

<p>Buy</p> <p>EUR 31.00 (EUR 35.00)</p> <p>Price EUR 13.16</p> <p>Upside 135.6 %</p>	<p>Value Indicators: EUR</p> <p>DCF: 31.08</p> <p>FCF-Value Potential 24e: 22.78</p>	<p>Warburg ESG Risk Score: 3.0</p> <p>ESG Score (MSCI based): 2.0</p> <p>Balance Sheet Score: 5.0</p> <p>Market Liquidity Score: 2.0</p>	<p>Description:</p> <p>Highly specialised machine manufacturer developing laser applications for special purposes</p>
	<p>Market Snapshot: EUR m</p> <p>Market cap: 322.4</p> <p>No. of shares (m): 24.5</p> <p>EV: 309.3</p> <p>Freefloat MC: 322.4</p> <p>Ø Trad. Vol. (30d): 3.00 m</p>	<p>Shareholders:</p> <p>Freefloat 100.0 %</p> <p>Small Cap World Fund 5.0 %</p> <p>JPMorgan AM 3.0 %</p> <p>Société Générale 3.0 %</p> <p>UBS 3.0 %</p>	<p>Key Figures (WRe): 2022e</p> <p>Beta: 1.3</p> <p>Price / Book: 3.2 x</p> <p>Equity Ratio: 74 %</p>

Cautious outlook falls short of market expectation

<p>Stated Figures Q4/2021:</p> <table border="1"> <thead> <tr> <th>FY End: 31.12. in EUR m</th> <th>Q4 21</th> <th>Q4 21e</th> <th>Q4 20</th> <th>yoy</th> </tr> </thead> <tbody> <tr> <td>Sales</td> <td>33.3</td> <td>35.1</td> <td>21.0</td> <td>59 %</td> </tr> <tr> <td>EBITDA</td> <td>7.1</td> <td>6.3</td> <td>2.5</td> <td>186 %</td> </tr> <tr> <td>Margin</td> <td>21.4 %</td> <td>18.0 %</td> <td>11.9 %</td> <td></td> </tr> <tr> <td>EBIT</td> <td>5.3</td> <td>5.9</td> <td>0.7</td> <td>659 %</td> </tr> <tr> <td>Margin</td> <td>15.8 %</td> <td>16.7 %</td> <td>3.3 %</td> <td></td> </tr> </tbody> </table>					FY End: 31.12. in EUR m	Q4 21	Q4 21e	Q4 20	yoy	Sales	33.3	35.1	21.0	59 %	EBITDA	7.1	6.3	2.5	186 %	Margin	21.4 %	18.0 %	11.9 %		EBIT	5.3	5.9	0.7	659 %	Margin	15.8 %	16.7 %	3.3 %		<p>Comment on Figures:</p> <ul style="list-style-type: none"> Sales declined mainly due to postponements in the solar segment (solar sales -50%), which could not be fully made up for by the strong development in the welding segment (welding sales +55%) The margin decline was driven by development and ramp-up costs for LIDE application in Electronics and Development as well as production costs for the postponed solar projects 				
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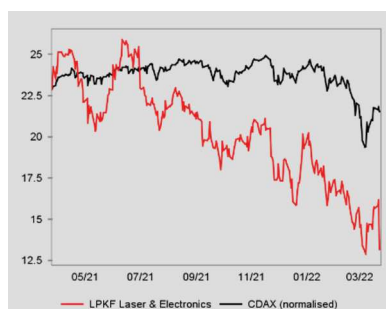
LPKF has published results for 2021, which reached the lower end of the adjusted guidance and were slightly below expectations. Sales decreased by 2.8% to EUR 93.6m (target EUR 92-102m, WRe EUR 95.3m) and EBIT declined from EUR 7.5m in 2020 to EUR 0.1m (target EUR -2 to 6m, WRe EUR 0.7m). The weak performance mainly resulted from the development in the Solar segment. Despite a strong order intake, sales declined from EUR 24.3m to EUR 12.1m, as logistical bottlenecks and project postponements impeded on the delivery schedule. The positive development in Welding, which saw an increase from EUR 17.7m to 27.4m could not fully compensate for this sharp decline.

The outlook for the current year is below expectations. Sales is expected at EUR 110-130m (WRe EUR 152.6m, cons. EUR 149.9m) with an EBIT margin of 2-7% (WRe 15.4%, cons 15.7%). We consider this to be very conservative. In 2020, approx. EUR 70m of the total order intake of EUR 117.8m (+15.3% yoy) was delivered in that same year, despite the bottlenecks. Even with stable demand and the backlog of EUR 62.6m (+63.5% yoy), LPKF would exceed the upper end of its guidance. The low margin target is mainly driven by higher costs than anticipated for the ARRALYZE ramp-up and LIDE development costs, which will not see corresponding revenues this year. Adjusted for these costs, we estimate an EBIT margin of 14% for 2022. Against this background, we have reduced our forecast for both the top line and the profitability, but remain slightly above the target range.

