(CDAX, Automobile & Parts)



Dung		Value Indicators:	CHF	Share data:		Description:	
Buy		DCF:	89.70	Bloomberg:	PMAG GR	Europe's largest manufactur	or of
		FCF-Value Potential 21e:	77.94	Reuters:	PMAG.VI	sports motorcycles.	
снг 90.00				ISIN:	AT0000KTMI02		
		Market Snapshot:	CHF m	Shareholders:		Risk Profile (WRe):	2019e
Drice		Market cap:	1,125	Freefloat	38.0 %	Beta:	1.4
Price	CHF 49.90	No. of shares (m):	23	Pierer Industrie AG	62.0 %	Price / Book:	3.2 x
Upside	80.4 %	EV:	2,105	Remaining managemen	nt 1.1 %	Equity Ratio:	41 %
		Freefloat MC:	427			Net Fin. Debt / EBITDA:	1.3 x
		Ø Trad. Vol. (30d):	407.30 th			Net Debt / EBITDA:	1.4 x

#### Targets reached; 2020 outlook soft

Stated Figures Q4/20	19:							Comment on Figures:
Pierer Mobility AG								<ul> <li>While wholesale figures were already reported in early January (+7%),</li> </ul>
in EUR m	2019	2019e		2018	уоу	Cons. 2019	Cons. 2020	the company also delivered on its top-line promises and achieved revenues of EUR 1,520.1m, a 4% increase yoy and in line with our
Sales yoy	1,520.1	1,522.8	-0.2%	1,462.2	4.0%	1,521.0 <i>4.0%</i>	1,648.0 8.3%	expectations. Notably, KTMI's strategic partner Bajaj increased unit sales in India by 35% yoy.
EBITDA margin	<b>240.8</b> 15.9%	241.9 15.9%	-0.5%	211.0 <i>14.4%</i>	14.6% 0.0%	4.070	0.070	<ul> <li>EBIT came in at EUR 131.7m, up by 2.3% yoy.</li> <li>Net income beat expectations as PMAG profited from a one-time</li> </ul>
EBIT	131.7	134.0	-1.7%	128.7	2.3%	133.4	139.1	consolidation effect (WRe:~10m) due to the PEXCO eBike business.
margin Net income	8.7% <b>54.5</b>	8.8% 42.4	28.6%	8.8% 67.5	-19.2%	8.8% 44.3	8.4% 48.2	<ul> <li>Company delivered on FCF generation: As highlighted several times, FCF generation has been historically lacking at PMAG owing to high</li> </ul>
margin	3.6%	2.8%		4.6%		2.9%	2.9%	investment in capacity expansion. While capex was still at a high level of
Free Cash Flow KTM definition	92.1	86.1	7.0%	-16.7	-	-	-	EUR 164.5m, the management delivered on its promise to reduce WC. <b>FCF</b> came in at EUR 92.1m, ahead of our estimates.

PMAG updated the guidance for 2020 and reported preliminary FY19 figures on Thursday, 30.01.2020, after closing.

- Strong market position: With 234,449 KTM motorcycles and 45,650 HUSQVARNA motorcycles sold in 2019, the sales volume increased by about 7% compared to the previous year.
- In Europe, the overall market grew by around 8.9% in the fiscal year 2019. In the same period, KTM succeeded in maintaining its high market share of around 12%. In the US market, which declined in 2019 (-2.7%), KTM registrations increased by 3.6% which raised its market share to 9.7%. In the most important future market for KTM, India, its registrations (brand KTM) increased by more than 35% compared to the previous year. The market share rose from around 4.5% to around 7.3%.
- Updated Guidance: PMAG announced a new guidance for 2020. The main reasons are 1.) the PEXCO consolidation (WRe: 100m revenues), 2.) the GASGAS acquisition (WRe: 10k unit sales; ~75m revenues) and 3.) an acceleration of its e-mobility strategy. The company targets revenue growth of 8-10% (previously, 1-5%) in 2020 (consensus, 8.3%). While revenue estimates probably have to increase slightly, the EBIT margin will be diluted. The company is aiming for 6-8% margin while consensus stands at 8.4%. At the midpoint of the guidance, this would translate into revenues of EUR 1,656.9m and EBIT of EUR 116m which implies downward revision potential of ~17% on the EBIT line.

