeness of the statements, estimations and the conclusions derived from the information contained in this investment recommendation. Provided a investment recommendation is being transmitted in connection with an existing contractual relationship, i.e. financial advisory or similar services, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH shall be restricted to gross negligence and wilful misconduct. In case of failure in essential tasks, M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are liable for normal negligence. In any case, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH is limited to typical, expectable damages. This investment recommendation does not constitute an offer or a solicitation of an offer for the purchase or sale of any security. Partners, directors or employees of M.M.Warburg & CO (AG & Co.) KGaA, Warburg Research GmbH or affiliated companies may serve in a position of responsibility, i.e. on the board of directors of companies mentioned in the report. Opinions expressed in this investment recommendation are subject to change without notice. The views expressed in this research report accurately reflect the research analyst's personal views about the subject securities and issuers. Unless otherwise specified in the research report, no part of the research analyst's compensation was, is, or will be directly or indirectly related to the specific recommendations or views contained in the research report. All rights reserved.

#### **COPYRIGHT NOTICE**

This work including all its parts is protected by copyright. Any use beyond the limits provided by copyright law without permission is prohibited and punishable. This applies, in particular, to reproductions, translations, microfilming, and storage and processing on electronic media of the entire content or parts thereof.

# DISCLOSURE ACCORDING TO §85 OF THE GERMAN SECURITIES TRADING ACT (WPHG), MAR AND MIFID II INCL. COMMISSION DELEGATED REGULATION (EU) 2016/958 AND (EU) 2017/565

The valuation underlying the investment recommendation for the company analysed here is based on generally accepted and widely used methods of fundamental analysis, such as e.g. DCF Model, Free Cash Flow Value Potential, NAV, Peer Group Comparison or Sum of the Parts Model (see also <u>http://www.mmwarburg.de/disclaimer/disclaimer.htm#Valuation</u>). The result of this fundamental valuation is modified to take into consideration the analyst's assessment as regards the expected development of investor sentiment and its impact on the share price.

Independent of the applied valuation methods, there is the risk that the price target will not be met, for instance because of unforeseen changes in demand for the company's products, changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rate etc. For investments in foreign markets and instruments there are further risks, generally based on exchange rate changes or changes in political and social conditions.

This commentary reflects the opinion of the relevant author at the point in time of its compilation. A change in the fundamental factors underlying the valuation can mean that the valuation is subsequently no longer accurate. Whether, or in what time frame, an update of this commentary follows is not determined in advance.

Additional internal and organisational arrangements to prevent or to deal with conflicts of interest have been implemented. Among these are the spatial separation of Warburg Research GmbH from M.M.Warburg & CO (AG & Co.) KGaA and the creation of areas of confidentiality. This prevents the exchange of information, which could form the basis of conflicts of interest for Warburg Research GmbH in terms of the analysed issuers or their financial instruments.

The analysts of Warburg Research GmbH do not receive a gratuity – directly or indirectly – from the investment banking activities of M.M.Warburg & CO (AG & Co.) KGaA or of any company within the Warburg-Group.

All prices of financial instruments given in this investment recommendation are the closing prices on the last stock-market trading day before the publication date stated, unless another point in time is explicitly stated.

M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are subject to the supervision of the Federal Financial Supervisory Authority, BaFin. M.M.Warburg & CO (AG & Co.) KGaA is additionally subject to the supervision of the European Central Bank (ECB).

#### SOURCES

All data and consensus estimates have been obtained from FactSet except where stated otherwise.

The **Warburg ESG Risk Score** is based on information © 2020 MSCI ESG Research LLC. Reproduced by permission. Although Warburg Research's information providers, including without limitation, MSCI ESG Research LLC and its affiliates (the "ESG Parties"), obtain information (the "Information") from sources they consider reliable, none of the ESG Parties warrants or guarantees the originality, accuracy and/or completeness, of any data herein and expressly disclaim all express or implied warranties, including those of merchantability and fitness for a particular purpose. The Information may only be used for your internal use, may not be reproduced or redisseminated in any form and may not be used as a basis for, or a component, of any financial instruments or products indices. Further, none of the Information can in and of itself be used to determine which securities to buy or sell or when to buy or sell them. None of the ESG Parties shall have any liability for any errors or omissions in connection with any data herein, or any liability for any direct, indirect, special, punitive, consequential or any other damage (including lost profits) even if notified of the possibility.



#### Additional information for clients in the United States

1. This research report (the "Report") is a product of Warburg Research GmbH, Germany, a fully owned subsidiary of M.M.Warburg & CO (AG & Co.) KGaA, Germany (in the following collectively "Warburg"). Warburg is the employer of the research analyst(s), who have prepared the Report. The research analyst(s) reside outside the United States and are not associated persons of any U.S. regulated broker-dealer and therefore are not subject to the supervision of any U.S. regulated broker-dealer.