LPKF has confirmed the mid-term targets (2024: sales EUR >360m, EBIT margin >25%). Although the company made some progress in its LIDE strategy, including a first order for production equipment from a major semiconductor manufacturer, a development cooperation for display applications and frame contract with a customer from the semi industry the visibility for the 2024 targets remains limited.

continued on next page

<p>Changes in Estimates:</p> <table border="1"> <thead> <tr> <th>FY End: 31.12. in EUR m</th> <th>2022e (old)</th> <th>+ / -</th> <th>2023e (old)</th> <th>+ / -</th> <th>2024e (old)</th> <th>+ / -</th> </tr> </thead> <tbody> <tr> <td>Sales</td> <td>152.6</td> <td>-10.5 %</td> <td>213.1</td> <td>-4.5 %</td> <td>n.a.</td> <td>n.m.</td> </tr> <tr> <td>EBIT</td> <td>23.5</td> <td>-58.5 %</td> <td>40.9</td> <td>-13.3 %</td> <td>n.a.</td> <td>n.m.</td> </tr> <tr> <td>EPS</td> <td>0.68</td> <td>-58.8 %</td> <td>1.18</td> <td>-12.7 %</td> <td>n.a.</td> <td>n.m.</td> </tr> </tbody> </table>							FY End: 31.12. in EUR m	2022e (old)	+ / -	2023e (old)	+ / -	2024e (old)	+ / -	Sales	152.6	-10.5 %	213.1	-4.5 %	n.a.	n.m.	EBIT	23.5	-58.5 %	40.9	-13.3 %	n.a.	n.m.	EPS	0.68	-58.8 %	1.18	-12.7 %	n.a.	n.m.	<p>Comment on Changes:</p> <ul style="list-style-type: none"> 2022 estimates reduced in accordance with the guidance and now includes higher development and ramp-up costs for LIDE applications We reduced our LIDE sales forecast for 2023 and 2024 to reflect the limited visibility 						
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Rel. Performance vs CDAX:

1 month:	-11.3 %
6 months:	-22.0 %
Year to date:	-21.8 %
Trailing 12 months:	-39.9 %

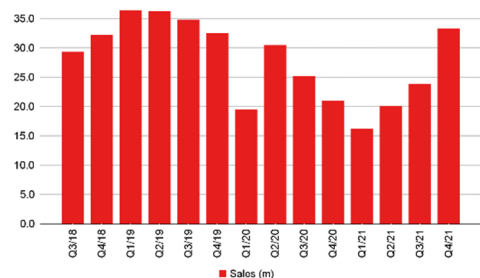
Company events:

28.04.22	Q1
19.05.22	AGM
28.07.22	Q2
27.10.22	Q3

FY End: 31.12. in EUR m	CAGR (21-24e)	2018	2019	2020	2021	2022e	2023e	2024e
Sales	43.8 %	120.0	140.0	96.2	93.6	136.6	203.4	278.0
Change Sales yoy		17.5 %	16.7 %	-31.3 %	-2.8 %	46.0 %	48.9 %	36.6 %
Gross profit margin		64.3 %	63.8 %	72.4 %	74.7 %	62.8 %	65.4 %	65.1 %
EBITDA	103.1 %	14.9	26.9	14.8	7.6	18.3	45.2	63.7
Margin		12.4 %	19.2 %	15.4 %	8.1 %	13.4 %	22.2 %	22.9 %
EBIT	863.5 %	6.8	19.2	7.5	0.1	9.8	35.5	52.8
Margin		5.7 %	13.7 %	7.8 %	0.1 %	7.1 %	17.4 %	19.0 %
Net income		8.1	13.1	5.3	-0.1	6.9	25.1	37.4
EPS		0.33	0.54	0.22	0.00	0.28	1.03	1.53
EPS adj.		0.33	0.54	0.22	0.00	0.28	1.03	1.53
DPS	26.0 %	0.00	0.10	0.10	0.10	0.20	0.20	0.20
Dividend Yield		n.a.	1.1 %	0.5 %	0.4 %	1.5 %	1.5 %	1.5 %
FCFPS		0.24	1.72	-0.23	-0.03	0.14	0.63	1.13
FCF / Market cap		3.1 %	18.3 %	-1.1 %	-0.1 %	1.1 %	4.8 %	8.6 %
EV / Sales		1.7 x	1.5 x	5.1 x	5.9 x	2.3 x	1.4 x	1.0 x
EV / EBITDA		13.6 x	7.7 x	33.2 x	72.1 x	16.9 x	6.5 x	4.2 x
EV / EBIT		29.5 x	10.8 x	65.4 x	n.a.	31.7 x	8.3 x	5.0 x
P / E		22.9 x	17.4 x	93.8 x	n.a.	47.0 x	12.8 x	8.6 x
P / E adj.		22.9 x	17.4 x	93.8 x	n.a.	47.0 x	12.8 x	8.6 x
FCF Potential Yield		6.5 %	8.9 %	2.2 %	1.1 %	4.1 %	10.5 %	16.1 %
Net Debt		16.6	-22.1	-12.8	-9.6	-13.1	-28.7	-56.2
ROCE (NOPAT)		9.9 %	16.5 %	7.4 %	0.0 %	8.2 %	27.7 %	37.1 %
Guidance:		Sales EUR 110-130m. EBIT margin 2% to 7%						

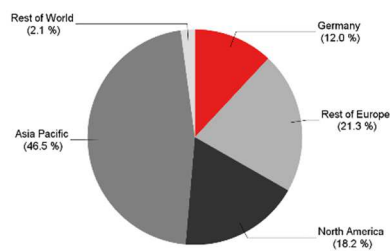
If LPKF reaches its target and maintains an average EBIT margin of 20% in the long run, the implied EV/EBIT 2024 would be 4.2x. A DCF-based target price could exceed EUR 40. Without including any LIDE related sales and with conservative estimates for the core business, we estimate a fair value of at least EUR 15. We have become more cautious in our outlook to reflect the limited visibility, but remain convinced of the significant market potential for LIDE. Thus, we reduce our target price to EUR 31 and confirm our Buy recommendation.