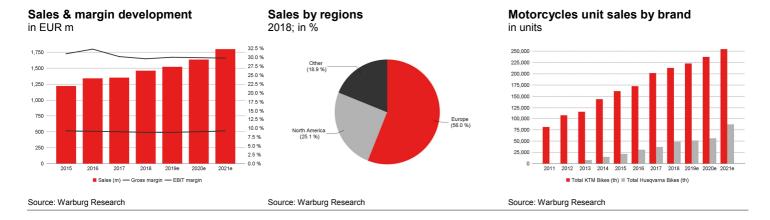
**Conclusion:** PMAG delivered on its 2019 targets although with help of a one-off consolidation effect (PEXCO). Our investment case, which is based on further profitable growth (India) and FCF acceleration, is fully intact. However, 2020e will be a year of transition, marked by integration efforts and further growth investment. We will update our model and review our PT after the CC on Friday.

70 -	man	FY End: 31.12. in EUR m	CAGR (18-21e)	2015	2016	2017	2018	2019e	2020e	2021e
67.5 -	Jun	Sales	7.2 %	1,224	1,343	1,354	1,462	1,523	1,636	1,799
65 A. M. M. M.	Na É	Change Sales yoy		n.a.	9.8 %	0.8 %	8.0 %	4.1 %	7.4 %	10.0 %
62.5 MAN THE	*W	Gross profit margin		31.0 %	32.3 %	30.2 %	29.6 %	30.0 %	29.9 %	29.8 %
60 - William W		EBITDA	10.9 %	178	198	194	211	242	263	288
57.5 - Mun M		Margin		14.6 %	14.8 %	14.3 %	14.4 %	15.9 %	16.1 %	16.0 %
55 -		EBIT	8.7 %	113	122	122	129	134	147	166
52.5 -	hing (1)	Margin		9.2 %	9.1 %	9.0 %	8.8 %	8.8 %	9.0 %	9.2 %
50 -		Net income	-3.0 %	30	52	45	67	42	50	61
03/19 05/19 07/19 09/19	11/19 01/20	EPS	-3.0 %	1.33	2.30	1.98	2.99	1.88	2.20	2.73
- PIERER Mobility AG - CDA		EPS adj.	14.5 %	1.33	2.30	1.77	1.82	1.88	2.20	2.73
- FIERER MODILITY AG - CDAD	(normalised)	DPS	0.0 %	0.03	0.03	0.30	0.30	0.30	0.30	0.30
Rel. Performance vs CD	AX:	Dividend Yield		0.1 %	0.1 %	0.6 %	0.5 %	0.6 %	0.6 %	0.6 %
1 month:	-8.2 %	FCFPS		-1.16	1.05	-0.77	-4.35	4.26	1.31	2.02
		EV / Sales		1.2 x	1.3 x	1.6 x	1.6 x	1.3 x	1.2 x	1.1 x
6 months:	-25.0 %	EV / EBITDA		8.5 x	8.9 x	10.9 x	10.9 x	8.0 x	7.5 x	6.8 x
Year to date:	-8.2 %	EV / EBIT		13.5 x	14.4 x	17.4 x	17.9 x	14.5 x	13.4 x	11.9 x
Frailing 12 months:	-30.3 %	P/E		18.5 x	15.7 x	26.0 x	20.8 x	24.8 x	21.2 x	17.1 x
C		P / E adj.		18.5 x	15.7 x	29.1 x	34.1 x	24.8 x	21.2 x	17.1 x
Company events:		FCF Potential Yield		6.1 %	6.3 %	4.8 %	6.2 %	7.0 %	7.5 %	8.1 %
03.02.20	FY 2019	Net Debt		408	388	399	348	350	342	317
05.02.20	RS FFM	ROE		30.5 %	22.0 %	15.1 %	21.9 %	13.4 %	14.0 %	15.3 %
30.04.20	AGM	ROCE (NOPAT)		20.5 %	12.2 %	10.0 %	10.7 %	10.8 %	11.0 %	11.6 %
)7.05.20	Ex-Divi	Guidance:	Revenue grow	th 3-5%; EB	IT >130m; F0	CF/sales >5%	, D			

