(CDAX, Technology, BSL GR)



Hold		Value Indicators:		Warburg ESG Risk Score: ESG Score (MSCI based):	2.7 3.0	Description:	1
EUR 115.00		FCF-Value Potential 23e:		Balance Sheet Score: Market Liquidity Score:	4.0 1.0	B2B digital cameras for app such as factory, medical, tra retail.	
		Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2021e
		Market cap:	1,238.8	Freefloat	39.0 %	Beta:	1.1
Price	EUR 124.60	No. of shares (m):	9.9	Norbert Basler	52.0 %	Price / Book:	9.2 x
Downside	-7.7 %	EV:	1,228.3	Treasury shares	5.0 %	Equity Ratio:	75 %
		Freefloat MC:	483.1	Dr. Ley (CEO)	4.0 %		
		Ø Trad. Vol. (30d):	272.27 th				

Chip shortage drives order intake

Stated Figure	es Q2/2	021:							Comment on Figures:
FY End: 31.12. in EUR m	Q2 21	Q2 21e	Q2 20	yoy	6M 21	6M 21e	6M 20	уоу	 High sales growth rate driven by demand from the semi and electro industry as well as the logistics sector
Sales	60.6	64.5	45.2	34 %	115.2	119.1	88.9	30 %	 Order intake grew even faster and increased by 65% yoy in H1 Despite supply bettlengelse greese marrie improved by 1 2pp to 54.40
EBIT	11.0	13.4	6.7	63 %	21.0	23.5	13.2	60 %	 Despite supply bottlenecks, gross margin improved by 1.3pp to 54.49 Due to the streng gross margin and positive sectors of social sectors.
Margin	18.1 %	20.8 %	14.9 %		18.3 %	19.7 %	14.8 %		 Due to the strong gross margin and positive economies of scale,
EBT	10.8	13.2	6.6	65 %	20.8	23.2	12.8	62 %	EBT margin increased from 14.4% to 18.0% in H1
Margin	17.8 %	20.5 %	14.5 %		18.0 %	19.5 %	14.4 %		
EPS	0.00	0.00	0.00	61 %	0.00	0.00	0.00	64 %	

In Q2, Basler further accelerated the strong growth momentum from Q1 (25.0%) to 34.2%, outperforming the German industrial imaging sector, which, according to VDMA, grew by 17% in the first half of 2021. Order intake increased even faster by 65%, again doubling the sector's figure of 29%. The strong performance resulted from Basler's strong market position in Asia (57% of sales) and, more specifically, in the semi and electronics industry, which is investing in capacity in response to the chip shortage.

However, the chip shortage is not only driving demand, but is also causing a bottleneck for production and explains why sales growth could not keep up with the strong increase in order intake. Usually, demand from the semi and electronics industry is weaker in H2, which could also be the case this year. However, as delivery times for high runners have already increased from 2-3 to 10 weeks, Basler confirmed its FY sales target of EUR 205-225m, which implies a growth rate of 10-35% in H2, despite the significant order backlog and the ongoing high demand.

Despite the bottlenecks, Basler was able to increase the gross margin in H1 from 53.1% to 54.4%. With this and positive economies of scale from the high revenue volume, the EBIT margin increased from 14.4% to 18.0%. This figure is higher than both the mid-term target of approx. 12% and the upper end of the 2021 range of 13.0-15.5%. For the second half of the year, the guidance implies an EBT margin of 9-13%. The anticipated decline is a result of the lower sales volume and higher material costs due to the chip shortage.

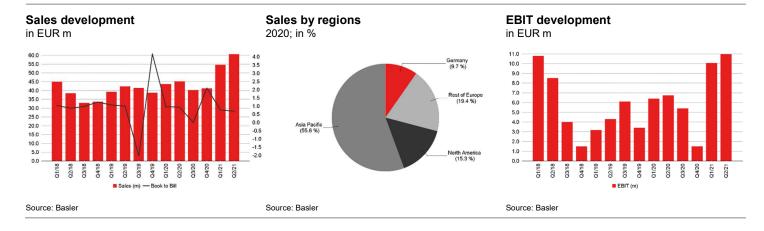
We expect a 4.9% sales decline in H2 compared to H1, but still consider the upper end of the target range to be well within reach, despite the shortages. Regarding profitability, a gross margin decline of approx. 2pp appears reasonable. However, even taking stable or slightly increasing opex into account, we consider an EBT margin of 13% to be conservative. Thus, we maintain our forecast at the upper end of the range.

As demand remains high and production is limited by bottlenecks, Basler should start into 2022 with a solid order backlog. In addition, factory automation and automotive are showign first signs of recovery, which should lead to higher orders in H2, with corresponding revenues shifting at least partly into 2022. Against this background, we remain confident that Basler will be able to increase the top line again next year and reach its 2023 target of EUR 250m a year earlier. We maintain our estimates, our target price and our Hold recommendation for Basler.