2. The Report is provided in the United States for distribution solely to "major U.S. institutional investors" under Rule 15a-6 of the U.S. Securities Exchange Act of 1934 by CIC.

3. CIC (Crédit Industriel et Commercial) and M.M. Warburg & CO have concluded a Research Distribution Agreement that gives CIC Market Solutions exclusive distribution in France, the US and Canada of the Warburg Research GmbH research product.

4. The research reports are distributed in the United States of America by CIC ("CIC") pursuant to a SEC Rule 15a-6 agreement with CIC Market Solutions Inc ("CICI"), a U.S. registered broker-dealer and a related company of CIC, and are distributed solely to persons who qualify as "Major U.S. Institutional Investors" as defined in SEC Rule 15a-6 under the Securities Exchange Act of 1934.

5. Any person who is not a Major U.S. Institutional Investor must not rely on this communication. The delivery of this research report to any person in the United States of America is not a recommendation to effect any transactions in the securities discussed herein, or an endorsement of any opinion expressed herein.

# Reference in accordance with section 85 of the German Securities Trading Act (WpHG) and Art. 20 MAR regarding possible conflicts of interest with companies analysed:

- -1- Warburg Research, or an affiliated company, or an employee of one of these companies responsible for the compilation of the research, hold a share of more than 5% of the equity capital of the analysed company.
- -2- Warburg Research, or an affiliated company, within the last twelve months participated in the **management of a consortium** for an issue in the course of a public offering of such financial instruments, which are, or the issuer of which is, the subject of the investment recommendation.
- -3- Companies affiliated with Warburg Research manage financial instruments, which are, or the issuers of which are, subject of the investment recommendation, in a market based on the provision of buy or sell contracts.
- MMWB, Warburg Research, or an affiliated company, reached an agreement with the issuer to provide investment banking and/or investment services and the relevant agreement was in force in the last 12 months or there arose for this period, based on the relevant agreement, the obligation to provide or to receive a service or compensation provided that this disclosure does not result in the disclosure of confidential business information.
- -5- The company compiling the analysis or an affiliated company had reached an **agreement on the compilation of the investment recommendation** with the analysed company.
- -6a- Warburg Research, or an affiliated company, holds a **net long position of more than 0.5%** of the total issued share capital of the analysed company.
- -6b- Warburg Research, or an affiliated company, holds a **net short position of more than 0.5%** of the total issued share capital of the analysed company.
- -6c- The issuer holds shares of more than 5% of the total issued capital of Warburg Research or an affiliated company.
- -7- The company preparing the analysis as well as its affiliated companies and employees have **other important interests** in relation to the analysed company, such as, for example, the exercising of mandates at analysed companies.

Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)	
LPKF	5	https://www.mmwarburg.com/disclaimer/disclaimer en/DE0006450000.htm	



#### INVESTMENT RECOMMENDATION

Investment recommendation: expected direction of the share price development of the financial instrument up to the given <u>price target</u> in the opinion of the analyst who covers this financial instrument.

-B-	Buy:	The price of the analysed financial instrument is expected to rise over the next 12 months.	
-H-	Hold:	The price of the analysed financial instrument is expected to remain mostly flat over the next 12 months.	
-S-	Sell:	The price of the analysed financial instrument is expected to fall over the next 12 months.	
"_"	Rating suspended:	The available information currently does not permit an evaluation of the company.	

#### WARBURG RESEARCH GMBH - ANALYSED RESEARCH UNIVERSE BY RATING

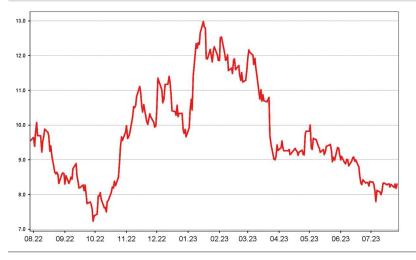
Rating	Number of stocks	% of Universe
Buy	152	73
Hold	44	21
Sell	7	3
Rating suspended	4	2
Total	207	100

#### WARBURG RESEARCH GMBH - ANALYSED RESEARCH UNIVERSE BY RATING ...

... taking into account only those companies which were provided with major investment services in the last twelve months.

Rating	Number of stocks	% of Universe
Buy	43	88
Hold	4	8
Sell	0	0
Rating suspended	2	4
Total	49	100

#### PRICE AND RATING HISTORY LPKF AS OF 28.07.2023



Markings in the chart show rating changes by Warburg Research GmbH in the last 12 months. Every marking details the date and closing price on the day of the rating change.

