(CDAX, Industrial Goods & Services, LPK GR)



| Buy<br>eur 35.00 |           | Value Indicators:<br>DCF:<br>FCF-Value Potential 23e: | 34.85  | Warburg ESG Risk Score:<br>ESG Score (MSCI based):<br>Balance Sheet Score:<br>Market Liquidity Score: | <b>3.0</b><br>2.0<br>5.0<br>2.0 | <ul> <li>Highly specialised machine</li> <li>manufacturer developing laser</li> </ul> |       |  |
|------------------|-----------|---|--------|---|---------------------------------|---|-------|--|
|                  |           | Market Snapshot:                                      | EUR m  | Shareholders:   |                                 | Key Figures (WRe):  | 2021e |  |
|                  |           | Market cap:   | 393.9  | Freefloat   | 100.0 %                         | Beta:   | 1.3   |  |
| Price            | EUR 16.08 | No. of shares (m):                                    | 24.5   | Small Cap World Fund  | 5.0 %                           | Price / Book:   | 4.2 x |  |
| Upside           | 117.7 %   | EV:   | 383.1  | JPMorgan AM   | 3.0 %                           | Equity Ratio:   | 75 %  |  |
| - perme          |           | Freefloat MC:   | 393.9  | Société Générale  | 3.0 %                           |   |       |  |
|                  |           | Ø Trad. Vol. (30d):                                   | 3.51 m | UBS   | 3.0 %                           |   |       |  |

#### Targets adjusted due to further solar order postponements

LPKF has cut its full-year sales target from EUR 110m to EUR 92-102m and the EBIT target from approx. EUR 1m to a range of EUR -2m to +6m. The guidance revision was the result of postponements in the delivery of solar orders. While LPKF was able to secure all required materials despite the current shortages and produce the equipment on time, the shipment schedule was delayed for some orders due to logistic bottlenecks. In addition, a Chinese customer had to delay its solar project which subsequently led to a shift in the delivery schedule for LPKF. In total, orders with a volume of EUR 17m were postponed and are now scheduled for Q1 2022. Order delays that resulted in the Q3 target revision have been delivered in full in the fourth quarter.

Although the adjusted top-line target is roughly on the previous year's level (EUR 96.2m), the management is anticipating a notable EBIT decline compared to last year (EUR 7.5m). This is the result of higher costs associated with the Arralyze launch next year and the development and improvement of other LIDE applications, including the flex 3.0 process for foldable displays.

While we have reduced our estimates for the current year, we increased our projections for 2022 to reflect the revenue shift from Q4 21 to Q1 22 in the solar segment and confirm our target price of EUR 35. Considering the strong mid-term potential of the LIDE technology, we confirm our Buy recommendation for LPKF. However, we are not anticipating a significant LIDE order in H1 2022 and do not expect short-term triggers for the stock.

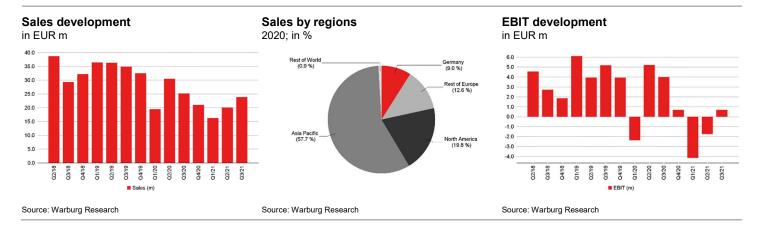
| Changes in E               | Estimates:     |                    |                |                |                |                  | Comment on Changes:   |
|----------------------------|----------------|--------------------|----------------|----------------|----------------|------------------|---|
| FY End: 31.12.<br>in EUR m | 2021e<br>(old) | + / -              | 2022e<br>(old) | + / -          | 2023e<br>(old) | + / -            | <ul> <li>2021 estimates reduced due to postponements of large solar orders</li> <li>Margin decreases as a result of lower sales volume</li> </ul> |
| Sales<br>EBIT              | 113.3<br>11.4  | -15.9 %<br>-94.2 % | 146.9<br>22.6  | 3.9 %<br>3.9 % | 214.1<br>41.1  | -0.5 %<br>-0.5 % | <ul> <li>With orders shifting from Q4 21 to Q1 22, we increased our sales<br/>estimate for next year</li> </ul>                                   |
| EPS                        | 0.33           | -93.9 %            | 0.65           | 4.6 %          | 1.19           | -0.8 %           |   |