		L								
		FY End: 31.12.	CAGR							
120 -	1	in EUR m	(20-23e)	2017	2018	2019	2020	2021e	2022e	2023e
110 -	h in a	Sales	19.7 %	150.2	150.0	162.0	170.5	224.8	257.3	292.4
100 -	MANA	Change Sales yoy		54.0 %	-0.1 %	8.0 %	5.2 %	31.9 %	14.5 %	13.6 %
A -	(8 1)	Gross profit margin		49.6 %	53.3 %	50.9 %	52.0 %	52.9 %	50.6 %	49.8 %
- 00		EBITDA	23.7 %	39.7	36.0	30.0	34.6	54.9	60.2	65.5
- 08	mar	Margin		26.4 %	24.0 %	18.5 %	20.3 %	24.4 %	23.4 %	22.4 %
70 - martin and martin		EBIT	30.9 %	30.5	24.8	17.0	20.1	35.7	40.2	45.0
60 - mm		Margin		20.3 %	16.6 %	10.5 %	11.8 %	15.9 %	15.6 %	15.4 %
50 - WMY		Net income	28.2 %	21.6	17.0	12.9	15.1	25.5	28.4	31.8
09/20 11/20 01/21 03/21 05/21	07/21	EPS	28.2 %	2.25	1.76	1.29	1.51	2.55	2.84	3.18
Basler — CDAX (normalised)		DPS	18.0 %	0.67	0.53	0.26	0.58	0.77	0.85	0.95
Basier — CDAX (normalised)		Dividend Yield		1.6 %	0.9 %	0.6 %	1.1 %	0.6 %	0.7 %	0.8 %
Rel. Performance vs CDAX:		FCFPS		2.46	0.93	-0.97	1.38	1.60	2.11	2.13
1 month:	15.4 %	FCF / Market cap		5.8 %	1.6 %	-2.1 %	2.6 %	1.3 %	1.7 %	1.7 %
		EV / Sales		2.7 x	3.8 x	3.0 x	3.2 x	5.5 x	4.8 x	4.1 x
6 months:	34.7 %	EV / EBITDA		10.2 x	15.7 x	16.1 x	15.6 x	22.5 x	20.3 x	18.5 x
Year to date:	60.6 %	EV / EBIT		13.2 x	22.8 x	28.4 x	26.9 x	34.6 x	30.4 x	26.9 x
Trailing 12 months:	69.0 %	P/E		18.8 x	32.7 x	36.4 x	35.8 x	48.9 x	43.9 x	39.2 x
Ŭ		P / E adj.		18.8 x	32.7 x	36.4 x	37.0 x	48.9 x	43.9 x	39.2 x
Company events:		FCF Potential Yield		7.2 %	4.1 %	2.3 %	4.8 %	3.2 %	3.4 %	3.7 %
04.11.21	Q3	ROE		37.4 %	24.1 %	14.4 %	13.9 %	20.4 %	19.5 %	19.0 %
		ROCE (NOPAT)		38.4 %	23.8 %	12.7 %	12.8 %	21.9 %	22.5 %	23.5 %
		Guidance: 2	2021 sales EL	JR 205-225m	, EBT margir	n 13.0 <mark>-</mark> 15.5%				

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



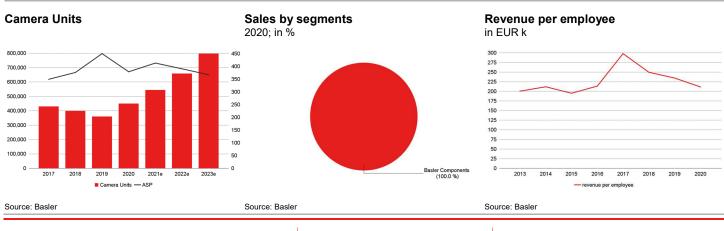


Company Background

- Basler is a provider of digital cameras for production, medical applications, traffic control or retail.
- Basler focuses on the mainstream and entry-level market segments.
- Customers are mainly OEMs. The customer base is well diversified and no single customer accounts for more than 10% of revenue.
 More than 60% of revenues are direct sales.

Competitive Quality

- In terms of units Basler is the world's largest developer and manufacturer of digital cameras in a fragmented, but consolidating, market for digital cameras for B2B-applications.
- High level of vision technology expertise: Basler has one of the largest developer pools in the sector and differentiates itself with camera software competence, which accounts for more than 50% of the value creation.
- State-of-the-art product portfolio: Basler is among the first movers in digital cameras based on GigE Vision and the USB3 Vision standard. It is also an early adopter of new sensor technology.
- High service and consulting quality through direct sales and Basler's network of specialised distributors.
- Basler is present in the most important markets for vision technology in South East Asia, Europe and the US.