#### EQUITIES

Matthias Rode Head of Equities

#### RESEARCH

Michael Heider Head of Research Henner Rüschmeier Head of Research hrueschmeier@warburg-research.com Stefan Augustin Cap. Goods, Engineering Jan Bauer Renewables **Christian Cohrs** Industrials & Transportation Dr. Christian Ehmann BioTech, Life Science Felix Ellmann Software, IT Jörg Philipp Frey Retail. Consumer Goods Marius Fuhrberg Financial Services Fabio Hölscher Automobiles. Car Suppliers Philipp Kaiser Real Estate, Construction Thilo Kleibauer Retail Consumer Goods

### INSTITUTIONAL EQUITY SALES

fhoelscher@warburg-research.com +49 40 309537-260 pkaiser@warburg-research.com +49 40 309537-257 tkleibauer@warburg-research.com +49 40 3282-2660 Head of Equity Sales. Germany mniemann@mmwarburg.com +49 69 5050-7400 Head of Equity Sales, Germany kschilling@mmwarburg.com +49 40 3282-2665 tbeckmann@mmwarburg.com +49 69 5050-7411 United Kingdom, Ireland lbogdanova@mmwarburg.com +49 69 5050-7415 jbuchmueller@mmwarburg.com +49 40 3282-2696 mfritsch@mmwarburg.com +49 69 5050-7413 mmartin@mmwarburg.com

#### SALES TRADING

Marc Niemann

Klaus Schilling

Tim Beckmann

Jens Buchmüller

Scandinavia, Austria

Matthias Fritsch

Maximilian Martin

United Kingdom

Austria. Poland

United Kingdom Lea Bogdanova

Oliver Merckel Head of Sales Trading Rico Müller Sales Trading **Bastian Quast** Sales Trading

#### MACRO RESEARCH

Carsten Klude Macro Research cklude@mmwarburg.com

Our research can be found under:

Andrea Schaper

Warburg Research Bloomberg

FactSet

Sales Assistance

+49 40 3282-2701 bquast@mmwarburg.com +49 40 3282-2572

research.mmwarburg.com/en/index.html

+49 40 3282-2634

+49 40 3282-2685

RESP MMWA GO

www.factset.com

+49 40 3282-2632

aschaper@mmwarburg.com

omerckel@mmwarburg.com

rmueller@mmwarburg.com

+49 40 3282-2678

+49 40 309537-280

+49 40 309537-270

+49 40 309537-168

+49 40 309537-155

+49 40 309537-175

+49 40 309537-167

+49 40 309537-120

+49 40 309537-258

+49 40 309537-185

+49 40 309537-240

mheider@warburg-research.com

saugustin@warburg-research.com

jbauer@warburg-research.com

ccohrs@warburg-research.com

cehmann@warburg-research.com

fellmann@warburg-research.com

mfuhrberg@warburg-research.com

jfrey@warburg-research.com

mrode@mmwarburg.com

Software, I Andreas Pläsier Banks, Financial Services Malte Schaumann Technology **Oliver Schwarz** Chemicals, Agriculture Simon Stippig Real Estate. Telco Cansu Tatar Cap. Goods, Engineering Marc-René Tonn Automobiles, Car Suppliers Robert-Jan van der Horst Technology Andreas Wolf Software, IT

Hannes Müller

#### +49 40 309537-255 hmueller@warburg-research.com +49 40 309537-246 aplaesier@warburg-research.com +49 40 309537-170 mschaumann@warburg-research.com +49 40 309537-250 oschwarz@warburg-research.com +49 40 309537-265 sstippig@warburg-research.com +49 40 309537-248 ctatar@warburg-research.com +49 40 309537-259 mtonn@warburg-research.com +49 40 309537-290 rvanderhorst@warburg-research.com +49 40 309537-140 awolf@warburg-research.com

+49 40 3282-2649

+49 69 5050-7412

+49 40 3282-2669

+49 40 3282-2694

+49 40 3282-2662

+49 40 3282-2631

+49 40 3282-2658

+49 40 3282-2439

www.refinitiv.com

cwernicke@mmwarburg.com

jniemann@mmwarburg.com

mmagiera@mmwarburg.com

sschulz@mmwarburg.com

jtreptow@mmwarburg.com

cjasperneite@mmwarburg.com

rniklas@mmwarburg.com

rmichaelis@mmwarburg.com

**Rudolf Alexander Michaelis** Germany **Roman Alexander Niklas** Switzerland

**Charlotte Wernicke** Roadshow/Marketing Juliane Niemann Roadshow/Marketing

#### **DESIGNATED SPONSORING**

Marcel Magiera Designated Sponsoring Sebastian Schulz **Designated Sponsoring** Jörg Treptow Designated Sponsoring

Dr. Christian Jasperneite Investment Strategy

Capital IQ

**Kerstin Muthia** 

Sales Assistance

Refinitiv

www.capitaliq.com

+49 40 3282-2703 kmuthig@mmwarburg.com

WARBURG