| 5 -                      |                   | FY End: 31.12.<br>in EUR m | CAGR<br>(20-23e) | 2017        | 2018       | 2019   | 2020    | 2021e   | 2022e  | 2023e  |
|--------------------------|-------------------|----------------------------|------------------|-------------|------------|--------|---------|---------|--------|--------|
| month in 1 1 - 0         | many my m         | Sales                      | 30.3 %           | 102.1       | 120.0      | 140.0  | 96.2    | 95.3    | 152.6  | 213.1  |
| .5 - Way war work w      | 1 V V V           | Change Sales yoy           |                  | 12.0 %      | 17.5 %     | 16.7 % | -31.3 % | -1.0 %  | 60.1 % | 39.7 % |
| 5 - Mm M                 |                   | Gross profit margin        |                  | 69.7 %      | 64.3 %     | 63.8 % | 72.4 %  | 71.7 %  | 65.5 % | 66.1 % |
|                          |                   | EBITDA                     | 50.8 %           | 11.6        | 14.9       | 26.9   | 14.8    | 6.8     | 31.3   | 50.9   |
| - 1/4                    | A                 | Margin                     |                  | 11.4 %      | 12.4 %     | 19.2 % | 15.4 %  | 7.1 %   | 20.5 % | 23.9 % |
| p                        | MI M              | EBIT                       | 75.7 %           | 4.0         | 6.8        | 19.2   | 7.5     | 0.7     | 23.5   | 40.9   |
|                          | mywa la           | Margin                     |                  | 3.9 %       | 5.7 %      | 13.7 % | 7.8 %   | 0.7 %   | 15.4 % | 19.2 % |
| 5 -                      | , wy              | Net income                 | 75.8 %           | 1.1         | 8.1        | 13.1   | 5.3     | 0.4     | 16.6   | 29.0   |
| 01/21 03/21 05/21 07/21  | 09/21 11/21       | EPS                        | 75.0 %           | 0.05        | 0.33       | 0.54   | 0.22    | 0.02    | 0.68   | 1.18   |
| LPKF Laser & Electronics |                   | EPS adj.                   | 75.0 %           | 0.05        | 0.33       | 0.54   | 0.22    | 0.02    | 0.68   | 1.18   |
|                          | CDAX (normalised) | DPS                        | 26.0 %           | 0.00        | 0.00       | 0.10   | 0.10    | 0.10    | 0.20   | 0.20   |
| el. Performance vs C     | DAX:              | Dividend Yield             |                  | n.a.        | n.a.       | 1.1 %  | 0.5 %   | 0.6 %   | 1.2 %  | 1.2 %  |
|                          |                   | FCFPS                      |                  | 0.14        | 0.24       | 1.72   | -0.23   | -0.08   | 0.48   | 0.81   |
| nonth:                   | -17.0 %           | FCF / Market cap           |                  | 1.6 %       | 3.1 %      | 18.3 % | -1.1 %  | -0.5 %  | 3.0 %  | 5.1 %  |
| nonths:                  | -34.5 %           | EV / Sales                 |                  | 2.3 x       | 1.7 x      | 1.5 x  | 5.1 x   | 4.0 x   | 2.4 x  | 1.6 x  |
| ear to date:             | -54.6 %           | EV / EBITDA                |                  | 19.9 x      | 13.6 x     | 7.7 x  | 33.2 x  | 56.6 x  | 11.9 x | 6.9 x  |
| ailing 12 months:        | -48.7 %           | EV / EBIT                  |                  | 58.6 x      | 29.5 x     | 10.8 x | 65.4 x  | 574.2 x | 15.8 x | 8.6 x  |
| <b>U</b>                 |                   | P/E                        |                  | 173.8 x     | 22.9 x     | 17.4 x | 93.8 x  | 804.0 x | 23.6 x | 13.6 x |
| ompany events:           |                   | P / E adj.                 |                  | 173.8 x     | 22.9 x     | 17.4 x | 93.8 x  | 804.0 x | 23.6 x | 13.6 x |
| 3.03.22                  | FY 2021           | FCF Potential Yield        |                  | 2.5 %       | 6.5 %      | 8.9 %  | 2.2 %   | 1.2 %   | 5.8 %  | 9.9 %  |
| .04.22                   | Q1                | Net Debt                   |                  | 38.0        | 16.6       | -22.1  | -12.8   | -10.8   | -22.6  | -42.6  |
| 0.05.22                  | AGM               | ROCE (NOPAT)               |                  | 1.6 %       | 9.9 %      | 16.5 % | 7.4 %   | 0.6 %   | 19.7 % | 31.7 % |
| 3.07.22                  | Q2                | Guidance: S                | ales EUR 92      | -102m. EBIT | EUR -2m to | 6m     |         |         |        |        |

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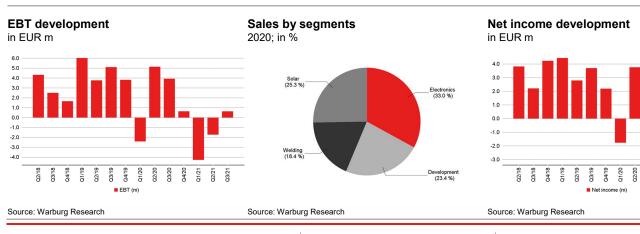