Sales development
in EUR m



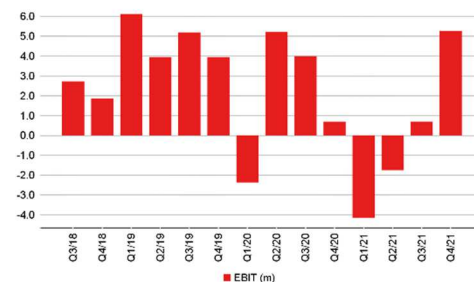
Source: Warburg Research

Sales by regions
2021; in %



Source: Warburg Research

EBIT development
in EUR m



Source: Warburg Research

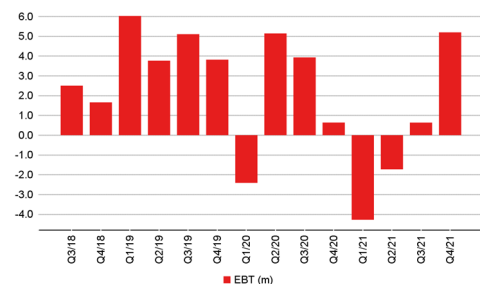
Company Background

- 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 scribe 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

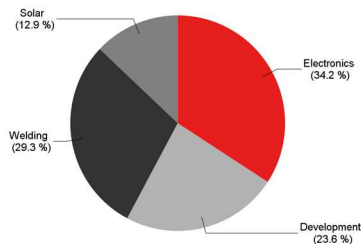
- LPKF is the technologically leading company in the market of laser applications and often first supplier of its customers.
- The high innovative strength of the company ensures the market-leading position and gives LPKF a first-mover advantage in new products that offer highly attractive TCO compared 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.

EBT development
in EUR m



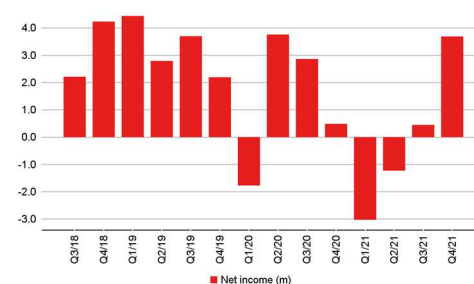
Source: Warburg Research

Sales by segments
2021; in %



Source: Warburg Research

Net income development
in EUR m



Source: Warburg Research

DCF model

Figures in EUR m	Detailed forecast period			Transitional period										Term. Value
	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	2034e	
Sales	136.6	203.4	278.0	359.5	395.5	433.0	472.0	512.1	553.1	586.3	609.7	628.0	643.7	
Sales change	46.0 %	48.9 %	36.6 %	29.3 %	10.0 %	9.5 %	9.0 %	8.5 %	8.0 %	6.0 %	4.0 %	3.0 %	2.5 %	2.5 %
EBIT	9.8	35.5	52.8	71.9	87.0	93.1	99.1	102.4	105.1	99.7	97.6	97.3	96.6	
EBIT-margin	7.1 %	17.4 %	19.0 %	20.0 %	22.0 %	21.5 %	21.0 %	20.0 %	19.0 %	17.0 %	16.0 %	15.5 %	15.0 %	
Tax rate (EBT)	29.0 %	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	6.9	25.2	37.5	51.1	61.8	65.2	69.4	71.7	73.6	69.8	68.3	68.1	67.6	
Depreciation	8.5	9.7	10.9	14.4	15.8	17.3	18.9	20.5	22.1	23.5	24.4	25.1	25.7	
in % of Sales	6.3 %	4.8 %	3.9 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	
Changes in provisions	0.0	0.0	0.0	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
Change in Liquidity from														
- Working Capital	0.3	7.2	7.7	8.6	4.3	4.5	4.7	4.8	4.9	4.0	2.8	2.2	1.9	
- Capex	12.3	12.8	13.7	17.3	17.8	17.3	18.9	20.5	22.1	23.5	24.4	25.1	25.7	
Capex in % of Sales	9.0 %	6.3 %	4.9 %	4.8 %	4.5 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	
- Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Free Cash Flow (WACC Model)	2.9	14.9	26.9	39.9	55.6	60.7	64.8	67.0	68.7	65.9	65.5	66.0	65.7	67
PV of FCF	2.7	13.0	21.6	29.5	37.9	38.2	37.5	35.7	33.8	29.8	27.4	25.4	23.3	396
share of PVs	4.97 %			42.38 %										52.65 %

Model parameter

Derivation of WACC:		Derivation of Beta:	
Debt ratio	2.00 %	Financial Strength	1.10
Cost of debt (after tax)	2.8 %	Liquidity (share)	1.30
Market return	7.00 %	Cyclicality	1.30
Risk free rate	1.50 %	Transparency	1.50
		Others	1.30
WACC	8.53 %	Beta	1.30

Valuation (m)

Present values 2034e	356		
Terminal Value	396		
Financial liabilities	5		
Pension liabilities	0		
Hybrid capital	0		
Minority interest	0		
Market val. of investments	0		
Liquidity	15	No. of shares (m)	24.5
Equity Value	761	Value per share (EUR)	31.08

Sensitivity Value per Share (EUR)