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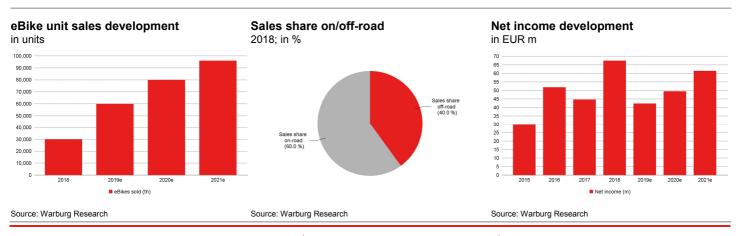


#### **Company Background**

- PMAG, is the biggest European motorcycle manufacturer and a global leader in off-road motorcycles. The company operates under the two brands KTM and Husqvarna Motorcycles which are marketed separately.
- Racing plays an important role in generating new sales and winning new customers in both segments. In motorcycle racing, the driver is the hero and the brand is associated with the face of the winning driver.
- According to PMAG, wins can be translated 1-to-1 into off-road sales, while this effect is less pronounced for street motorcycles.
- Besides motorcycles, PMAG has set ambitious sales targets for its eBike JV (PEXCO) of more than 60K units and roughly EUR 75-85m sales for 2019e already, while only targeting the DACH markets in a first step.

#### **Competitive Quality**

- PMAG is the market leader in Europe and has a strong footprint in USA (market share 12% and 9% respectively). Despite that, offroad is KTM's legacy business where it benefits from a 70% market share in Europe.
- Customers look for quality and brands, which PMAG can offer as its products offer technically differentiated product features. A
  substantial amount of time and capital is needed to achieve the technology level of PMAG.
- Even stricter emission regulation disadvantages smaller players and new entrants and serve as a barrier to entry.
- PMAG is the industry leader in R&D spending, which enables it to defend its existing product offering and quickly understand new trends.
- PMAG created a unique vertical supply chain which ensures production of all critical and performance related components in house.





DCF model														
	Detaile	d forecas	t period				٦	ransitior	al period					Term. Value
Figures in EUR m	2019e	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	
Sales	1,523	1,636	1,799	1,979	2,148	2,303	2,445	2,574	2,689	2,791	2,882	2,961	3,031	
Sales change	4.1 %	7.4 %	10.0 %	10.0 %	8.5 %	7.2 %	6.2 %	5.3 %	4.5 %	3.8 %	3.2 %	2.8 %	2.3 %	2.0 %
EBIT	134	146	163	188	201	211	221	228	234	239	243	245	247	
EBIT-margin	8.8 %	8.9 %	9.1 %	9.5 %	9.3 %	9.2 %	9.0 %	8.9 %	8.7 %	8.6 %	8.4 %	8.3 %	8.1 %	
Tax rate (EBT)	25.0 %	25.0 %	25.0 %	25.0 %	25.5 %	25.9 %	26.4 %	26.9 %	27.4 %	27.9 %	28.4 %	28.9 %	29.5 %	
NOPAT	101	110	122	141	149	157	162	167	170	172	174	174	174	
Depreciation	108	117	125	129	136	142	147	151	153	155	156	156	156	
in % of Sales	7.1 %	7.1 %	6.9 %	6.5 %	6.3 %	6.2 %	6.0 %	5.9 %	5.7 %	5.6 %	5.4 %	5.3 %	5.1 %	
Changes in provisions	0	2	2	3	3	2	2	2	2	2	1	1	1	
Change in Liquidity from														
- Working Capital	-32	27	24	33	21	18	16	13	11	9	7	5	4	
- Capex	160	155	160	158	165	169	172	173	173	172	171	168	165	
Capex in % of Sales	10.5 %	9.5 %	8.9 %	8.0 %	7.7 %	7.3 %	7.0 %	6.7 %	6.4 %	6.2 %	5.9 %	5.7 %	5.4 %	
Other	10	0	0	0	0	0	0	0	0	0	0	0	0	
Free Cash Flow (WACC Model)	70	46	65	81	103	114	124	133	141	148	154	159	163	166
PV of FCF	69	43	57	67	79	82	84	85	85	83	81	79	76	1,729
share of PVs		6.27 %						29.6	3 %					64.05 %
Model parameter							Valuat	ion (m)						
Derivation of WACC:			Derivation	of Beta:			Presen	t values 2	031e	97	70			
								al Value		1,72				
Debt ratio	35.00 %		Financial S	0		1.30		al liabilitie		44				
Cost of debt (after tax)	1.4 %		Liquidity (s	share)		1.50		n liabilities			25			
Market return	7.00 %		Cyclicality			1.50	Hybrid				0			
Risk free rate	1.50 %		Transpare	ncy		1.40		y interest		54				
			Others			1.30		val. of inv	estments		26			
							Liquidit	<u>,</u>				No. of sha	( )	22.5
WACC	6.47 %		Beta			1.40	Equity	Value		1,80	)5	Value per	r share (E	UR) 80.09