### **Company Background**

- 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 2021e 2022e 2023e 2024e 2025e 2026e 2027e 2028e 2029e 2030e 2031e 2032e 2033e Sales 95.3 152.6 213.1 314.0 353.6 388.9 425.9 464.2 503.7 543.9 576.6 599.6 614.6 Sales change -1.0 % 60.1 % 39.7 % 47.4 % 12.6 % 10.0 % 9.5 % 9.0 % 8.5 % 8.0 % 6.0 % 4.0 % 2.5 % 2.5 % EBIT 0.7 23.5 40.9 68.5 80.9 85.6 91.6 97.5 100.7 103.3 98.0 95.9 98.3 EBIT-margin 0.7 % 15.4 % 19.2 % 21.8 % 22.9 % 22.0 % 21.5 % 21.0 % 20.0 % 19.0 % 17.0 % 16.0 % 16.0 % Tax rate (EBT) 28.5 % 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 0.5 16.7 29.0 48.6 57.5 59.9 64.1 68.2 70.5 72.3 68.6 67.2 68.8 Depreciation 61 78 10.0 14 4 15.6 16.3 17 0 18 6 20.1 21.8 23 1 24 0 24 6 in % of Sales 6.4 % 5.1 % 4.7 % 4.6 % 4.4 % 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 0.3 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.0 0.0 Change in Liquidity from 7.6 3.5 3.7 2.3 - Working Capital -3.3 1.6 8.1 0.8 3.8 3.9 4.0 3.3 1.5 - Capex 11.6 11.7 11.7 17.3 17.7 17.5 17.0 18.6 20.1 21.8 23.1 24.0 24.6 Capex in % of Sales 12.2 % 7.7 % 5.5 % 5.5 % 5.0 % 4.5 % 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 -1.8 11.2 19.3 38.4 54.6 55.3 60.5 64.5 66.6 68.4 65.4 64.9 67.4 69 Model) 35.9 27 6 477 PV of FCF -18 10.5 16 7 30.7 40 4 37.8 38.2 37 6 34 1 30.1 26.5 share of PVs 40.31 % 56.68 % Model parameter Valuation (m) Derivation of WACC: Derivation of Beta: Present values 2033e 364 Terminal Value 477 Debt ratio 5.00 % Financial Strength 1.10 Financial liabilities 7 0 Cost of debt (after tax) 2.8 % Liquidity (share) 1.30 Pension liabilities Market return 7.00 % Cyclicality 1.30 Hybrid capital 0 Risk free rate 1.50 % Transparency 1.35 Minority interest 0 Others 1.30 Market val. of investments 0 Liquidity 20 No. of shares (m) 24.5 WACC 8.20 % Beta 1.27 854 34.85 Equity Value Value per share (EUR)

#### 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 | -1.0 pp | -0.5 pp | +0.0 pp | +0.5 pp | +1.0 pp | +1.5 pp |
| 1.46 | 9.2 % | 27.86    | 28.33  | 28.83  | 29.36  | 29.93  | 30.56  | 31.23  | 1.46              | 9.2 % | 26.70   | 27.59   | 28.47   | 29.36   | 30.25   | 31.13   | 32.02   |
| 1.37 | 8.7 % | 30.06    | 30.62  | 31.23  | 31.88  | 32.60  | 33.37  | 34.21  | 1.37              | 8.7 % | 28.99   | 29.95   | 30.92   | 31.88   | 32.85   | 33.81   | 34.78   |
| 1.32 | 8.5 % | 31.28    | 31.90  | 32.57  | 33.31  | 34.10  | 34.97  | 35.92  | 1.32              | 8.5 % | 30.27   | 31.29   | 32.30   | 33.31   | 34.32   | 35.33   | 36.34   |
| 1.27 | 8.2 % | 32.59    | 33.28  | 34.03  | 34.85  | 35.74  | 36.72  | 37.80  | 1.27              | 8.2 % | 31.68   | 32.73   | 33.79   | 34.85   | 35.91   | 36.97   | 38.03   |
| 1.22 | 8.0 % | 34.01    | 34.78  | 35.62  | 36.54  | 37.55  | 38.65  | 39.88  | 1.22              | 8.0 % | 33.21   | 34.32   | 35.43   | 36.54   | 37.65   | 38.77   | 39.88   |
| 1.17 | 7.7 % | 35.55    | 36.42  | 37.36  | 38.39  | 39.53  | 40.79  | 42.19  | 1.17              | 7.7 % | 34.88   | 36.05   | 37.22   | 38.39   | 39.56   | 40.73   | 41.90   |
| 1.08 | 7.2 % | 39.07    | 40.16  | 41.36  | 42.69  | 44.17  | 45.83  | 47.69  | 1.08              | 7.2 % | 38.77   | 40.08   | 41.39   | 42.69   | 44.00   | 45.30   | 46.61   |
|      |       |          |        |        |        |        |        |        |                   |       |         |         |         |         |         |         |         |