Beta	WACC	Terminal Growth							Beta	WACC	Delta EBIT-margin						
		1.75 %	2.00 %	2.25 %	2.50 %	2.75 %	3.00 %	3.25 %			-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.49	9.5 %	25.15	25.52	25.92	26.34	26.79	27.28	27.81	1.49	9.5 %	23.80	24.65	25.49	26.34	27.19	28.03	28.88
1.39	9.0 %	27.08	27.53	28.01	28.53	29.09	29.70	30.36	1.39	9.0 %	25.77	26.69	27.61	28.53	29.45	30.37	31.29
1.35	8.8 %	28.15	28.64	29.18	29.76	30.38	31.06	31.80	1.35	8.8 %	26.87	27.83	28.79	29.76	30.72	31.68	32.64
1.30	8.5 %	29.30	29.85	30.44	31.08	31.78	32.54	33.38	1.30	8.5 %	28.07	29.07	30.08	31.08	32.09	33.10	34.10
1.25	8.3 %	30.53	31.15	31.81	32.53	33.31	34.17	35.11	1.25	8.3 %	29.36	30.42	31.47	32.53	33.58	34.64	35.69
1.21	8.0 %	31.87	32.55	33.29	34.10	34.98	35.96	37.03	1.21	8.0 %	30.78	31.89	32.99	34.10	35.21	36.31	37.42
1.11	7.5 %	34.89	35.75	36.69	37.72	38.85	40.12	41.53	1.11	7.5 %	34.03	35.26	36.49	37.72	38.94	40.17	41.40

- Comparably high growth rates in 2023 and 2024 driven by anticipated LIDE orders
- Margin increase resulting from the high scalability of LPKF's business model

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	2018	2019	2020	2021	2022e	2023e	2024e	
Net Income before minorities	8.1	13.1	5.3	-0.1	6.9	25.1	37.4	
+ Depreciation + Amortisation	8.1	7.7	7.3	7.5	8.5	9.7	10.9	
- Net Interest Income	-0.9	-0.5	-0.2	-0.2	-0.1	-0.1	-0.1	
- Maintenance Capex	3.9	2.8	1.9	1.9	2.7	4.1	5.6	
+ Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
= Free Cash Flow Potential	13.1	18.5	11.0	5.8	12.8	30.8	42.8	
FCF Potential Yield (on market EV)	6.5 %	8.9 %	2.2 %	1.1 %	4.1 %	10.5 %	16.1 %	
WACC	8.53 %	8.53 %	8.53 %	8.53 %	8.53 %	8.53 %	8.53 %	
= Enterprise Value (EV)	202.0	208.3	493.0	547.8	309.3	293.7	266.2	
= Fair Enterprise Value	153.6	217.0	128.4	67.7	149.6	361.3	501.8	
- Net Debt (Cash)	-10.0	-10.0	-10.0	-10.0	-13.5	-29.0	-56.6	
- Pension Liabilities	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
- Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
- Market value of minorities	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	163.2	226.6	138.0	77.3	162.7	390.0	558.0	
Number of shares, average	24.5	24.5	24.5	24.5	24.5	24.5	24.5	
= Fair value per share (EUR)	6.66	9.25	5.63	3.16	6.64	15.92	22.78	
premium (-) / discount (+) in %					-49.5 %	21.0 %	73.1 %	
Sensitivity Fair value per Share (EUR)								
	11.53 %	5.03	6.95	4.27	2.44	5.05	12.08	17.45
	10.53 %	5.47	7.57	4.64	2.63	5.48	13.12	18.89
	9.53 %	6.00	8.32	5.08	2.87	6.00	14.37	20.63
WACC	8.53 %	6.66	9.25	5.63	3.16	6.64	15.92	22.78
	7.53 %	7.49	10.43	6.33	3.52	7.45	17.88	25.50
	6.53 %	8.58	11.96	7.24	4.00	8.51	20.44	29.05
	5.53 %	10.06	14.05	8.48	4.66	9.95	23.92	33.88

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

Valuation	2018	2019	2020	2021	2022e	2023e	2024e
Price / Book	2.4 x	2.5 x	5.4 x	6.0 x	3.2 x	2.6 x	2.0 x
Book value per share ex intangibles	2.55	3.06	3.09	2.99	3.25	4.28	5.83
EV / Sales	1.7 x	1.5 x	5.1 x	5.9 x	2.3 x	1.4 x	1.0 x
EV / EBITDA	13.6 x	7.7 x	33.2 x	72.1 x	16.9 x	6.5 x	4.2 x
EV / EBIT	29.5 x	10.8 x	65.4 x	n.a.	31.7 x	8.3 x	5.0 x
EV / EBIT adj.*	22.1 x	11.3 x	65.4 x	n.a.	31.7 x	8.3 x	5.0 x
P / FCF	32.1 x	5.5 x	n.a.	n.a.	91.7 x	20.7 x	11.7 x
P / E	22.9 x	17.4 x	93.8 x	n.a.	47.0 x	12.8 x	8.6 x
P / E adj.*	22.9 x	17.4 x	93.8 x	n.a.	47.0 x	12.8 x	8.6 x
Dividend Yield	n.a.	1.1 %	0.5 %	0.4 %	1.5 %	1.5 %	1.5 %
FCF Potential Yield (on market EV)	6.5 %	8.9 %	2.2 %	1.1 %	4.1 %	10.5 %	16.1 %