#### Sensitivity Value per Share (EUR)

		Terminal (	Growth								Delta EBIT	-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
1.68	7.5 %	50.05	52.11	54.35	56.79	59.47	62.42	65.68	1.68	7.5 %	36.40	43.19	49.99	56.79	63.59	70.39	77.19
1.54	7.0 %	58.71	61.30	64.13	67.25	70.71	74.54	78.84	1.54	7.0 %	44.79	52.28	59.77	67.25	74.74	82.23	89.72
1.47	6.7 %	63.65	66.57	69.78	73.33	77.28	81.69	86.67	1.47	6.7 %	49.66	57.55	65.44	73.33	81.22	89.11	97.00
1.40	6.5 %	69.07	72.37	76.03	80.09	84.63	89.75	95.56	1.40	6.5 %	55.09	63.42	71.76	80.09	88.42	96.76	105.09
1.33	6.2 %	75.05	78.81	82.99	87.66	92.93	98.90	105.73	1.33	6.2 %	61.16	70.00	78.83	87.66	96.50	105.33	114.16
1.26	6.0 %	81.66	85.97	90.78	96.20	102.34	109.38	117.50	1.26	6.0 %	68.02	77.41	86.80	96.20	105.59	114.99	124.38
1.12	5.5 %	97.29	103.03	109.54	116.99	125.60	135.65	147.55	1.12	5.5 %	84.71	95.47	106.23	116.99	127.75	138.51	149.27

• Sales growth slows from 10% to 2% in perpetuity.

• EBIT margin declines during transitional phase from 9% to 8%.

• EBIT used in our DCF differs from EBIT in the P&L as we exclude at-equity earnings...

• ... and separately add at-equity participations at book value. We deduct minority interest at 12x minority earnings.

• "Other" is the estimated purchase price for the distributor in Australia & New Zealand.



#### **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		2015	2016	2017	2018	2019e	2020e	2021e
Net Income before minorities		65	89	84	114	87	98	111
+ Depreciation + Amortisation		66	76	72	82	108	115	122
<ul> <li>Net Interest Income</li> </ul>		-23	-13	-13	-16	-18	-17	-17
<ul> <li>Maintenance Capex</li> </ul>		61	67	68	73	76	82	90
+ Other		0	0	0	4	0	-1	-2
= Free Cash Flow Potential		92	111	101	144	137	148	159
FCF Potential Yield (on market EV)		6.1 %	6.3 %	4.8 %	6.2 %	7.0 %	7.5 %	8.1 %
WACC		6.47 %	6.47 %	6.47 %	6.47 %	6.47 %	6.47 %	6.47 %
= Enterprise Value (EV)		1,525	1,765	2,120	2,308	1,943	1,970	1,969
= Fair Enterprise Value		1,426	1,713	1,559	2,219	2,116	2,280	2,456
- Net Debt (Cash)		323	323	323	323	325	315	288
- Pension Liabilities		25	25	25	25	25	27	29
- Other		0	0	0	0	0	0	0
<ul> <li>Market value of minorities</li> </ul>		561	561	561	561	540	576	600
+ Market value of investments		26	26	26	26	26	27	29
= Fair Market Capitalisation		543	830	676	1,336	1,252	1,390	1,568
Number of shares, average		23	23	23	23	23	23	23
= Fair value per share (EUR)		24.10	36.84	29.98	59.27	55.53	61.65	69.59
premium (-) / discount (+) in %						18.9 %	32.0 %	49.0 %
Sensitivity Fair value per Share (E	EUR)							
	9.47 %	4.06	12.76	8.08	28.08	25.79	29.61	35.06
	8.47 %	9.16	18.89	13.65	36.02	33.36	37.77	43.85
	7.47 %	15.63	26.66	20.73	46.09	42.96	48.11	55.00
WACC	6.47 %	24.10	36.84	29.98	59.27	55.53	61.65	69.59
	5.47 %	35.67	50.73	42.62	77.26	72.69	80.15	89.51
	4.47 %	52.41	70.84	60.92	103.31	97.53	106.91	118.35
	3.47 %	78.80	102.55	89.76	144.37	136.69	149.11	163.80

