(CDAX, Software/IT)



Hold		Value Indicators: EUR		Share data:		Description:		
пош				Bloomberg:	M3V GR	A leading supplier of softw	are for	
EUR 38.00				Reuters: M3V		visual-based medical equipment		
EUR 30.00				ISIN: DE	000A0LBFE4	·		
		Market Snapshot:	EUR m	Shareholders:		Risk Profile (WRe):	2018/19e	
Deiter	EUD 00 40	Market cap:	60.4	Freefloat	17.8 %	Beta:	1.4	
Price	EUR 33.40	No. of shares (m):	1.8	Varex Imaging Deutschland	73.7 %	Price / Book:	2.0 x	
Upside	13.8 %	EV:	52.4	HANSAINVEST	5.5 %	Equity Ratio:	81 %	
		Freefloat MC:	10.8	Oppenheim Asset Manag.	3.0 %			
		Ø Trad. Vol. (30d):	19.36 th					

Strong results

Stated Figu	res Q4/20	17/18:							Comment on Figures:
in EUR m	Q4/18	Q4/18e	Q4/17	уоу	2018	2018e	2017	уоу	 Also in the reported quarter, the trend of the previous quarters we evident: revenues with Hologic are remaining an important part of the previous quarters.
Sales	4,6	4,2	4,3	6,5%	16,8	16,3	18,5	-9,6%	licence revenues for longer than expected with the correspond positive impact on results.
EBITDA	2,5	2,4	2,9	-14,7%	7,6	7,5	9,2	-17,1%	 On EBIT-level, exchange-rate effects are clearly having a posit
margin	53,3%	56,6%	66,5%		45,4%	46,0%	49,5%		impact.
EBIT	2,3	1,6	2,6	-14,3%	6,7	6,0	8,0	-15,9%	impact.
margin	48,7%	37.4%	60.6%		39,9%	36,8%	42.9%		

A very good Q3 was followed by a strong Q4. Background: MeVis revenues and earnings are decreasing, as planned. This, however, has been expected for years and is explained by the advancement of main customer Hologic's own developments (see e.g. Comment dated 16.02.18). Owing to the high-margin licence business with Hologic, the earnings power of MeVis continues to essentially depend on the pace of progress in Hologic's own product developments.

Back in 2014, MeVis announced that it would no longer receive any licence revenues from Hologic in 2015. While this did happen, it was far slower than expected. Some 65% of group revenues (Digital Mammography segment) in the reported period are still attributable to Hologic (in Q3, almost 70%). The timing of further significant revenue declines is still associated with considerable uncertainty.

For the valuation of the share, this positive development however remains of minor importance as the price determination continues to be aligned to the minimum dividend guaranteed by the majority shareholder (EUR 0.95, seen as similar to consols, yield 2.5%, price target EUR 38). The share continues to be rated Hold.

Changes in I	Estimates:					
FY End: 30.9. in EUR m	2018/19e (old)	+ / -	2019/20e (old)	+/-	2020/21e (old)	+/-
Sales	13.0	24.6 %	12.0	16.7 %	n.a.	n.m.
EBITDA	3.6	99.7 %	2.5	81.7 %	n.a.	n.m.
EBIT	2.6	-38.0 %	1.6	127.8 %	n.a.	n.m.
EBT	2.7	-36.6 %	1.7	120.2 %	n.a.	n.m.
Net income	2.7	-36.6 %	1.7	120.2 %	n.a.	n.m.

Comment on Changes:

- In the current business year, a prospective impairment of EUR 4.5m on the enterprise value for the business with Hologic (Digital Mammography) is weighing on the result.
- While further impairments are possible, they are not assumed in the model.
- Our assumption of a far slower cessation of licence revenues with Hologic leads, on the contrary, to a very strong FY 2020/21e (WRe).