*Adjustments made for: -

Consolidated profit & loss

In EUR m	2018	2019	2020	2021	2022e	2023e	2024e
Sales	120.0	140.0	96.2	93.6	136.6	203.4	278.0
Change Sales yoy	17.5 %	16.7 %	-31.3 %	-2.8 %	46.0 %	48.9 %	36.6 %
Increase / decrease in inventory	0.8	-0.8	0.2	7.3	-5.5	0.2	0.6
Own work capitalised	4.3	4.3	5.3	5.9	4.8	4.7	4.7
Total Sales	125.1	143.6	101.7	106.7	135.9	208.3	283.3
Material expenses	48.0	54.2	32.0	36.8	50.1	75.3	102.3
Gross profit	77.2	89.4	69.7	69.9	85.8	133.0	181.0
<i>Gross profit margin</i>	<i>64.3 %</i>	<i>63.8 %</i>	<i>72.4 %</i>	<i>74.7 %</i>	<i>62.8 %</i>	<i>65.4 %</i>	<i>65.1 %</i>
Personnel expenses	44.3	44.7	41.5	44.3	47.1	61.2	82.0
Other operating income	3.7	4.0	3.8	3.3	3.6	4.3	5.3
Other operating expenses	21.7	21.7	17.1	21.2	23.9	30.9	40.6
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	14.9	26.9	14.8	7.6	18.3	45.2	63.7
<i>Margin</i>	<i>12.4 %</i>	<i>19.2 %</i>	<i>15.4 %</i>	<i>8.1 %</i>	<i>13.4 %</i>	<i>22.2 %</i>	<i>22.9 %</i>
Depreciation of fixed assets	3.9	4.4	4.0	3.8	4.3	5.1	6.0
EBITA	11.0	22.5	10.9	3.8	14.0	40.1	57.7
Amortisation of intangible assets	4.2	3.3	3.3	3.7	4.3	4.6	4.9
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	6.8	19.2	7.5	0.1	9.8	35.5	52.8
<i>Margin</i>	<i>5.7 %</i>	<i>13.7 %</i>	<i>7.8 %</i>	<i>0.1 %</i>	<i>7.1 %</i>	<i>17.4 %</i>	<i>19.0 %</i>
EBIT adj.	9.1	18.4	7.5	0.1	9.8	35.5	52.8
Interest income	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Interest expenses	0.9	0.5	0.3	0.2	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	6.0	18.7	7.3	-0.2	9.7	35.4	52.7
<i>Margin</i>	<i>5.0 %</i>	<i>13.4 %</i>	<i>7.6 %</i>	<i>-0.2 %</i>	<i>7.1 %</i>	<i>17.4 %</i>	<i>19.0 %</i>
Total taxes	-2.1	5.6	2.0	-0.1	2.8	10.3	15.3
Net income from continuing operations	8.1	13.1	5.3	-0.1	6.9	25.1	37.4
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	8.1	13.1	5.3	-0.1	6.9	25.1	37.4
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	8.1	13.1	5.3	-0.1	6.9	25.1	37.4
<i>Margin</i>	<i>6.7 %</i>	<i>9.4 %</i>	<i>5.6 %</i>	<i>-0.1 %</i>	<i>5.0 %</i>	<i>12.3 %</i>	<i>13.5 %</i>
Number of shares, average	24.5	24.5	24.5	24.5	24.5	24.5	24.5
EPS	0.33	0.54	0.22	0.00	0.28	1.03	1.53
EPS adj.	0.33	0.54	0.22	0.00	0.28	1.03	1.53

*Adjustments made for:

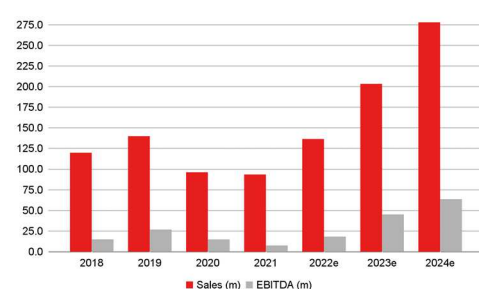
Guidance: Sales EUR 110-130m. EBIT margin 2% to 7%

Financial Ratios

	2018	2019	2020	2021	2022e	2023e	2024e
Total Operating Costs / Sales	91.9 %	83.3 %	90.2 %	105.9 %	86.1 %	80.2 %	79.0 %
Operating Leverage	4.2 x	10.8 x	1.9 x	35.8 x	357.6 x	5.4 x	1.3 x
EBITDA / Interest expenses	17.4 x	52.0 x	51.2 x	30.8 x	218.0 x	537.9 x	758.2 x
Tax rate (EBT)	-34.5 %	29.9 %	26.9 %	32.9 %	29.0 %	29.0 %	29.0 %
Dividend Payout Ratio	0.0 %	18.7 %	45.9 %	n.m.	71.3 %	19.5 %	13.1 %
Sales per Employee	183,145	205,328	139,673	125,426	180,928	217,745	233,282