• We expect maintenance Capex at 5% of sales.

• "Others" include the adjustments from at-equity earnings which we separately add at book value.

Additionally, we deduct minority interest at 12x minority earnings.



Valuation							
	2015	2016	2017	2018	2019e	2020e	2021e
Price / Book	2.8 x	3.0 x	3.7 x	4.7 x	3.2 x	2.8 x	2.4 x
Book value per share ex intangibles	-5.72	-3.89	-3.49	-5.56	-6.06	-6.04	-5.33
EV / Sales	1.2 x	1.3 x	1.6 x	1.6 x	1.3 x	1.2 x	1.1 x
EV / EBITDA	8.5 x	8.9 x	10.9 x	10.9 x	8.0 x	7.5 x	6.8 x
EV / EBIT	13.5 x	14.4 x	17.4 x	17.9 x	14.5 x	13.4 x	11.9 x
EV / EBIT adj.*	13.5 x	14.5 x	17.4 x	17.3 x	14.5 x	13.5 x	12.1 x
P / FCF	n.a.	34.5 x	n.a.	n.a.	11.0 x	35.5 x	23.1 x
P/E	18.5 x	15.7 x	26.0 x	20.8 x	24.8 x	21.2 x	17.1 x
P / E adj.*	18.5 x	15.7 x	29.1 x	34.1 x	24.8 x	21.2 x	17.1 x
Dividend Yield	0.1 %	0.1 %	0.6 %	0.5 %	0.6 %	0.6 %	0.6 %
FCF Potential Yield (on market EV)	6.1 %	6.3 %	4.8 %	6.2 %	7.0 %	7.5 %	8.1 %

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Company Specific Items							
	2015	2016	2017	2018	2019e	2020e	2021e
Total KTM Bikes	161,613	172,636	201,451	212,898	222,721	237,282	254,469
Total Husqvarna Bikes	21,560	30,787	36,883	48,554	51,276	56,218	87,037
Sales share off-road	46.0 %	50.0 %	45.0 %	40.0 %	39.0 %	36.0 %	34.0 %
Sales share on-road	54.0 %	50.0 %	55.0 %	60.0 %	61.0 %	64.0 %	66.0 %
eBikes sold	n.a.	n.a.	n.a.	30,000	60,000	80,000	96,000