DCF model														
	Detaile	d forecas	t period				1	ransition	al period					Term. Value
Figures in EUR m	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	
Sales	224.8	257.3	292.4	330.1	378.6	432.6	492.5	558.5	631.2	710.9	798.0	892.8	998.8	
Sales change	31.9 %	14.5 %	13.6 %	12.9 %	14.7 %	14.3 %	13.8 %	13.4 %	13.0 %	12.6 %	12.2 %	11.9 %	11.9 %	2.0 %
EBIT	35.7	40.2	45.0	50.2	54.9	62.7	71.4	81.0	91.5	103.1	115.7	129.4	144.8	
EBIT-margin	15.9 %	15.6 %	15.4 %	15.2 %	14.5 %	14.5 %	14.5 %	14.5 %	14.5 %	14.5 %	14.5 %	14.5 %	14.5 %	
Tax rate (EBT)	27.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	
NOPAT	26.1	28.9	32.4	36.1	39.5	45.2	51.4	58.3	65.9	74.2	83.3	93.2	104.3	
Depreciation	19.3	20.0	20.5	19.1	22.0	25.1	28.6	32.4	36.6	41.2	46.3	51.8	57.9	
in % of Sales	8.6 %	7.8 %	7.0 %	5.8 %	5.8 %	5.8 %	5.8 %	5.8 %	5.8 %	5.8 %	5.8 %	5.8 %	5.8 %	
Changes in provisions	0.8	0.0	0.0	1.1	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	1.0	
Change in Liquidity from														
- Working Capital	9.9	4.9	6.0	5.9	7.7	8.5	9.9	10.9	12.0	13.1	14.4	15.6	17.5	
- Capex	21.5	23.1	25.8	19.8	22.5	25.4	28.7	32.2	36.0	40.2	44.6	49.4	57.9	
Capex in % of Sales	9.6 %	9.0 %	8.8 %	6.0 %	5.9 %	5.9 %	5.8 %	5.8 %	5.7 %	5.6 %	5.6 %	5.5 %	5.8 %	
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)	14.8	20.9	21.1	30.6	31.7	36.8	42.0	48.2	55.2	62.9	71.4	80.8	87.7	100
PV of FCF	14.2	18.7	17.6	23.9	23.1	24.9	26.6	28.4	30.4	32.3	34.2	36.1	36.6	798
share of PVs		4.41 %						25.89	9%					69.69 %
Model parameter							Valuat	on (m)						
Derivation of WACC:			Derivation	of Beta:			Presen	t values 20	033e	34	.7			
							Termin	al Value		79	8			
Debt ratio	10.00 %		Financial S	Strength		1.10	Financi	al liabilitie	s	4	5			
Cost of debt (after tax)	2.1 %		Liquidity (s	share)		1.30	Pensio	n liabilities			1			
Market return	7.00 %		Cyclicality			1.30	Hybrid	capital			0			
Risk free rate	1.50 %		Transpare	ncy		1.00	Minorit	, interest			0			
			Others			1.00	Market	val. of inv	estments		0			
							Liquidit	у		4	5	No. of sha	ares (m)	9.9
WACC	7.20 %		Beta			1.14	Equity	Value		1,14	3	Value per	share (E	UR) 114.98

Sensitivity Value per Share (EUR)

		Terminal C	Growth								Delta EBI1	-margin					
Beta	WACC	1.25 %	1.50 %	1.75 %	2.00 %	2.25 %	2.50 %	2.75 %	Beta	WACC	-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.34	8.2 %	85.83	87.82	89.97	92.29	94.80	97.54	100.52	1.34	8.2 %	81.54	85.12	88.70	92.29	95.87	99.45	103.04
1.24	7.7 %	94.56	97.02	99.69	102.59	105.75	109.22	113.04	1.24	7.7 %	90.68	94.65	98.62	102.59	106.55	110.52	114.49
1.19	7.5 %	99.50	102.24	105.23	108.48	112.06	115.99	120.34	1.19	7.5 %	95.92	100.11	104.30	108.48	112.67	116.86	121.05
1.14	7.2 %	104.87	107.95	111.30	114.98	119.03	123.51	128.49	1.14	7.2 %	101.69	106.12	110.55	114.98	119.41	123.84	128.27
1.09	7.0 %	110.75	114.20	117.99	122.16	126.78	131.91	137.65	1.09	7.0 %	108.07	112.77	117.47	122.16	126.86	131.55	136.25
1.04	6.7 %	117.20	121.10	125.39	130.14	135.43	141.34	148.00	1.04	6.7 %	115.16	120.16	125.15	130.14	135.14	140.13	145.12
0.94	6.2 %	132.15	137.19	142.80	149.07	156.14	164.16	173.34	0.94	6.2 %	131.99	137.68	143.38	149.07	154.77	160.46	166.16

• Financial liabilities are also related to the lease of the company building.