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                                       | 2017        | 2018   | 2019   | 2020   | 2021e   | 2022e   | 2023e  |
|--|-------------|--------|--------|--------|---------|---------|--------|
| Net Income before minorities                   | 1.1         | 8.1    | 13.1   | 5.3    | 0.4     | 16.6    | 29.0   |
| + Depreciation + Amortisation                  | 7.7         | 8.1    | 7.7    | 7.3    | 6.1     | 7.8     | 10.0   |
| <ul> <li>Net Interest Income</li> </ul>        | -0.9        | -0.9   | -0.5   | -0.2   | -0.1    | -0.1    | 0.0    |
| <ul> <li>Maintenance Capex</li> </ul>          | 4.0         |        | 2.8    | 1.9    | 1.9     | 3.1     | 4.3    |
| + Other  | 0.0         | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0    |
| = Free Cash Flow Potential                     | 5.8         | 13.1   | 18.5   | 11.0   | 4.7     | 21.4    | 34.8   |
| FCF Potential Yield (on market EV)             | 2.5 %       | 6.5 %  | 8.9 %  | 2.2 %  | 1.2 %   | 5.8 %   | 9.9 %  |
| WACC   | 8.20 %      | 8.20 % | 8.20 % | 8.20 % | 8.20 %  | 8.20 %  | 8.20 % |
| = Enterprise Value (EV)                        | 231.5       | 202.0  | 208.3  | 493.0  | 383.1   | 371.3   | 351.3  |
| = Fair Enterprise Value                        | 70.1        | 159.8  | 225.8  | 133.6  | 57.3    | 261.3   | 424.5  |
| - Net Debt (Cash)                              | -13.1       | -13.1  | -13.1  | -13.1  | -11.2   | -23.0   | -42.9  |
| - 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    |
| <ul> <li>Market value of minorities</li> </ul> | 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                   | 82.9        | 172.6  | 238.6  | 146.4  | 68.2    | 284.0   | 467.1  |
| Number of shares, average                      | 22.3        | 24.5   | 24.5   | 24.5   | 24.5    | 24.5    | 24.5   |
| = Fair value per share (EUR)                   | 3.72        | 7.04   | 9.74   | 5.98   | 2.78    | 11.59   | 19.07  |
| premium (-) / discount (+) in %                |             |        |        |        | -82.7 % | -27.9 % | 18.6 % |
| Sensitivity Fair value per Share (E            | UR)         |        |        |        |         |         |        |
| 1,   | 1.20 % 2.62 | 5.30   | 7.27   | 4.51   | 2.16    | 8.74    | 14.43  |
| 10   | ).20 % 2.82 | 5.77   | 7.93   | 4.91   | 2.32    | 9.50    | 15.67  |
| 9  | 9.20 % 3.07 | 6.34   | 8.74   | 5.38   | 2.53    | 10.43   | 17.18  |
|  | 3.20 % 3.38 |        | 9.74   | 5.98   | 2.78    | 11.59   | 19.07  |
|  | 7.20 % 3.78 |        | 11.02  | 6.73   | 3.11    | 13.07   | 21.47  |
|  | 6.20 % 4.31 |        | 12.71  | 7.73   | 3.54    | 15.03   | 24.66  |
| ł  | 5.20 % 5.04 | 10.81  | 15.06  | 9.12   | 4.13    | 17.75   | 29.06  |

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



| Valuation                           |         |        |        |        |         |        |        |
|-------------------------------------|---------|--------|--------|--------|---------|--------|--------|
|                                     | 2017    | 2018   | 2019   | 2020   | 2021e   | 2022e  | 2023e  |
| Price / Book                        | 3.6 x   | 2.4 x  | 2.5 x  | 5.4 x  | 4.2 x   | 3.6 x  | 2.8 x  |
| Book value per share ex intangibles | 1.74    | 2.55   | 3.06   | 3.09   | 3.03    | 3.67   | 4.85   |
| EV / Sales                          | 2.3 x   | 1.7 x  | 1.5 x  | 5.1 x  | 4.0 x   | 2.4 x  | 1.6 x  |
| EV / EBITDA                         | 19.9 x  | 13.6 x | 7.7 x  | 33.2 x | 56.6 x  | 11.9 x | 6.9 x  |
| EV / EBIT                           | 58.6 x  | 29.5 x | 10.8 x | 65.4 x | 574.2 x | 15.8 x | 8.6 x  |
| EV / EBIT adj.*                     | 132.1 x | 22.1 x | 11.3 x | 65.4 x | 574.2 x | 15.8 x | 8.6 x  |
| P / FCF                             | 62.9 x  | 32.1 x | 5.5 x  | n.a.   | n.a.    | 33.4 x | 19.8 x |
| P/E                                 | 173.8 x | 22.9 x | 17.4 x | 93.8 x | 804.0 x | 23.6 x | 13.6 x |
| P / E adj.*                         | 173.8 x | 22.9 x | 17.4 x | 93.8 x | 804.0 x | 23.6 x | 13.6 x |
| Dividend Yield                      | n.a.    | n.a.   | 1.1 %  | 0.5 %  | 0.6 %   | 1.2 %  | 1.2 %  |
| FCF Potential Yield (on market EV)  | 2.5 %   | 6.5 %  | 8.9 %  | 2.2 %  | 1.2 %   | 5.8 %  | 9.9 %  |
| *Adjustments made for: -            |         |        |        |        |         |        |        |