# WARBURG RESEARCH

#### Consolidated profit and loss

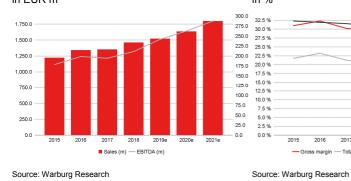
In EUR m	2015	2016	2017	2018	2019e	2020e	2021e
Sales	1,224	1,343	1,354	1,462	1,523	1,636	1,799
Change Sales yoy	n.a.	9.8 %	0.8 %	8.0 %	4.1 %	7.4 %	10.0 %
COGS	844	909	945	1,029	1,066	1,147	1,263
Gross profit	379	434	409	433	457	489	536
Gross margin	31.0 %	32.3 %	30.2 %	29.6 %	30.0 %	29.9 %	29.8 %
Research and development	30	40	34	27	30	36	41
Sales and marketing	149	170	165	172	183	196	216
Administration expenses	69	80	60	71	73	79	86
Other operating expenses	22	28	32	30	44	40	38
Other operating income	4	5	4	0	8	8	9
Unfrequent items	0	0	0	0	0	0	0
EBITDA	178	198	194	211	242	263	288
Margin	14.6 %	14.8 %	14.3 %	14.4 %	15.9 %	16.1 %	16.0 %
Depreciation of fixed assets	37	43	38	43	60	63	66
EBITA	141	156	156	168	182	200	222
Amortisation of intangible assets	28	33	34	39	48	52	56
Goodwill amortisation	0	0	0	0	0	0	0
EBIT	113	122	122	129	134	147	166
Margin	9.2 %	9.1 %	9.0 %	8.8 %	8.8 %	9.0 %	9.2 %
EBIT adj.	113	122	122	134	134	146	163
Interest income	2	3	2	3	3	3	3
Interest expenses	18	20	13	18	19	18	18
Other financial income (loss)	-7	3	-2	-1	-2	-2	-2
EBT	90	109	109	112	116	130	149
Margin	7.4 %	8.1 %	8.1 %	7.7 %	7.7 %	7.9 %	8.3 %
Total taxes	25	20	30	27	29	33	37
Net income from continuing operations	65	89	79	85	87	98	111
Income from discontinued operations (net of tax)	0	0	5	5	0	0	0
Net income before minorities	65	89	84	114	87	98	111
Minority interest	35	37	39	47	45	48	50
Net income	30	52	45	67	42	50	61
Margin	2.5 %	3.9 %	3.3 %	4.6 %	2.8 %	3.0 %	3.4 %
Number of shares, average	23	23	23	23	23	23	23
EPS	1.33	2.30	1.98	2.99	1.88	2.20	2.73
EPS adi.	1.33	2.30	1.77	1.82	1.88	2.20	2.73

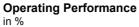
Guidance: Revenue growth 3-5%; EBIT >130m; FCF/sales >5%

### **Financial Ratios**

	2015	2016	2017	2018	2019e	2020e	2021e
Total Operating Costs / Sales	21.8 %	23.2 %	21.2 %	20.5 %	21.2 %	21.0 %	20.7 %
Operating Leverage	n.a.	0.9 x	-0.4 x	0.7 x	1.0 x	1.3 x	1.2 x
EBITDA / Interest expenses	10.0 x	10.2 x	15.3 x	11.4 x	13.1 x	14.4 x	16.1 x
Tax rate (EBT)	27.8 %	18.5 %	27.6 %	24.2 %	25.0 %	25.0 %	25.0 %
Dividend Payout Ratio	1.0 %	0.8 %	8.6 %	7.9 %	7.7 %	6.9 %	6.1 %
Sales per Employee	268,739	264,936	322,856	339,817	339,817	339,817	339,817