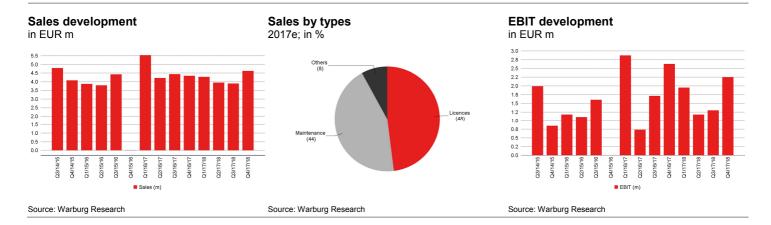
Rel. Performance vs CDAX:	
1 month:	-2.9 %
6 months:	5.0 %
Year to date:	-2.9 %
Trailing 12 months:	1.1 %
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Company events:	
26.02.19	Q1
21.03.19	AGM
23.05.19	Q2
29.08.19	Q3

FY End: 30.9. in EUR m	CAGR (17/18-20/21e)	2014/15	2015/16	2016/17	2017/18	2018/19e	2019/20e	2020/21e
Sales	-8.1 %	16.0	12.1	18.5	16.8	16.2	14.0	13.0
Change Sales yoy		22.3 %	-24.5 %	53.3 %	-9.6 %	-3.3 %	-13.6 %	-7.1 %
Gross profit margin		96.2 %	97.2 %	102.7 %	97.2 %	97.0 %	97.0 %	97.0 %
EBITDA	-22.7 %	6.4	5.2	9.2	7.6	7.1	4.6	3.5
Margin		40.0 %	43.4 %	49.5 %	45.4 %	44.1 %	32.7 %	27.0 %
EBIT	-27.5 %	4.5	3.9	8.0	6.7	1.6	3.6	2.6
Margin		27.9 %	32.5 %	42.9 %	39.9 %	10.0 %	25.7 %	19.6 %
Net income	-28.2 %	6.7	3.4	5.6	7.2	1.7	3.7	2.7
EPS	-28.3 %	3.76	1.86	3.05	3.90	0.94	2.01	1.44
EPS adj.	-28.3 %	3.76	1.86	3.05	3.90	0.94	2.01	1.44
DPS	0.0 %	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Dividend Yield		4.4 %	3.1 %	2.5 %	2.6 %	2.9 %	2.9 %	2.9 %
FCFPS		3.61	1.79	3.84	2.88	3.58	2.17	1.55
FCF / Market cap		16.8 %	5.9 %	10.0 %	7.9 %	10.8 %	6.5 %	4.7 %
EV / Sales		0.8 x	2.7 x	2.3 x	3.8 x	3.3 x	3.6 x	3.8 x
EV / EBITDA		2.1 x	6.3 x	4.7 x	8.4 x	7.4 x	11.1 x	14.2 x
EV / EBIT		3.0 x	8.4 x	5.4 x	9.5 x	32.7 x	14.1 x	19.5 x
P/E		5.7 x	16.3 x	12.7 x	9.3 x	35.3 x	16.5 x	23.1 x
P / E adj.		5.7 x	16.3 x	12.7 x	9.3 x	35.3 x	16.5 x	23.1 x
FCF Potential Yield	I	58.9 %	15.1 %	17.1 %	11.4 %	12.9 %	8.4 %	6.5 %
Net Debt		-25.0	-22.6	-27.8	-3.2	-8.0	-10.2	-11.3
ROCE (NOPAT)		40.9 %	41.4 %	83.4 %	39.3 %	6.3 %	16.3 %	11.6 %
Guidance:	2019e: Sales	EUR 16-16.5	m; EBIT EU	R 1.5-2m				

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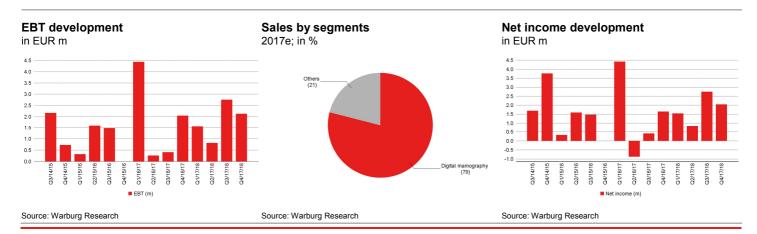


Company Background

- The origin of MeVis Medical Solutions AG, which was set up in 1998, dates back to 1992, when the CeVis (Center for Complex Systems and Visualization) was founded at the University of Bremen.
- The public company was founded with the aim of developing commercially successful disease-oriented products based on successes in scientific research and to market these.
- Since its foundation, MeVis has been active in the area of computer-aided, image-based medical diagnostics and therapy.
- MeVis has successfully risen to become a globally-leading provider of software solutions for medical imaging. This development is mainly based on the success in the area of digital mammography.
- Together with products by Hologic and Siemens, MeVis's solutions dominate this segment today. Furthermore, MeVis has a broad portfolio of new products.