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

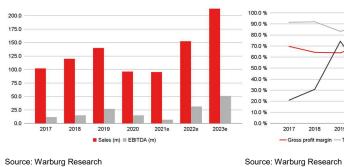
| In EUR m   | 2017   | 2018   | 2019   | 2020    | 2021e  | 2022e  | 2023e  |
|--|--------|--------|--------|---------|--------|--------|--------|
| Sales  | 102.1  | 120.0  | 140.0  | 96.2    | 95.3   | 152.6  | 213.1  |
| Change Sales yoy                                 | 12.0 % | 17.5 % | 16.7 % | -31.3 % | -1.0 % | 60.1 % | 39.7 % |
| Increase / decrease in inventory                 | -0.7   | 0.8    | -0.8   | 0.2     | 5.9    | -0.8   | 1.1    |
| Own work capitalised                             | 3.6    | 4.3    | 4.3    | 5.3     | 4.5    | 4.0    | 4.3    |
| Total Sales                                      | 104.9  | 125.1  | 143.6  | 101.7   | 105.7  | 155.8  | 218.4  |
| Material expenses                                | 33.8   | 48.0   | 54.2   | 32.0    | 37.4   | 55.8   | 77.6   |
| Gross profit                                     | 71.1   | 77.2   | 89.4   | 69.7    | 68.3   | 99.9   | 140.9  |
| Gross profit margin                              | 69.7 % | 64.3 % | 63.8 % | 72.4 %  | 71.7 % | 65.5 % | 66.1 % |
| Personnel expenses                               | 41.9   | 44.3   | 44.7   | 41.5    | 43.9   | 50.3   | 64.1   |
| Other operating income                           | 5.7    | 3.7    | 4.0    | 3.8     | 2.7    | 4.0    | 4.5    |
| Other operating expenses                         | 23.3   | 21.7   | 21.7   | 17.1    | 20.3   | 22.3   | 30.3   |
| Unfrequent items                                 | 0.0    | 0.0    | 0.0    | 0.0     | 0.0    | 0.0    | 0.0    |
| EBITDA   | 11.6   | 14.9   | 26.9   | 14.8    | 6.8    | 31.3   | 50.9   |
| Margin   | 11.4 % | 12.4 % | 19.2 % | 15.4 %  | 7.1 %  | 20.5 % | 23.9 % |
| Depreciation of fixed assets                     | 4.0    | 3.9    | 4.4    | 4.0     | 3.4    | 4.4    | 6.2    |
| EBITA  | 7.6    | 11.0   | 22.5   | 10.9    | 3.3    | 26.9   | 44.7   |
| Amortisation of intangible assets                | 3.7    | 4.2    | 3.3    | 3.3     | 2.7    | 3.4    | 3.8    |
| Goodwill amortisation                            | 0.0    | 0.0    | 0.0    | 0.0     | 0.0    | 0.0    | 0.0    |
| EBIT   | 4.0    | 6.8    | 19.2   | 7.5     | 0.7    | 23.5   | 40.9   |
| Margin   | 3.9 %  | 5.7 %  | 13.7 % | 7.8 %   | 0.7 %  | 15.4 % | 19.2 % |
| EBIT adj.  | 1.8    | 9.1    | 18.4   | 7.5     | 0.7    | 23.5   | 40.9   |
| Interest income                                  | 0.0    | 0.0    | 0.0    | 0.1     | 0.0    | 0.0    | 0.0    |
| Interest expenses                                | 0.9    | 0.9    | 0.5    | 0.3     | 0.1    | 0.1    | 0.0    |
| Other financial income (loss)                    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0    | 0.0    | 0.0    |
| EBT  | 3.0    | 6.0    | 18.7   | 7.3     | 0.6    | 23.4   | 40.9   |
| Margin   | 3.0 %  | 5.0 %  | 13.4 % | 7.6 %   | 0.6 %  | 15.4 % | 19.2 % |
| Total taxes                                      | 1.9    | -2.1   | 5.6    | 2.0     | 0.2    | 6.8    | 11.9   |
| Net income from continuing operations            | 1.1    | 8.1    | 13.1   | 5.3     | 0.4    | 16.6   | 29.0   |
| 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                     | 1.1    | 8.1    | 13.1   | 5.3     | 0.4    | 16.6   | 29.0   |
| Minority interest                                | 0.0    | 0.0    | 0.0    | 0.0     | 0.0    | 0.0    | 0.0    |
| Net income                                       | 1.1    | 8.1    | 13.1   | 5.3     | 0.4    | 16.6   | 29.0   |
| Margin   | 1.1 %  | 6.7 %  | 9.4 %  | 5.6 %   | 0.4 %  | 10.9 % | 13.6 % |
| Number of shares, average                        | 22.3   | 24.5   | 24.5   | 24.5    | 24.5   | 24.5   | 24.5   |
| EPS  | 0.05   | 0.33   | 0.54   | 0.22    | 0.02   | 0.68   | 1.18   |
| EPS adj.   | 0.05   | 0.33   | 0.54   | 0.22    | 0.02   | 0.68   | 1.18   |
| *Adjustments made for:                           |        |        |        |         |        |        |        |