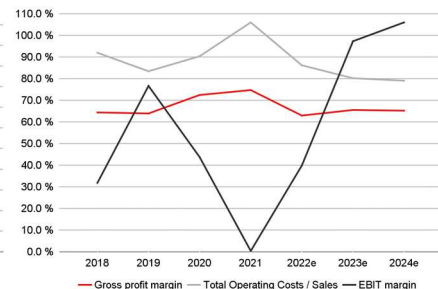
Sales, EBITDA

in EUR m

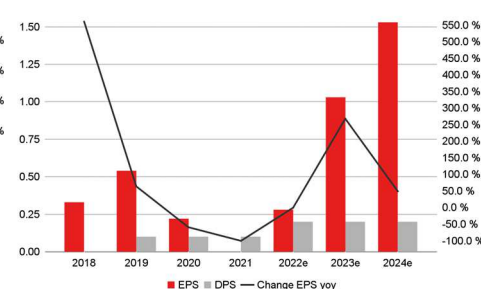


Operating Performance

in %



Performance per Share



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

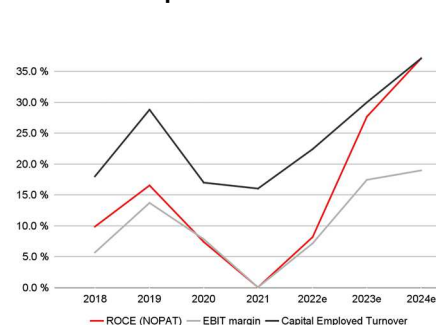
Consolidated balance sheet

In EUR m	2018	2019	2020	2021	2022e	2023e	2024e
Assets							
Goodwill and other intangible assets	15.2	15.9	17.3	19.1	19.6	19.7	19.5
thereof other intangible assets	1.4	1.0	0.7	0.7	0.7	0.7	0.7
thereof Goodwill	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Property, plant and equipment	44.3	44.7	46.0	46.3	49.0	51.5	54.1
Financial assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other long-term assets	0.2	0.1	0.0	0.2	0.2	0.2	0.2
Fixed assets	59.8	60.7	63.4	65.6	68.8	71.4	73.7
Inventories	25.7	19.2	19.8	28.5	24.2	32.0	40.1
Accounts receivable	30.5	11.3	13.2	17.2	16.8	21.2	26.7
Liquid assets	3.7	31.3	20.1	15.2	17.7	33.2	60.8
Other short-term assets	9.1	5.5	5.2	5.8	5.8	5.8	5.8
Current assets	69.0	67.3	58.3	66.7	64.5	92.2	133.4
Total Assets	128.8	128.0	121.7	132.2	133.3	163.6	207.1
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	10.2	12.0	18.9	44.0	81.4
Other equity components	27.5	40.7	42.8	40.2	40.4	40.6	40.8
Shareholders' equity	77.7	90.8	92.9	92.2	99.3	124.6	162.2
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	77.7	90.8	92.9	92.2	99.3	124.6	162.2
Provisions	5.5	6.1	3.2	2.7	2.7	2.7	2.7
thereof provisions for pensions and similar obligations	0.3	0.3	0.4	0.4	0.4	0.4	0.4
Financial liabilities (total)	20.0	8.9	6.9	5.2	4.2	4.2	4.2
Short-term financial liabilities	2.6	2.0	1.8	1.8	1.8	1.8	1.8
Accounts payable	6.9	5.6	7.6	7.2	9.0	13.4	18.3
Other liabilities	18.6	16.5	11.0	24.9	18.1	18.7	19.7
Liabilities	51.1	37.2	28.7	40.0	34.0	39.0	44.9
Total liabilities and shareholders' equity	128.8	128.0	121.7	132.2	133.3	163.6	207.1

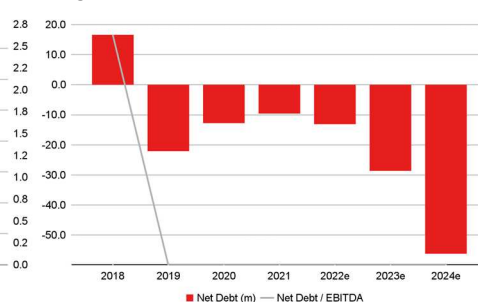
Financial Ratios

	2018	2019	2020	2021	2022e	2023e	2024e
Efficiency of Capital Employment							
Operating Assets Turnover	1.5 x	2.3 x	1.4 x	1.4 x	2.0 x	2.6 x	3.1 x
Capital Employed Turnover	1.3 x	2.0 x	1.2 x	1.1 x	1.6 x	2.1 x	2.6 x
ROA	13.5 %	21.6 %	8.4 %	-0.2 %	10.0 %	35.2 %	50.7 %
Return on Capital							
ROCE (NOPAT)	9.9 %	16.5 %	7.4 %	0.0 %	8.2 %	27.7 %	37.1 %
ROE	12.2 %	15.6 %	5.8 %	-0.1 %	7.2 %	22.4 %	26.1 %
Adj. ROE	12.2 %	15.6 %	5.8 %	-0.1 %	7.2 %	22.4 %	26.1 %
Balance sheet quality							
Net Debt	16.6	-22.1	-12.8	-9.6	-13.1	-28.7	-56.2
Net Financial Debt	16.3	-22.4	-13.1	-10.0	-13.5	-29.0	-56.6
Net Gearing	21.4 %	-24.3 %	-13.7 %	-10.4 %	-13.2 %	-23.0 %	-34.7 %
Net Fin. Debt / EBITDA	109.7 %	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	3.2	3.7	3.8	3.8	4.1	5.1	6.6
Book value per share ex intangibles	2.6	3.1	3.1	3.0	3.3	4.3	5.8