• The beta takes into consideration the low liquidity of the share.

• The structural growth of the vision technology market forms the basis of Basler's revenue increases.



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	201	17	2018	2019	2020	2021e	2022e	2023e
Net Income before minorities	21	.6	17.0	12.9	15.1	25.5	28.4	31.8
+ Depreciation + Amortisation	9	.2	11.1	12.9	14.5	19.3	20.0	20.5
 Net Interest Income 	-0	.7	-0.3	-0.1	0.4	-0.8	-0.8	-0.8
 Maintenance Capex 		.8	2.9	5.0	0.0	6.7	7.7	8.8
+ Other	0	.3	-2.1	-10.0	-3.3	0.3	0.3	0.3
= Free Cash Flow Potential	29	.0	23.4	10.9	26.0	39.1	41.7	44.7
FCF Potential Yield (on market EV)	7.2	%	4.1 %	2.3 %	4.8 %	3.2 %	3.4 %	3.7 %
WACC	7.20	%	7.20 %	7.20 %	7.20 %	7.20 %	7.20 %	7.20 %
= Enterprise Value (EV)	402	.6	564.9	482.6	539.5	1,235.5	1,222.5	1,210.2
= Fair Enterprise Value	402	.6	325.1	151.6	360.5	542.4	579.5	620.1
- Net Debt (Cash)	-2	.8	-2.8	-2.8	-2.8	-12.4	-25.4	-37.7
 Pension Liabilities 	1	.1	1.1	1.1	1.1	1.9	1.9	1.9
- 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
+ Market value of investments	0	.0	0.0	0.0	0.0	0.0	0.0	0.0
= Fair Market Capitalisation	404	.4	326.9	153.3	362.2	552.9	603.1	655.9
Number of shares, average	9	.6	9.6	9.9	10.0	10.0	10.0	10.0
= Fair value per share (EUR)	42.0	00	33.90	15.42	36.20	55.29	60.31	65.59
premium (-) / discount (+) in %						-55.6 %	-51.6 %	-47.4 %
Sensitivity Fair value per Share (El	JR)							
10	0.20 % 28.3	76	23.26	10.94	25.77	39.57	43.52	47.63
	9.20 % 31.8	37	25.77	12.11	28.55	43.76	47.99	52.41
	3.20 % 35.7	73	28.89	13.56	32.01	48.96	53.55	58.36
	.20 % 40.		32.88	15.42	36.43	55.61	60.66	65.97
	6.20 % 47.2		38.15	17.88	42.28	64.41	70.05	76.02
	5.20 % 56.2		45.45	21.28	50.37	76.58	83.06	89.94
4	1.20 % 69.5	58	56.22	26.30	62.31	94.55	102.26	110.48

Adjustment of the capitalised R&D impact

• The capex requirements for machinery and plant are low.



Valuation							
	2017	2018	2019	2020	2021e	2022e	2023e
Price / Book	6.2 x	7.4 x	4.5 x	4.7 x	9.2 x	8.0 x	7.0 x
Book value per share ex intangibles	4.22	3.57	4.10	5.00	6.66	8.32	10.08
EV / Sales	2.7 x	3.8 x	3.0 x	3.2 x	5.5 x	4.8 x	4.1 x
EV / EBITDA	10.2 x	15.7 x	16.1 x	15.6 x	22.5 x	20.3 x	18.5 x
EV / EBIT	13.2 x	22.8 x	28.4 x	26.9 x	34.6 x	30.4 x	26.9 x
EV / EBIT adj.*	13.2 x	22.8 x	28.4 x	26.9 x	34.6 x	30.4 x	26.9 x
P / FCF	17.2 x	61.9 x	n.a.	39.1 x	82.0 x	62.0 x	61.4 x
P/E	18.8 x	32.7 x	36.4 x	35.8 x	48.9 x	43.9 x	39.2 x
P / E adj.*	18.8 x	32.7 x	36.4 x	37.0 x	48.9 x	43.9 x	39.2 x
Dividend Yield	1.6 %	0.9 %	0.6 %	1.1 %	0.6 %	0.7 %	0.8 %
FCF Potential Yield (on market EV)	7.2 %	4.1 %	2.3 %	4.8 %	3.2 %	3.4 %	3.7 %
*Adjustments made for: -							

Company Specific Items

	2017	2018	2019	2020	2021e	2022e	2023e
revenue per employee	298.02	249.59	234.34	211.23	211.23	211.23	211.23
Camera Units	430,000	399,000	360,000	450,000	544,500	658,845	797,202
Book to Bill	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ASP	349	376	450	379	413	391	367