Guidance: Sales EUR 92-102m. EBIT EUR -2m to 6m

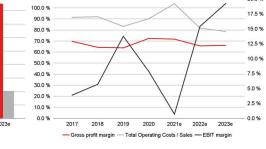
#### **Financial Ratios**

|                               | 2017    | 2018    | 2019    | 2020    | 2021e   | 2022e   | 2023e    |
|-------------------------------|---------|---------|---------|---------|---------|---------|----------|
| Total Operating Costs / Sales | 91.4 %  | 91.9 %  | 83.3 %  | 90.2 %  | 103.8 % | 81.6 %  | 78.6 %   |
| Operating Leverage            | n.a.    | 4.2 x   | 10.8 x  | 1.9 x   | 93.8 x  | 56.9 x  | 1.9 x    |
| EBITDA / Interest expenses    | 12.3 x  | 17.4 x  | 52.0 x  | 51.2 x  | 61.0 x  | 417.9 x | 1311.2 x |
| Tax rate (EBT)                | 61.8 %  | -34.5 % | 29.9 %  | 26.9 %  | 28.5 %  | 29.0 %  | 29.0 %   |
| Dividend Payout Ratio         | 0.0 %   | 0.0 %   | 18.7 %  | 45.9 %  | 615.9 % | 29.5 %  | 16.9 %   |
| Sales per Employee            | 149,439 | 183,145 | 205,328 | 137,479 | n.a.    | n.a.    | n.a.     |

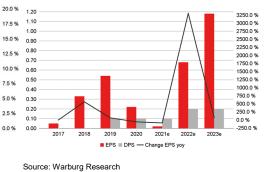




#### **Operating Performance** in %



#### Performance per Share



COMMENT Published 20.12.2021

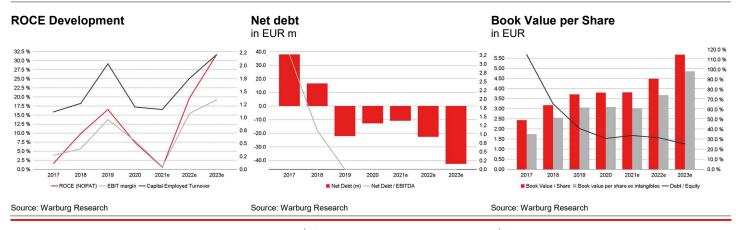
### Consolidated balance sheet



| In EUR m  | 2017  | 2018  | 2019  | 2020  | 2021e | 2022e | 2023e |
|---|-------|-------|-------|-------|-------|-------|-------|
| Assets  |       |       |       |       |       |       |       |
| Goodwill and other intangible assets                    | 15.4  | 15.2  | 15.9  | 17.3  | 19.2  | 19.8  | 20.2  |
| thereof other intangible assets                         | 1.8   | 1.4   | 1.0   | 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                           | 46.5  | 44.3  | 44.7  | 46.0  | 49.8  | 52.2  | 53.0  |
| Financial assets  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Other long-term assets                                  | 0.2   | 0.2   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   |
| Fixed assets  | 62.1  | 59.8  | 60.7  | 63.4  | 68.9  | 72.0  | 73.2  |
| Inventories   | 25.5  | 25.7  | 19.2  | 19.8  | 22.6  | 23.8  | 30.1  |
| Accounts receivable                                     | 19.4  | 30.5  | 11.3  | 13.2  | 11.5  | 16.7  | 21.0  |
| Liquid assets   | 3.3   | 3.7   | 31.3  | 20.1  | 16.7  | 26.7  | 44.9  |
| Other short-term assets                                 | 6.2   | 9.1   | 5.5   | 5.2   | 5.2   | 5.2   | 5.2   |
| Current assets  | 54.4  | 69.0  | 67.3  | 58.3  | 56.0  | 72.4  | 101.2 |
| Total Assets  | 116.6 | 128.8 | 128.0 | 121.7 | 125.0 | 144.4 | 174.3 |
| Liabilities and shareholders' equity                    |       |       |       |       |       |       |       |
| Subscribed capital                                      | 22.3  | 24.5  | 24.5  | 24.5  | 24.5  | 24.5  | 24.5  |
| Capital reserve   | 1.5   | 15.5  | 15.5  | 15.5  | 15.5  | 15.5  | 15.5  |
| Retained earnings                                       | 10.9  | 10.2  | 10.2  | 10.2  | 10.6  | 27.2  | 56.2  |
| Other equity components                                 | 19.5  | 27.5  | 40.7  | 42.8  | 42.8  | 42.6  | 42.8  |
| Shareholders' equity                                    | 54.2  | 77.7  | 90.8  | 92.9  | 93.3  | 109.7 | 139.0 |
| Minority interest                                       | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Total equity  | 54.2  | 77.7  | 90.8  | 92.9  | 93.3  | 109.7 | 139.0 |
| Provisions  | 4.0   | 5.5   | 6.1   | 3.2   | 3.2   | 3.2   | 3.2   |
| thereof provisions for pensions and similar obligations | 0.3   | 0.3   | 0.3   | 0.4   | 0.4   | 0.4   | 0.4   |
| Financial liabilities (total)                           | 41.0  | 20.0  | 8.9   | 6.9   | 5.5   | 3.7   | 1.9   |
| Short-term financial liabilities                        | 21.0  | 2.6   | 2.0   | 0.0   | -0.4  | -1.2  | -2.0  |
| Accounts payable  | 3.2   | 6.9   | 5.6   | 7.6   | 4.4   | 6.3   | 8.8   |
| Other liabilities                                       | 14.1  | 18.6  | 16.5  | 11.0  | 18.5  | 21.4  | 21.4  |
| Liabilities   | 62.3  | 51.1  | 37.2  | 28.7  | 31.7  | 34.7  | 35.4  |
| Total liabilities and shareholders' equity              | 116.6 | 128.8 | 128.0 | 121.7 | 125.0 | 144.4 | 174.3 |