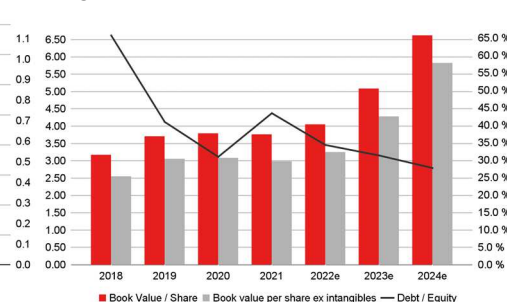
ROCE Development



Net debt in EUR m



Book Value per Share in EUR



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

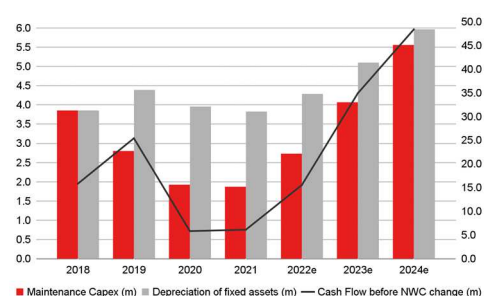
Consolidated cash flow statement

In EUR m	2018	2019	2020	2021	2022e	2023e	2024e
Net income	8.1	13.1	5.3	-0.1	6.9	25.1	37.4
Depreciation of fixed assets	3.9	4.4	4.0	3.8	4.3	5.1	6.0
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	4.2	3.3	3.3	3.7	4.3	4.6	4.9
Increase/decrease in long-term provisions	1.1	0.5	-2.5	-0.5	0.0	0.0	0.0
Other non-cash income and expenses	-1.4	4.1	-4.3	-0.8	0.1	0.1	0.1
Cash Flow before NWC change	15.8	25.4	5.8	6.1	15.5	34.9	48.4
Increase / decrease in inventory	-0.2	6.6	-2.0	-9.4	4.3	-7.8	-8.1
Increase / decrease in accounts receivable	-11.1	19.2	-1.5	-3.6	0.4	-4.4	-5.5
Increase / decrease in accounts payable	3.1	-2.8	2.0	-0.5	-5.0	5.0	5.9
Increase / decrease in other working capital positions	4.0	-0.3	-0.4	15.3	0.6	0.6	0.6
Increase / decrease in working capital (total)	-4.3	22.6	-1.8	1.8	0.3	-6.6	-7.1
Net cash provided by operating activities [1]	11.5	48.0	4.0	7.9	15.8	28.3	41.3
Investments in intangible assets	-4.0	-4.0	-4.8	-5.4	-5.3	-5.2	-5.2
Investments in property, plant and equipment	-1.8	-1.8	-4.8	-3.2	-7.0	-7.6	-8.5
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	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Net cash provided by investing activities [2]	-5.7	-5.8	-9.5	-8.6	-12.3	-12.8	-13.7
Change in financial liabilities	-13.6	-13.2	-2.2	-2.1	-1.0	0.0	0.0
Dividends paid	0.0	0.0	-2.4	-2.5	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	16.2	0.0	0.0	0.0	0.0	0.0	0.0
Other	-0.9	-1.3	-0.7	-0.7	0.0	0.0	0.0
Net cash provided by financing activities [3]	1.8	-14.5	-5.4	-5.2	-1.0	0.0	0.0
Change in liquid funds [1]+[2]+[3]	7.6	27.7	-11.0	-5.9	2.5	15.5	27.6
Effects of exchange-rate changes on cash	0.1	-0.1	-0.3	1.0	0.0	0.0	0.0
Cash and cash equivalent at end of period	11.1	31.3	20.1	15.2	17.7	33.2	60.8

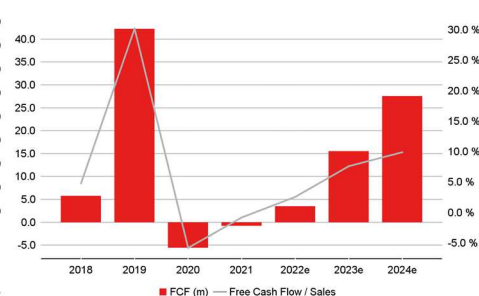
Financial Ratios

	2018	2019	2020	2021	2022e	2023e	2024e
Cash Flow							
FCF	5.8	42.2	-5.6	-0.8	3.5	15.5	27.6
Free Cash Flow / Sales	4.8 %	30.2 %	-5.8 %	-0.8 %	2.6 %	7.6 %	9.9 %
Free Cash Flow Potential	13.1	18.5	11.0	5.8	12.8	30.8	42.8
Free Cash Flow / Net Profit	71.8 %	321.9 %	-104.1 %	670.2 %	51.2 %	61.8 %	73.7 %
Interest Received / Avg. Cash	0.1 %	0.1 %	0.2 %	0.1 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	2.8 %	3.6 %	3.7 %	4.1 %	1.8 %	2.0 %	2.0 %
Management of Funds							
Investment ratio	4.8 %	4.1 %	9.9 %	9.3 %	9.0 %	6.3 %	4.9 %
Maint. Capex / Sales	3.2 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %
Capex / Dep	71.1 %	75.3 %	130.4 %	115.2 %	143.7 %	131.8 %	126.1 %
Avg. Working Capital / Sales	29.7 %	18.9 %	18.4 %	21.2 %	14.2 %	11.4 %	11.0 %
Trade Debtors / Trade Creditors	444.1 %	201.8 %	173.0 %	238.2 %	186.7 %	158.2 %	145.9 %
Inventory Turnover	1.9 x	2.8 x	1.6 x	1.3 x	2.1 x	2.4 x	2.6 x
Receivables collection period (days)	93	30	50	67	45	38	35
Payables payment period (days)	52	38	87	71	66	65	65
Cash conversion cycle (Days)	149	54	133	88	65	65	63