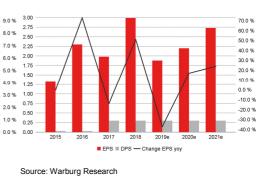
Sales, EBITDA in EUR m





2016 2017

#### Performance per Share



COMMENT

2015

7.5 % 5.0 %

2.5 %

0.0 %

2018 2019e 2020e 2021e

- Gross margin - Total Operating Costs / Sales - EBIT margin



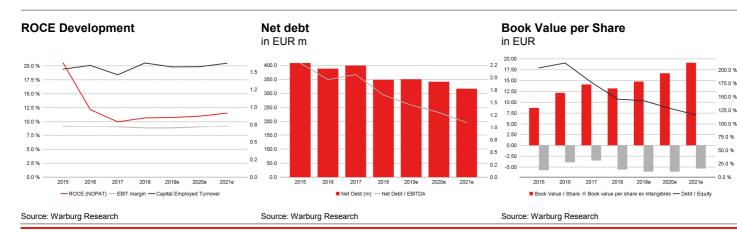
125.0 %

#### **Consolidated balance sheet**

**Financial Ratios** 

In EUR m	2015	2016	2017	2018	2019e	2020e	2021e
	2013	2010	2017	2010	20136	20206	20216
Assets							
Goodwill and other intangible assets	326	362	397	423	470	512	551
thereof other intangible assets	208	244	280	327	373	416	454
thereof Goodwill	118	118	117	96	96	96	96
Property, plant and equipment	274	303	357	283	339	336	335
Financial assets	4	6	15	26	26	27	29
Other long-term assets	26	11	6	9	10	10	12
Fixed assets	630	682	775	742	844	885	926
Inventories	243	252	297	287	272	303	333
Accounts receivable	111	122	120	149	150	161	178
Liquid assets	135	284	169	89	149	152	171
Other short-term assets	57	84	104	87	91	97	107
Current assets	546	741	691	612	662	714	789
Total Assets	1,176	1,424	1,465	1,354	1,506	1,599	1,715
Liabilities and shareholders' equity							
Subscribed capital	225	225	225	23	23	23	23
Capital reserve	10	10	10	10	10	10	10
Retained earnings	0	0	0	0	0	0	0
Other equity components	-39	39	83	265	301	343	398
Shareholders' equity	197	274	318	297	333	376	431
Minority interest	190	181	211	253	287	323	361
Total equity	387	455	529	551	620	699	791
Provisions	33	41	50	43	43	45	47
thereof provisions for pensions and similar obligations	21	24	24	25	25	27	29
Financial liabilities (total)	523	648	544	413	475	467	459
thereof short-term financial liabilities	57	191	171	73	73	73	73
Accounts payable	111	131	178	191	209	224	247
Other liabilities	123	149	164	157	160	165	172
Liabilities	789	969	937	803	886	900	923
Total liabilities and shareholders' equity	1,176	1,424	1,465	1,354	1,506	1,599	1,715

#### 2015 2016 2017 2018 2020e 2019e 2021e **Efficiency of Capital Employment Operating Assets Turnover** 2.4 x 25 x 23x 28 x 2.8 x 2.8 x 3.0 x Capital Employed Turnover 1.5 x 1.6 x 1.5 x 1.6 x 1.6 x 1.6 x 1.6 x ROA 4.8 % 7.6 % 5.8 % 9.1 % 5.0 % 5.6 % 6.6 % **Return on Capital** ROCE (NOPAT) 20.5 % 12.2 % 10.0 % 10.7 % 10.8 % 11.0 % 11.6 % ROE 30.5 % 22.0 % 15.1 % 21.9 % 13.4 % 14.0 % 15.3 % 30.5 % 22.0 % 13.5 % 13.4 % 13.4 % Adj. ROE 14.0 % 15.3 % Balance sheet quality Net Debt 408 388 399 348 350 342 317 387 365 375 323 325 288 Net Financial Debt 315 Net Gearing 105.6 % 85.3 % 75.5 % 63.2 % 56.5 % 48.9 % 40.0 % Net Fin. Debt / EBITDA 217.1 % 183.7 % 193.3 % 153.2 % 134.4 % 119.8 % 100.0 % Book Value / Share 8.7 12.2 14.1 13.2 14.8 16.7 19.1 Book value per share ex intangibles -5.7 -3.9 -35 -56 -6.1 -60 -5.3