#### **Financial Ratios**

|                                     | 2017    | 2018    | 2019    | 2020    | 2021e   | 2022e   | 2023e   |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Efficiency of Capital Employment    |         |         |         |         |         |         |         |
| Operating Assets Turnover           | 1.3 x   | 1.5 x   | 2.3 x   | 1.4 x   | 1.4 x   | 2.1 x   | 2.7 x   |
| Capital Employed Turnover           | 1.1 x   | 1.3 x   | 2.0 x   | 1.2 x   | 1.2 x   | 1.8 x   | 2.2 x   |
| ROA                                 | 1.9 %   | 13.5 %  | 21.6 %  | 8.4 %   | 0.6 %   | 23.1 %  | 39.7 %  |
| Return on Capital                   |         |         |         |         |         |         |         |
| ROCE (NOPAT)                        | 1.6 %   | 9.9 %   | 16.5 %  | 7.4 %   | 0.6 %   | 19.7 %  | 31.7 %  |
| ROE                                 | 2.1 %   | 12.2 %  | 15.6 %  | 5.8 %   | 0.4 %   | 16.4 %  | 23.3 %  |
| Adj. ROE                            | 2.1 %   | 12.2 %  | 15.6 %  | 5.8 %   | 0.4 %   | 16.4 %  | 23.3 %  |
| Balance sheet quality               |         |         |         |         |         |         |         |
| Net Debt                            | 38.0    | 16.6    | -22.1   | -12.8   | -10.8   | -22.6   | -42.6   |
| Net Financial Debt                  | 37.7    | 16.3    | -22.4   | -13.1   | -11.2   | -23.0   | -42.9   |
| Net Gearing                         | 70.0 %  | 21.4 %  | -24.3 % | -13.7 % | -11.6 % | -20.6 % | -30.6 % |
| Net Fin. Debt / EBITDA              | 323.8 % | 109.7 % | n.a.    | n.a.    | n.a.    | n.a.    | n.a.    |
| Book Value / Share                  | 2.4     | 3.2     | 3.7     | 3.8     | 3.8     | 4.5     | 5.7     |
| Book value per share ex intangibles | 1.7     | 2.6     | 3.1     | 3.1     | 3.0     | 3.7     | 4.8     |



COMMENT

### **Consolidated cash flow statement**

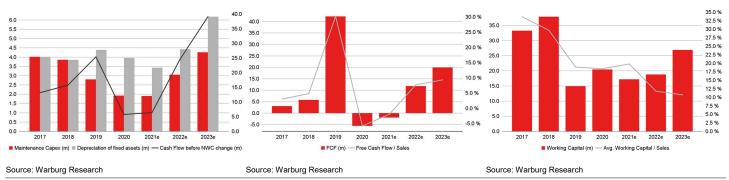


| In EUR m   | 2017  | 2018  | 2019  | 2020  | 2021e | 2022e | 2023e |
|--|-------|-------|-------|-------|-------|-------|-------|
| Net income   | 1.1   | 8.1   | 13.1  | 5.3   | 0.4   | 16.6  | 29.0  |
| Depreciation of fixed assets                           | 4.0   | 3.9   | 4.4   | 4.0   | 3.4   | 4.4   | 6.2   |
| Amortisation of goodwill                               | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Amortisation of intangible assets                      | 3.7   | 4.2   | 3.3   | 3.3   | 2.7   | 3.4   | 3.8   |
| Increase/decrease in long-term provisions              | 0.6   | 1.1   | 0.5   | -2.5  | 0.0   | 0.0   | 0.0   |
| Other non-cash income and expenses                     | 3.8   | -1.4  | 4.1   | -4.3  | -0.1  | 0.1   | 0.1   |
| Cash Flow before NWC change                            | 13.1  | 15.8  | 25.4  | 5.8   | 6.4   | 24.5  | 39.1  |
| Increase / decrease in inventory                       | -0.6  | -0.2  | 6.6   | -2.0  | -2.8  | -1.2  | -6.3  |
| Increase / decrease in accounts receivable             | 0.6   | -11.1 | 19.2  | -1.5  | 1.7   | -5.2  | -4.3  |
| Increase / decrease in accounts payable                | 0.6   | 3.1   | -2.8  | 2.0   | 4.3   | 4.8   | 2.5   |
| Increase / decrease in other working capital positions | -4.1  | 4.0   | -0.3  | -0.4  | 0.0   | 0.6   | 0.6   |
| Increase / decrease in working capital (total)         | -3.5  | -4.3  | 22.6  | -1.8  | 3.3   | -1.0  | -7.5  |
| Net cash provided by operating activities [1]          | 9.6   | 11.5  | 48.0  | 4.0   | 9.7   | 23.5  | 31.6  |
| Investments in intangible assets                       | -3.8  | -4.0  | -4.0  | -4.8  | -4.4  | -4.8  | -4.8  |
| Investments in property, plant and equipment           | -2.7  | -1.8  | -1.8  | -4.8  | -7.2  | -6.9  | -6.9  |
| 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                            | 0.3   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Net cash provided by investing activities [2]          | -6.3  | -5.7  | -5.8  | -9.5  | -11.6 | -11.7 | -11.7 |
| Change in financial liabilities                        | -9.8  | -13.6 | -13.2 | -2.2  | -1.4  | -1.8  | -1.8  |
| Dividends paid   | 0.0   | 0.0   | 0.0   | -2.4  | 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   | 16.2  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Other  | -0.9  | -0.9  | -1.3  | -0.7  | 0.0   | 0.0   | 0.0   |
| Net cash provided by financing activities [3]          | -10.8 | 1.8   | -14.5 | -5.4  | -1.4  | -1.8  | -1.8  |
| Change in liquid funds [1]+[2]+[3]                     | -7.4  | 7.6   | 27.7  | -11.0 | -3.3  | 10.0  | 18.1  |
| Effects of exchange-rate changes on cash               | -0.1  | 0.1   | -0.1  | -0.3  | 0.0   | 0.0   | 0.0   |
| Cash and cash equivalent at end of period              | -4.0  | 11.1  | 31.3  | 20.1  | 16.7  | 26.7  | 44.9  |