Consolidated profit and loss

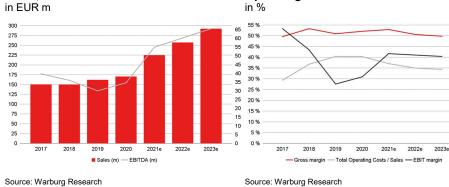
In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Sales	150.2	150.0	162.0	170.5	224.8	257.3	292.4
Change Sales yoy	54.0 %	-0.1 %	8.0 %	5.2 %	31.9 %	14.5 %	13.6 %
COGS	75.7	70.1	79.5	81.7	105.9	127.1	146.8
Gross profit	74.5	79.9	82.4	88.7	118.9	130.2	145.6
Gross margin	49.6 %	53.3 %	50.9 %	52.0 %	52.9 %	50.6 %	49.8 %
Research and development	10.8	18.8	17.9	21.7	30.9	31.4	35.3
Sales and marketing	19.6	23.0	31.5	30.6	34.3	37.9	42.1
Administration expenses	13.1	12.7	15.8	17.4	18.2	19.9	22.1
Other operating expenses	1.2	1.4	1.0	0.2	0.8	1.4	1.6
Other operating income	0.7	0.8	0.8	1.1	1.0	0.6	0.5
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	39.7	36.0	30.0	34.6	54.9	60.2	65.5
Margin	26.4 %	24.0 %	18.5 %	20.3 %	24.4 %	23.4 %	22.4 %
Depreciation of fixed assets	3.6	3.2	5.0	6.3	6.0	6.2	6.2
EBITA	36.1	32.8	25.0	28.3	48.9	54.0	59.3
Amortisation of intangible assets	5.6	7.9	8.0	8.2	13.3	13.8	14.3
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	30.5	24.8	17.0	20.1	35.7	40.2	45.0
Margin	20.3 %	16.6 %	10.5 %	11.8 %	15.9 %	15.6 %	15.4 %
EBIT adj.	30.5	24.8	17.0	20.1	35.7	40.2	45.0
Interest income	0.3	0.2	1.0	1.1	0.2	0.2	0.2
Interest expenses	1.0	0.5	1.1	0.8	1.0	1.0	1.0
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	29.8	24.5	16.9	20.4	34.9	39.4	44.2
Margin	19.8 %	16.3 %	10.4 %	12.0 %	15.5 %	15.3 %	15.1 %
Total taxes	8.2	7.5	4.0	5.3	9.4	11.0	12.4
Net income from continuing operations	21.6	17.0	12.9	15.1	25.5	28.4	31.8
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	21.6	17.0	12.9	15.1	25.5	28.4	31.8
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	21.6	17.0	12.9	15.1	25.5	28.4	31.8
Margin	14.4 %	11.3 %	7.9 %	8.9 %	11.3 %	11.0 %	10.9 %
Number of shares, average	9.6	9.6	9.9	10.0	10.0	10.0	10.0
EPS	2.25	1.76	1.29	1.51	2.55	2.84	3.18
EPS adj.	2.25	1.76	1.29	1.46	2.55	2.84	3.18
*Adjustments made for:							

Guidance: 2021 sales EUR 205-225m, EBT margin 13.0-15.5%

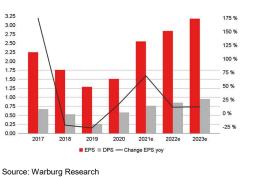
Financial Ratios

	2017	2018	2019	2020	2021e	2022e	2023e
Total Operating Costs / Sales	29.3 %	36.7 %	40.4 %	40.3 %	37.0 %	35.0 %	34.4 %
Operating Leverage	2.8 x	140.8 x	-3.9 x	3.4 x	2.4 x	0.9 x	0.9 x
EBITDA / Interest expenses	40.5 x	78.2 x	28.3 x	45.0 x	57.8 x	60.2 x	65.5 x
Tax rate (EBT)	27.4 %	30.6 %	23.9 %	26.0 %	27.0 %	28.0 %	28.0 %
Dividend Payout Ratio	30.0 %	30.0 %	20.1 %	38.4 %	30.0 %	30.0 %	30.0 %
Sales per Employee	298,018	249,589	189,872	199,835	247,033	268,021	304,583