Published 31.01.2020

#### **Consolidated cash flow statement**



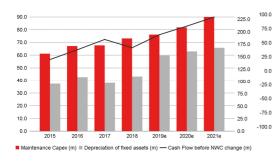
In EUR m	2015	2016	2017	2018	2019e	2020e	2021e
Net income	65	89	84	114	87	98	111
Depreciation of fixed assets	37	43	38	43	60	63	66
Amortisation of goodwill	0	0	0	0	0	0	0
Amortisation of intangible assets	28	33	34	39	48	52	56
Increase/decrease in long-term provisions	0	3	0	1	0	2	2
Other non-cash income and expenses	14	-4	28	-29	-1	-4	-6
Cash Flow before NWC change	145	164	185	168	194	211	230
Increase / decrease in inventory	-21	13	-36	-58	45	-31	-30
Increase / decrease in accounts receivable	-18	-25	-44	-26	-1	-11	-16
Increase / decrease in accounts payable	0	16	56	1	18	16	22
Increase / decrease in other working capital positions	1	0	0	0	0	0	0
Increase / decrease in working capital (total)	-38	4	-23	-83	62	-27	-24
Net cash provided by operating activities [1]	107	168	161	85	256	185	206
Investments in intangible assets	-54	-69	-74	-93	-95	-95	-95
Investments in property, plant and equipment	-79	-75	-105	-90	-65	-60	-65
Payments for acquisitions	0	0	0	0	-10	0	0
Financial investments	0	0	9	16	0	0	0
Income from asset disposals	2	7	27	70	0	0	0
Net cash provided by investing activities [2]	-110	-159	-154	-102	-170	-155	-160
Change in financial liabilities	71	206	-97	-39	-8	-8	-8
Dividends paid	-15	-18	-20	-19	-7	-7	-7
Purchase of own shares	0	0	0	0	0	0	0
Capital measures	0	0	0	0	0	0	0
Other	-5	-49	0	-6	-11	-12	-13
Net cash provided by financing activities [3]	51	139	-118	-63	-26	-27	-27
Change in liquid funds [1]+[2]+[3]	47	148	-111	-80	60	3	19
Effects of exchange-rate changes on cash	-2	0	-4	0	0	0	0
Cash and cash equivalent at end of period	46	283	169	89	149	152	171

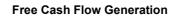
#### **Financial Ratios**

	2015	2016	2017	2018	2019e	2020e	2021e
Cash Flow							
FCF	-26	24	-17	-98	96	30	46
Free Cash Flow / Sales	-2.1 %	1.8 %	-1.3 %	-6.7 %	6.3 %	1.8 %	2.5 %
Free Cash Flow Potential	92	111	101	144	137	148	159
Free Cash Flow / Sales	-2.1 %	1.8 %	-1.3 %	-6.7 %	6.3 %	1.8 %	2.5 %
Free Cash Flow / Net Profit	-87.0 %	45.6 %	-38.7 %	-145.4 %	226.6 %	59.8 %	74.2 %
Interest Received / Avg. Cash	2.3 %	1.3 %	1.0 %	2.7 %	2.5 %	2.0 %	1.9 %
Interest Paid / Avg. Debt	6.8 %	3.3 %	2.1 %	3.9 %	4.2 %	3.9 %	3.9 %
Management of Funds							
Investment ratio	10.9 %	10.7 %	13.2 %	12.6 %	10.5 %	9.5 %	8.9 %
Maint. Capex / Sales	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %
Capex / Dep	202.8 %	189.4 %	248.0 %	223.0 %	148.2 %	134.3 %	130.9 %
Avg. Working Capital / Sales	9.9 %	18.1 %	17.8 %	16.6 %	15.1 %	13.9 %	14.0 %
Trade Debtors / Trade Creditors	99.5 %	93.1 %	67.4 %	78.4 %	72.0 %	72.0 %	72.0 %
Inventory Turnover	3.5 x	3.6 x	3.2 x	3.6 x	3.9 x	3.8 x	3.8 x
Receivables collection period (days)	33	33	32	37	36	36	36
Payables payment period (days)	48	53	69	68	71	71	71
Cash conversion cycle (Days)	90	82	78	71	58	61	61

CAPEX and Cash Flow in EUR m

Source: Warburg Research





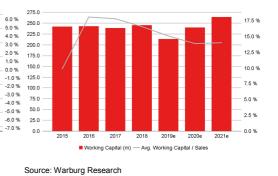
2017

2016

2018 2019e

FCF (m) - Free Cash Flow / Sales

#### **Working Capital**



COMMENT

2015

Source: Warburg Research

Published 31.01.2020

2020e

2021e

8



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-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.	

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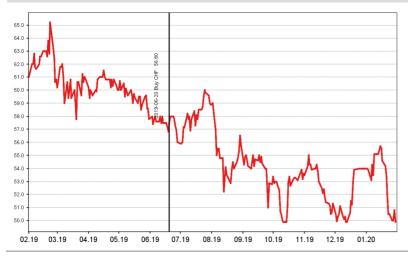
Rating	Number of stocks	% of Universe
Buy	117	58
Hold	73	36
Sell	7	3
Rating suspended	5	2
Total	202	100

#### 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	31	79
Hold	6	15
Sell	0	0
Rating suspended	2	5
Total	39	100

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