#### **Financial Ratios**

|                                      | 2017    | 2018    | 2019    | 2020     | 2021e    | 2022e   | 2023e   |
|--------------------------------------|---------|---------|---------|----------|----------|---------|---------|
| Cash Flow                            |         |         |         |          |          |         |         |
| FCF                                  | 3.1     | 5.8     | 42.2    | -5.6     | -1.9     | 11.8    | 19.9    |
| Free Cash Flow / Sales               | 3.0 %   | 4.8 %   | 30.2 %  | -5.8 %   | -2.0 %   | 7.7 %   | 9.4 %   |
| Free Cash Flow Potential             | 5.8     | 13.1    | 18.5    | 11.0     | 4.7      | 21.4    | 34.8    |
| Free Cash Flow / Net Profit          | 267.7 % | 71.8 %  | 321.9 % | -104.1 % | -486.8 % | 71.0 %  | 68.7 %  |
| Interest Received / Avg. Cash        | 0.1 %   | 0.1 %   | 0.1 %   | 0.2 %    | 0.0 %    | 0.0 %   | 0.0 %   |
| Interest Paid / Avg. Debt            | 2.2 %   | 2.8 %   | 3.6 %   | 3.7 %    | 1.8 %    | 1.6 %   | 1.4 %   |
| Management of Funds                  |         |         |         |          |          |         |         |
| Investment ratio                     | 6.4 %   | 4.8 %   | 4.1 %   | 9.9 %    | 12.2 %   | 7.7 %   | 5.5 %   |
| Maint. Capex / Sales                 | 3.9 %   | 3.2 %   | 2.0 %   | 2.0 %    | 2.0 %    | 2.0 %   | 2.0 %   |
| Capex / Dep                          | 85.3 %  | 71.1 %  | 75.3 %  | 130.4 %  | 190.2 %  | 150.4 % | 116.8 % |
| Avg. Working Capital / Sales         | 33.7 %  | 29.7 %  | 18.9 %  | 18.4 %   | 19.8 %   | 11.8 %  | 10.7 %  |
| Trade Debtors / Trade Creditors      | 601.2 % | 444.1 % | 201.8 % | 173.0 %  | 261.4 %  | 265.1 % | 238.6 % |
| Inventory Turnover                   | 1.3 x   | 1.9 x   | 2.8 x   | 1.6 x    | 1.7 x    | 2.3 x   | 2.6 x   |
| Receivables collection period (days) | 69      | 93      | 30      | 50       | 44       | 40      | 36      |
| Payables payment period (days)       | 35      | 52      | 38      | 87       | 43       | 41      | 41      |
| Cash conversion cycle (Days)         | 219     | 149     | 54      | 133      | 100      | 54      | 64      |

# CAPEX and Cash Flow in EUR m



8

**Working Capital** 

Pub

**Free Cash Flow Generation** 



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| 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 <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

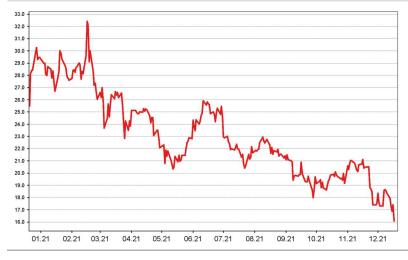
| Rating           | Number of stocks | % of Universe |
|------------------|------------------|---------------|
| Buy              | 157              | 72            |
| Hold             | 52               | 24            |
| Sell             | 5                | 2             |
| Rating suspended | 3                | 1             |
| Total            | 217              | 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               | 84            |
| Hold             | 8                | 13            |
| Sell             | 0                | 0             |
| Rating suspended | 2                | 3             |
| Total            | 61               | 100           |

#### PRICE AND RATING HISTORY LPKF AS OF 20.12.2021



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.

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