Performance per Share



Operating Performance

20.0 %

17.5 %

15.0 %

12.5 %

10.0 %

7.5 %

5.0 %

2.5 %

0.0 %

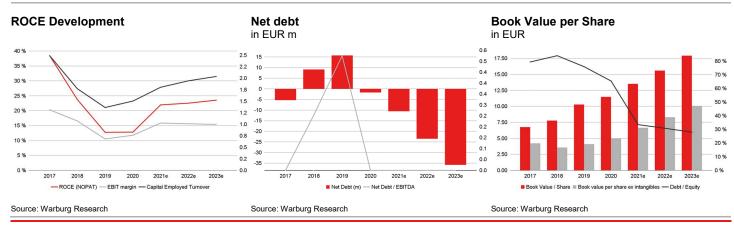
Consolidated balance sheet



Consolidated balance sheet							
In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Assets							
Goodwill and other intangible assets	24.6	40.8	62.0	64.8	68.6	72.8	78.5
thereof other intangible assets	1.5	6.5	16.8	31.0	33.1	35.4	38.1
thereof Goodwill	3.1	12.7	27.5	27.5	27.5	27.5	27.5
Property, plant and equipment	21.3	22.5	30.6	29.3	27.8	26.7	26.4
Financial assets	1.7	1.7	4.6	2.2	2.2	2.2	2.2
Other long-term assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fixed assets	47.5	65.1	97.2	96.3	98.5	101.7	107.0
Inventories	20.8	21.0	20.9	20.0	32.1	36.2	41.2
Accounts receivable	11.1	18.2	19.4	19.5	17.9	21.1	24.0
Liquid assets	36.0	31.8	35.2	47.9	25.6	38.5	50.8
Other short-term assets	2.2	2.8	8.5	6.5	6.5	6.5	6.5
Current assets	70.2	73.9	84.0	93.8	82.0	102.3	122.5
Total Assets	117.7	139.0	181.2	190.1	180.6	204.0	229.5
Liabilities and shareholders' equity							
Subscribed capital	3.2	3.2	10.0	10.0	10.0	10.0	10.0
Capital reserve	3.1	5.3	22.4	22.6	22.6	22.6	22.6
Retained earnings	59.0	66.5	74.8	87.1	112.6	141.0	172.8
Other equity components	0.3	0.5	-4.2	-4.8	-10.0	-17.6	-26.2
Shareholders' equity	65.6	75.5	103.0	114.9	135.2	155.9	179.2
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	65.6	75.5	103.0	114.9	135.2	155.9	179.2
Provisions	7.2	8.3	8.2	9.4	10.8	11.1	11.4
thereof provisions for pensions and similar obligations	1.4	1.2	0.9	1.1	1.9	1.9	1.9
Financial liabilities (total)	29.3	39.8	50.0	45.1	13.1	13.1	13.1
Short-term financial liabilities	0.0	1.8	5.3	4.1	4.1	4.1	4.1
Accounts payable	10.1	7.4	10.6	11.1	11.7	14.1	16.0
Other liabilities	5.5	7.9	9.4	9.7	9.7	9.7	9.7
Liabilities	52.1	63.4	78.2	75.2	45.3	48.0	50.2
Total liabilities and shareholders' equity	117.7	139.0	181.2	190.1	180.6	204.0	229.5

Financial Ratios

	2017	2018	2019	2020	2021e	2022e	2023e
Efficiency of Capital Employment							
Operating Assets Turnover	3.5 x	2.8 x	2.7 x	3.0 x	3.4 x	3.7 x	3.9 x
Capital Employed Turnover	2.5 x	1.8 x	1.4 x	1.5 x	1.8 x	1.9 x	2.0 x
ROA	45.5 %	26.1 %	13.2 %	15.7 %	25.9 %	27.9 %	29.7 %
Return on Capital							
ROCE (NOPAT)	38.4 %	23.8 %	12.7 %	12.8 %	21.9 %	22.5 %	23.5 %
ROE	37.4 %	24.1 %	14.4 %	13.9 %	20.4 %	19.5 %	19.0 %
Adj. ROE	37.4 %	24.1 %	14.4 %	13.4 %	20.4 %	19.5 %	19.0 %
Balance sheet quality							
Net Debt	-5.3	9.1	15.7	-1.7	-10.5	-23.5	-35.8
Net Financial Debt	-6.7	8.0	14.9	-2.8	-12.4	-25.4	-37.7
Net Gearing	-8.1 %	12.1 %	15.3 %	-1.5 %	-7.8 %	-15.1 %	-20.0 %
Net Fin. Debt / EBITDA	n.a.	22.2 %	49.6 %	n.a.	n.a.	n.a.	n.a.
Book Value / Share	6.8	7.8	10.3	11.5	13.5	15.6	17.9
Book value per share ex intangibles	4.2	3.6	4.1	5.0	6.7	8.3	10.1



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Consolidated cash flow statement