Competitive Quality

- MeVis follows a strategy of early market presence in the new areas of image-based medical technology. In focus here are mass market products.
- The ability to be an early market entrant differentiates MeVis from competitors.
- MeVis maintains long-term and interdisciplinary cooperation agreements with more than 100 hospitals and leading R&D centres in Germany, Europe, the US and Asia.
- MeVis fosters partnerships with the globally leading medical technology OEMs, for instance Siemens and Hologic.





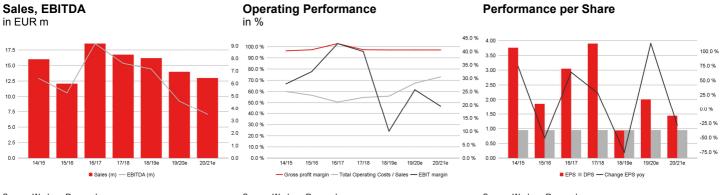
Valuation							
	2014/15	2015/16	2016/17	2017/18	2018/19e	2019/20e	2020/21e
Price / Book	1.1 x	1.7 x	2.2 x	2.1 x	2.0 x	1.9 x	1.8 x
Book value per share ex intangibles	10.92	10.96	11.30	11.38	12.90	14.02	14.51
EV / Sales	0.8 x	2.7 x	2.3 x	3.8 x	3.3 x	3.6 x	3.8 x
EV / EBITDA	2.1 x	6.3 x	4.7 x	8.4 x	7.4 x	11.1 x	14.2 x
EV / EBIT	3.0 x	8.4 x	5.4 x	9.5 x	32.7 x	14.1 x	19.5 x
EV / EBIT adj.*	3.0 x	8.4 x	5.4 x	9.5 x	32.7 x	14.1 x	19.5 x
P/FCF	6.0 x	16.9 x	10.0 x	12.6 x	9.3 x	15.3 x	21.4 x
P/E	5.7 x	16.3 x	12.7 x	9.3 x	35.3 x	16.5 x	23.1 x
P / E adj.*	5.7 x	16.3 x	12.7 x	9.3 x	35.3 x	16.5 x	23.1 x
Dividend Yield	4.4 %	3.1 %	2.5 %	2.6 %	2.9 %	2.9 %	2.9 %
FCF Potential Yield (on market EV)	58.9 %	15.1 %	17.1 %	11.4 %	12.9 %	8.4 %	6.5 %
*Adjustments made for: -							