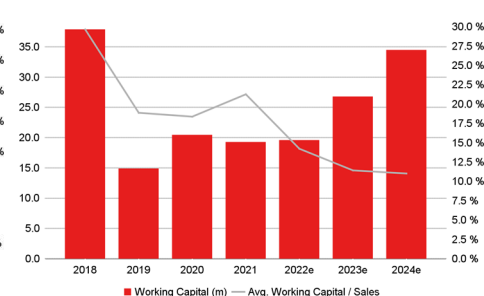
CAPEX and Cash Flow
in EUR m



Free Cash Flow Generation



Working Capital



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

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- 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	http://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 price target 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	169	79
Hold	36	17
Sell	5	2
Rating suspended	3	1
Total	213	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	51	86
Hold	5	8
Sell	1	2
Rating suspended	2	3
Total	59	100

PRICE AND RATING HISTORY LPKF AS OF 24.03.2022



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 +49 40 3282-2678
Head of Equities mrode@mmwarburg.com

RESEARCH

Michael Heider +49 40 309537-280
Head of Research mheider@warburg-research.com

Henner Rüschemier +49 40 309537-270
Head of Research hrueschmeier@warburg-research.com

Stefan Augustin +49 40 309537-168
Cap. Goods, Engineering saugustin@warburg-research.com

Jan Bauer +49 40 309537-155
Renewables jbauer@warburg-research.com

Jonas Blum +49 40 309537-240
Telco, Media, Construction jblum@warburg-research.com

Christian Cohrs +49 40 309537-175
Industrials & Transportation ccohrs@warburg-research.com

Dr. Christian Ehmann +49 40 309537-167
BioTech, Life Science cehmann@warburg-research.com

Felix Ellmann +49 40 309537-120
Software, IT fellmann@warburg-research.com

Jörg Philipp Frey +49 40 309537-258
Retail, Consumer Goods jfrey@warburg-research.com

Marius Fuhrberg +49 40 309537-185
Financial Services mfuhrberg@warburg-research.com

Mustafa Hidir +49 40 309537-230
Automobiles, Car Suppliers mhidir@warburg-research.com

Philipp Kaiser +49 40 309537-260
Real Estate pkaiser@warburg-research.com

Thilo Kleibauer +49 40 309537-257
Retail, Consumer Goods tkleibauer@warburg-research.com

Eggert Kuls +49 40 309537-256
Engineering ekuls@warburg-research.com

Andreas Pläsier +49 40 309537-246
Banks, Financial Services aplaesier@warburg-research.com

Malte Schaumann +49 40 309537-170
Technology mschaumann@warburg-research.com

Oliver Schwarz +49 40 309537-250
Chemicals, Agriculture oschwarz@warburg-research.com

Simon Stippig +49 40 309537-265
Real Estate sstippig@warburg-research.com

Cansu Tatar +49 40 309537-248
Cap. Goods, Engineering ctatar@warburg-research.com

Marc-René Tonn +49 40 309537-259
Automobiles, Car Suppliers mtonn@warburg-research.com

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

Andreas Wolf +49 40 309537-140
Software, IT awolf@warburg-research.com

INSTITUTIONAL EQUITY SALES

Marc Niemann +49 40 3282-2660
Head of Equity Sales, Germany mniemann@mmwarburg.com

Klaus Schilling +49 69 5050-7400
Head of Equity Sales, Germany kschilling@mmwarburg.com

Tim Beckmann +49 40 3282-2665
United Kingdom tbeckmann@mmwarburg.com

Lea Bogdanova +49 69 5050-7411
United Kingdom, Ireland lbogdanova@mmwarburg.com

Jens Buchmüller +49 69 5050-7415
Scandinavia, Austria jbuchmueller@mmwarburg.com

Alexander Eschweiler +49 40 3282-2669
Germany, Luxembourg aeschweiler@mmwarburg.com

Matthias Fritsch +49 40 3282-2696
United Kingdom mfritsch@mmwarburg.com

Maximilian Martin +49 69 5050-7413
Austria, Poland mmartin@mmwarburg.com

Christopher Seedorf +49 40 3282-2695
Switzerland cseedorf@mmwarburg.com

Sophie Hauer +49 69 5050-7417
Roadshow/Marketing shauer@mmwarburg.com

Juliane Niemann +49 40 3282-2694
Roadshow/Marketing jniemann@mmwarburg.com

SALES TRADING

Oliver Merckel +49 40 3282-2634
Head of Sales Trading omerckel@mmwarburg.com

Elyaz Dust +49 40 3282-2702
Sales Trading edust@mmwarburg.com

Michael Ilgenstein +49 40 3282-2700
Sales Trading milgenstein@mmwarburg.com

Marcel Magiera +49 40 3282-2662
Sales Trading mmagiera@mmwarburg.com

Bastian Quast +49 40 3282-2701
Sales Trading bquast@mmwarburg.com

Jörg Treptow +49 40 3282-2658
Sales Trading jtreptow@mmwarburg.com

MACRO RESEARCH

Carsten Klude +49 40 3282-2572
Macro Research cklude@mmwarburg.com

Dr. Christian Jasperneite +49 40 3282-2439
Investment Strategy cjasperneite@mmwarburg.com

Our research can be found under:

Warburg Research research.mmwarburg.com/en/index.html
Bloomberg RESP MMWA GO
FactSet www.factset.com

Refinitiv www.refinitiv.com
Capital IQ www.capitaliq.com

For access please contact:

Andrea Schaper +49 40 3282-2632
Sales Assistance aschaper@mmwarburg.com

Kerstin Muthig +49 40 3282-2703
Sales Assistance kmuthig@mmwarburg.com