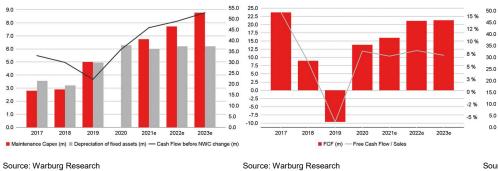
In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Net income	21.6	17.0	12.9	15.1	25.5	28.4	31.8
Depreciation of fixed assets	3.6	3.2	5.0	6.3	6.0	6.2	6.2
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	5.6	7.9	8.0	8.2	13.3	13.8	14.3
Increase/decrease in long-term provisions	0.0	0.0	-0.1	1.1	0.8	0.0	0.0
Other non-cash income and expenses	2.3	1.7	-3.7	5.1	0.3	0.5	0.5
Cash Flow before NWC change	33.1	29.9	22.1	35.9	45.9	48.9	52.8
Increase / decrease in inventory	-5.8	2.2	0.1	0.9	-12.1	-4.1	-5.0
Increase / decrease in accounts receivable	-0.5	-6.4	-1.1	-0.1	1.6	-3.2	-2.9
Increase / decrease in accounts payable	5.3	-4.5	3.2	0.5	0.6	2.4	1.9
Increase / decrease in other working capital positions	-0.3	5.8	0.5	0.1	1.4	0.3	0.3
Increase / decrease in working capital (total)	-1.3	-2.9	2.7	1.5	-8.4	-4.6	-5.7
Net cash provided by operating activities [1]	31.8	27.0	24.7	37.3	37.5	44.3	47.2
Investments in intangible assets	-4.0	-13.6	-29.3	-20.6	-17.0	-18.0	-20.0
Investments in property, plant and equipment	-4.1	-4.5	-5.1	-2.7	-4.5	-5.1	-5.8
Payments for acquisitions	-1.9	-7.7	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	0.2	0.1	0.1	0.2	0.1	0.1	0.1
Net cash provided by investing activities [2]	-9.8	-25.7	-34.2	-23.3	-21.4	-23.0	-25.7
Change in financial liabilities	-1.3	4.8	-1.8	2.3	-32.0	0.0	0.0
Dividends paid	-2.4	-6.5	-5.1	-2.6	-5.8	-7.7	-8.5
Purchase of own shares	-0.7	-3.3	20.8	0.0	0.0	0.0	0.0
Capital measures	0.0	0.0	0.0	-0.2	0.0	0.0	0.0
Other	-1.1	-0.5	-1.0	-0.8	-0.6	-0.6	-0.6
Net cash provided by financing activities [3]	-5.4	-5.5	13.0	-1.3	-38.4	-8.3	-9.1
Change in liquid funds [1]+[2]+[3]	16.6	-4.2	3.5	12.7	-22.3	13.0	12.3
Effects of exchange-rate changes on cash	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cash and cash equivalent at end of period	36.0	31.8	35.3	47.9	25.6	38.5	50.8

Financial Ratios

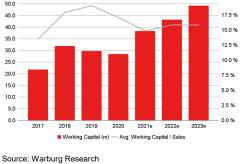
	2017	2018	2019	2020	2021e	2022e	2023e
	2017	2010	2013	2020	20216	20226	20236
Cash Flow							
FCF	23.7	9.0	-9.6	13.8	16.0	21.1	21.3
Free Cash Flow / Sales	15.8 %	6.0 %	-5.9 %	8.1 %	7.1 %	8.2 %	7.3 %
Free Cash Flow Potential	29.0	23.4	10.9	26.0	39.1	41.7	44.7
Free Cash Flow / Net Profit	109.5 %	52.7 %	-74.6 %	91.6 %	62.6 %	74.4 %	66.9 %
Interest Received / Avg. Cash	1.0 %	0.5 %	2.9 %	2.7 %	0.5 %	0.6 %	0.4 %
Interest Paid / Avg. Debt	3.7 %	1.3 %	2.4 %	1.6 %	3.3 %	7.6 %	7.6 %
Management of Funds							
Investment ratio	5.4 %	12.0 %	21.2 %	13.7 %	9.6 %	9.0 %	8.8 %
Maint. Capex / Sales	1.9 %	1.9 %	3.1 %	0.0 %	3.0 %	3.0 %	3.0 %
Capex / Dep	88.3 %	161.8 %	265.4 %	160.6 %	111.7 %	115.7 %	126.1 %
Avg. Working Capital / Sales	13.5 %	17.9 %	19.0 %	17.1 %	14.8 %	15.8 %	15.8 %
Trade Debtors / Trade Creditors	109.5 %	246.9 %	183.1 %	175.9 %	153.0 %	149.6 %	150.0 %
Inventory Turnover	3.6 x	3.3 x	3.8 x	4.1 x	3.3 x	3.5 x	3.6 ×
Receivables collection period (days)	27	44	44	42	29	30	30
Payables payment period (days)	49	39	49	49	40	40	40
Cash conversion cycle (Days)	79	115	91	82	99	93	93

Free Cash Flow Generation

CAPEX and Cash Flow in EUR m



Working Capital



COMMENT

Published 06.08.2021

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"_"	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	153	71
Hold	56	26
Sell	4	2
Rating suspended	2	1
Total	215	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	81
Hold	8	15
Sell	0	0
Rating suspended	2	4
Total	53	100