Consolidated profit & loss							
In EUR m	2014/15	2015/16	2016/17	2017/18	2018/19e	2019/20e	2020/216
Sales	16.0	12.1	18.5	16.8	16.2	14.0	13.0
Change Sales yoy	22.3 %	-24.5 %	53.3 %	-9.6 %	-3.3 %	-13.6 %	-7.1 %
Increase / decrease in inventory	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Own work capitalised	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Sales	16.0	12.1	18.5	16.8	16.2	14.0	13.0
Material expenses	0.6	0.3	-0.5	0.5	0.5	0.4	0.4
Gross profit	15.4	11.8	19.0	16.3	15.7	13.6	12.6
Gross profit margin	96.2 %	97.2 %	102.7 %	97.2 %	97.0 %	97.0 %	97.0 %
Personnel expenses	7.4	5.6	7.9	7.8	7.7	7.6	7.5
Other operating income	1.1	0.6	0.0	1.2	1.1	0.6	0.4
Other operating expenses	2.7	1.6	1.9	2.1	2.0	2.0	2.0
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	6.4	5.2	9.2	7.6	7.1	4.6	3.5
Margin	40.0 %	43.4 %	49.5 %	45.4 %	44.1 %	32.7 %	27.0 %
Depreciation of fixed assets	0.1	0.2	0.1	0.2	0.3	0.3	0.3
EBITA	6.3	5.0	9.1	7.4	6.8	4.3	3.3
Amortisation of intangible assets	1.8	1.1	1.1	0.7	0.7	0.7	0.7
Goodwill amortisation	0.0	0.0	0.0	0.0	4.5	0.0	0.0
EBIT	4.5	3.9	8.0	6.7	1.6	3.6	2.6
Margin	27.9 %	32.5 %	42.9 %	39.9 %	10.0 %	25.7 %	19.6 %
EBIT adj.	4.5	3.9	8.0	6.7	1.6	3.6	2.6
Interest income	0.2	0.1	0.2	0.2	0.1	0.1	0.1
Interest expenses	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Other financial income (loss)	0.3	-0.6	-0.9	0.5	0.0	0.0	0.0
EBT	5.0	3.4	7.2	7.3	1.7	3.7	2.7
Margin	30.9 %	28.3 %	38.6 %	43.3 %	10.6 %	26.4 %	20.4 %
Total taxes	-1.8	0.0	1.5	0.1	0.0	0.0	0.0
Net income from continuing operations	6.7	3.4	5.6	7.2	1.7	3.7	2.7
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	6.7	3.4	5.6	7.2	1.7	3.7	2.7
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	6.7	3.4	5.6	7.2	1.7	3.7	2.7
Margin	42.1 %	28.3 %	30.3 %	42.8 %	10.6 %	26.4 %	20.4 %
Number of shares, average	1.8	1.8	1.8	1.8	1.8	1.8	1.8
EPS	3.76	1.86	3.05	3.90	0.94	2.01	1.44
EPS adj.	3.76	1.86	3.05	3.90	0.94	2.01	1.44
*Adjustments made for:							

Guidance: 2019e: Sales EUR 16-16.5m; EBIT EUR 1.5-2m

Financial Ratios							
	2014/15	2015/16	2016/17	2017/18	2018/19e	2019/20e	2020/21e
Total Operating Costs / Sales	60.0 %	56.6 %	50.5 %	54.6 %	55.9 %	67.3 %	73.0 %
Operating Leverage	0.7 x	0.5 x	1.9 x	1.7 x	22.7 x	-9.0 x	4.1 x
EBITDA / Interest expenses	291.3 x	437.2 x	1146.9 x	143.5 x	n.a.	n.a.	n.a.
Tax rate (EBT)	-36.0 %	0.0 %	21.6 %	1.2 %	0.0 %	0.0 %	0.0 %
Dividend Payout Ratio	25.3 %	51.0 %	31.1 %	24.4 %	101.4 %	47.2 %	66.0 %
Sales per Employee	142,982	107,955	165,536	149,625	144,643	125,000	116,071

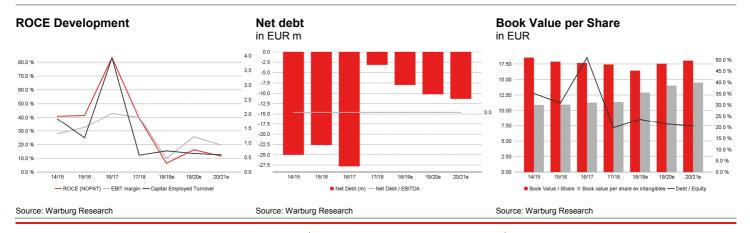


Source: Warburg Research Source: Warburg Research Source: Warburg Research



Consolidated balance sheet							
In EUR m	2014/15	2015/16	2016/17	2017/18	2018/19e	2019/20e	2020/21
Assets							
Goodwill and other intangible assets	13.9	12.7	11.7	11.1	6.5	6.5	6.
thereof other intangible assets	3.2	2.1	1.0	0.4	0.4	0.4	0.4
thereof Goodwill	10.6	10.6	10.6	10.6	6.1	6.1	6.
Property, plant and equipment	0.3	0.3	0.3	0.2	0.2	0.2	0.2
Financial assets	1.7	1.6	2.0	18.3	18.3	18.3	18.3
Other long-term assets	0.9	1.5	1.6	1.6	0.0	0.0	0.0
Fixed assets	16.8	16.1	15.7	31.3	25.0	25.0	25.0
Inventories	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Accounts receivable	2.8	3.7	5.0	3.3	3.6	3.1	2.8
Liquid assets	25.6	22.9	28.1	3.5	8.3	10.6	11.7
Other short-term assets	0.2	0.3	0.3	0.4	0.4	0.4	0.4
Current assets	28.7	26.9	33.4	7.2	12.4	14.2	15.0
Total Assets	45.5	43.0	49.1	38.4	37.4	39.2	40.0
Liabilities and shareholders' equity							
Subscribed capital	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Capital reserve	8.2	8.2	7.5	7.5	7.5	7.5	7.5
Retained earnings	0.4	0.3	0.2	0.1	1.9	5.6	8.2
Other equity components	23.3	22.5	23.0	22.6	19.1	17.4	15.7
Shareholders' equity	33.7	32.9	32.5	32.1	30.2	32.3	33.2
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	33.7	32.9	32.5	32.1	30.2	32.3	33.2
Provisions	0.6	0.3	0.3	0.5	0.5	0.5	0.5
thereof provisions for pensions and similar obligations	0.6	0.3	0.3	0.3	0.3	0.3	0.3
Financial liabilities (total)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
thereof short-term financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accounts payable	0.6	0.6	0.6	0.6	1.4	1.2	1.1
Other liabilities	10.6	9.3	15.6	5.2	5.2	5.2	5.2
Liabilities	11.8	10.1	16.6	6.3	7.1	6.9	6.8
Total liabilities and shareholders' equity	45.5	43.0	49.1	38.4	37.4	39.2	40.0

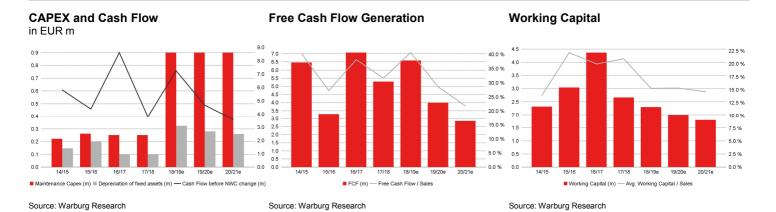
Financial Ratios							
	2014/15	2015/16	2016/17	2017/18	2018/19e	2019/20e	2020/21e
Efficiency of Capital Employment							
Operating Assets Turnover	6.1 x	3.6 x	4.0 x	5.8 x	6.4 x	6.3 x	6.5 x
Capital Employed Turnover	1.8 x	1.2 x	3.9 x	0.6 x	0.7 x	0.6 x	0.6 x
ROA	40.0 %	21.3 %	35.9 %	22.9 %	6.9 %	14.8 %	10.6 %
Return on Capital							
ROCE (NOPAT)	40.9 %	41.4 %	83.4 %	39.3 %	6.3 %	16.3 %	11.6 %
ROE	21.0 %	10.3 %	17.2 %	22.2 %	5.5 %	11.8 %	8.1 %
Adj. ROE	21.0 %	10.3 %	17.2 %	22.2 %	5.5 %	11.8 %	8.1 %
Balance sheet quality							
Net Debt	-25.0	-22.6	-27.8	-3.2	-8.0	-10.2	-11.3
Net Financial Debt	-25.6	-22.9	-28.1	-3.5	-8.3	-10.6	-11.7
Net Gearing	-74.1 %	-68.8 %	-85.5 %	-9.8 %	-26.4 %	-31.7 %	-34.2 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	18.5	17.9	17.7	17.4	16.4	17.5	18.0
Book value per share ex intangibles	10.9	11.0	11.3	11.4	12.9	14.0	14.5