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EQUITIES

Matthias Rode Head of Equities

RESEARCH

Michael Heider Head of Research Henner Rüschmeier Head of Research Stefan Augustin Cap. Goods, Engineering Jan Bauer Renewables Jonas Blum Telco, Media, Construction **Christian Cohrs** Industrials & Transportation Dr. Christian Ehmann BioTech, Life Science Felix Ellmann Software, IT Jörg Philipp Frey Retail, Consumer Goods Marius Fuhrberg **Financial Services** Mustafa Hidir Automobiles, Car Suppliers Ulrich Huwald Health Care Pharma

INSTITUTIONAL EQUITY SALES

+49 40 309537-280 mheider@warburg-research.com +49 40 309537-270 hrueschmeier@warburg-research.com +49 40 309537-168 saugustin@warburg-research.com +49 40 309537-155 jbauer@warburg-research.com +49 40 309537-240 jblum@warburg-research.com +49 40 309537-175 ccohrs@warburg-research.com +49 40 309537-167 cehmann@warburg-research.com +49 40 309537-120 fellmann@warburg-research.com +49 40 309537-258 jfrey@warburg-research.com +49 40 309537-185 mfuhrberg@warburg-research.com +49 40 309537-230 mhidir@warburg-research.com +49 40 309537-255 uhuwald@warburg-research.com

+49 40 3282-2678

mrode@mmwarburg.com

+49 40 3282-2660 mniemann@mmwarburg.com +49 69 5050-7400 kschilling@mmwarburg.com +49 40 3282-2665 tbeckmann@mmwarburg.com +49 69 5050-7411 lbogdanova@mmwarburg.com +49 69 5050-7415 jbuchmueller@mmwarburg.com +49 40 3282-2669 aeschweiler@mmwarburg.com +49 40 3282-2696 mfritsch@mmwarburg.com

+49 40 3282-2634

+49 40 3282-2702

+49 40 3282-2700

SALES TRADING

Marc Niemann

Klaus Schilling

Tim Beckmann

Lea Bogdanova

Jens Buchmüller

Scandinavia, Austria

United Kingdom, Ireland

Alexander Eschweiler

Germany, Luxembourg

Matthias Fritsch

United Kingdom

United Kingdom

Head of Equity Sales. Germany

Head of Equity Sales, Germany

Oliver Merckel Head of Sales Trading omerckel@mmwarburg.com Elyaz Dust Sales Trading edust@mmwarburg.com Michael Ilgenstein Sales Trading milgenstein@mmwarburg.com

MACRO RESEARCH

Carsten Klude +49 40 3282-2572 cklude@mmwarburg.com Macro Research Our research can be found under: Refinitiv Warburg Research research.mmwarburg.com/en/index.html Bloomberg RESP MMWA GO Capital IQ FactSet www.factset.com

For access please contact:

Andrea Schaper Sales Assistance

+49 40 3282-2632 aschaper@mmwarburg.com

Kerstin Muthig Sales Assistance

Philipp Kaiser Real Estate **Thilo Kleibauer** Retail, Consumer Goods Eggert Kuls Engineering Andreas Pläsier Banks, Financial Services Malte Schaumann Technology **Oliver Schwarz** Chemicals, Agriculture

Simon Stippig Real Estate Cansu Tatar Cap. Goods, Engineering Marc-René Tonn Automobiles, Car Suppliers Robert-Jan van der Horst Technology Andreas Wolf

Software, IT

Maximilian Martin Austria, Poland **Christopher Seedorf** Switzerland

Sophie Hauer Roadshow/Marketing

Juliane Niemann Roadshow/Marketing

Marcel Magiera Sales Trading **Bastian Quast** Sales Trading Jörg Treptow Sales Trading

Dr. Christian Jasperneite

Investment Strategy

www.refinitiv.com

cjasperneite@mmwarburg.com

www.capitaliq.com

+49 40 3282-2703 kmuthig@mmwarburg.com

WARBURG

+49 40 309537-260

+49 40 309537-257

+49 40 309537-256

+49 40 309537-246

+49 40 309537-170

+49 40 309537-250

+49 40 309537-265

+49 40 309537-248

+49 40 309537-259

+49 40 309537-290

+49 40 309537-140

+49 69 5050-7413

+49 40 3282-2695

+49 69 5050-7417

+49 40 3282-2694

+49 40 3282-2662

+49 40 3282-2701

+49 40 3282-2658

+49 40 3282-2439

shauer@mmwarburg.com

jniemann@mmwarburg.com

mmagiera@mmwarburg.com

bquast@mmwarburg.com

jtreptow@mmwarburg.com

mmartin@mmwarburg.com

cseedorf@mmwarburg.com

pkaiser@warburg-research.com

tkleibauer@warburg-research.com

aplaesier@warburg-research.com

oschwarz@warburg-research.com

sstippig@warburg-research.com

ctatar@warburg-research.com

mtonn@warburg-research.com

awolf@warburg-research.com

rvanderhorst@warburg-research.com

mschaumann@warburg-research.com

ekuls@warburg-research.com