Consolidated cash flow statement							
In EUR m	2014/15	2015/16	2016/17	2017/18	2018/19e	2019/20e	2020/21e
Net income	6.7	3.4	5.6	7.2	1.7	3.7	2.7
Depreciation of fixed assets	0.1	0.2	0.1	0.1	0.3	0.3	0.3
Amortisation of goodwill	0.0	0.0	0.0	0.0	4.5	0.0	0.0
Amortisation of intangible assets	1.8	1.1	1.1	0.7	0.7	0.7	0.7
Increase/decrease in long-term provisions	0.6	-0.4	0.0	0.0	0.0	0.0	0.0
Other non-cash income and expenses	-3.5	0.0	1.7	-4.2	0.0	0.0	0.0
Cash Flow before NWC change	5.8	4.4	8.6	3.8	7.2	4.7	3.6
Increase / decrease in inventory	0.0	0.1	0.0	0.0	-0.1	0.0	0.0
Increase / decrease in accounts receivable	-0.5	-0.9	-1.3	1.7	-0.3	0.5	0.3
Increase / decrease in accounts payable	1.2	0.1	0.0	0.0	0.8	-0.2	-0.1
Increase / decrease in other working capital positions	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
Increase / decrease in working capital (total)	0.8	-0.9	-1.3	1.7	0.4	0.3	0.2
Net cash provided by operating activities [1]	6.6	3.5	7.3	5.5	7.6	5.0	3.8
Investments in intangible assets	0.0	-0.1	-0.1	-0.1	-0.7	-0.7	-0.7
Investments in property, plant and equipment	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.3
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	8.0	0.0	0.0	-22.2	0.0	0.0	0.0
Net cash provided by investing activities [2]	7.9	-0.2	-0.2	-22.4	-1.0	-1.0	-1.0
Change in financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dividends paid	-0.1	0.0	0.0	0.0	-1.7	-1.7	-1.7
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	1.7	-4.6	0.0	-9.4	0.0	0.0	0.0
Net cash provided by financing activities [3]	1.6	-4.6	0.0	-9.4	-1.7	-1.7	-1.7
Change in liquid funds [1]+[2]+[3]	16.1	-1.4	7.1	-26.3	4.8	2.3	1.1
Effects of exchange-rate changes on cash	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Cash and cash equivalent at end of period	25.6	24.3	31.4	3.5	8.3	10.6	11.7

Financial Ratios							
	2014/15	2015/16	2016/17	2017/18	2018/19e	2019/20e	2020/21e
Cash Flow							
FCF	6.5	3.3	7.1	5.3	6.6	4.0	2.9
Free Cash Flow / Sales	40.4 %	27.2 %	38.1 %	31.6 %	40.7 %	28.6 %	21.9 %
Free Cash Flow Potential	8.0	5.0	7.4	7.3	6.8	4.3	3.2
Free Cash Flow / Net Profit	96.0 %	96.0 %	125.9 %	73.8 %	382.2 %	108.1 %	107.5 %
Interest Received / Avg. Cash	0.9 %	0.2 %	0.6 %	1.0 %	1.7 %	1.1 %	0.9 %
Interest Paid / Avg. Debt	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Management of Funds							
Investment ratio	0.7 %	1.5 %	1.2 %	1.3 %	6.3 %	7.0 %	7.4 %
Maint. Capex / Sales	1.4 %	2.2 %	1.4 %	1.5 %	5.6 %	6.4 %	6.9 %
Capex / Dep	6.0 %	13.6 %	18.2 %	24.3 %	18.5 %	100.0 %	100.0 %
Avg. Working Capital / Sales	14.0 %	22.2 %	20.0 %	21.0 %	15.3 %	15.4 %	14.6 %
Trade Debtors / Trade Creditors	501.3 %	596.6 %	803.2 %	529.1 %	257.1 %	258.3 %	254.5 %
Inventory Turnover	6.1 x	n.a.	n.a.	n.a.	4.9 x	4.2 x	3.9 x
Receivables collection period (days)	63	110	98	72	81	81	79
Payables payment period (days)	330	664	-448	478	1,051	1,043	1,029
Cash conversion cycle (Days)	-207	n.a.	n.a.	n.a.	-895	-875	-857





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Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
MeVis Medical Solutions	3, 5, 6	http://www.mmwarburg.com/disclaimer_disclaimer_en/DE000A0LBFE4.htm



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	WARBURG RESEARCH GMBH	- ANALYSED RESEARCH UNIVERSE BY RATING
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Rating	Number of stocks	% of Universe
Buy	132	65
Hold	61	30
Sell	5	2
Rating suspended	6	3
Total	204	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	74
Hold	9	21
Sell	0	0
Rating suspended	2	5
Total	42	100

PRICE AND RATING HISTORY MEVIS MEDICAL SOLUTIONS AS OF 31.01.2019



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