# **MS Industrie AG Germany - Automobile**



Buy (old: Buy)

Price target: EUR 6.00 (old: EUR 7.00)

Price: **EUR 2.75 Next result:** Q4 30.12.99n/a MSAG@GR Market cap: EUR 83.4 m

**Bloomberg:** Reuters: MSAG.DE **Enterprise Value:** EUR 140.0 m

## Ultimately ready to push Ultrasonic sales / chg. in est & PT

MS Industrie reported Q3 results (see next page) slightly short of our earnings expectations. As anticipated, the company continued to build-up its Ultrasonic sales network which should have inflated personnel expenses and thus led to a temporary weak fixed cost coverage. This is seen to be further softened by higher pre-production costs with regard to the series production of new Powertrain products scheduled to start in Q4.

The 9M order backlog increased dynamically by +19% yoy to € 151m carried by both the PowertrainTechnology business (+20% yoy) and the Ultrasonic segment (+16% yoy). This should bode well for sound revenue growth in 2019E.

Ultrasonic Automotive (18% of group sales). That said, in Q3 MS Industrie received the largest single Ultrasonic automotive order in its history. Here, the company should continue to benefit from an increasing car model variety, which makes the business very resilient as it is largely independent of the underlying passenger car sales.

Ultrasonic packaging (2% of group sales). What's more, we also expect the Ultrasonic packaging business to ramp-up dynamically supported by the expansion of the new series standard machine. The latter should contribute about € 3m in sales in FY18E while being loss making amid a fixed cost overrun. Importantly, the company now looks set to have the appropriate capacity in place to push sales to at least € 15m p.a. This should allow for a more pronounced earnings expansion from 2019E onwards thanks to a positive product mix (eH&A EBITDA margin seen at c. 20%).

Action: We increase our 2018E sales estimates mainly due to FX tailwind (€ 5m after 9M 2018). At the same time, we lower our earnings estimates due to higher than expected ramp-up costs in the Ultrasonic business and higher D&A. Moreover, we also increase our working capital estimates mainly related to the expansion of the Ultrasonic business.

Newsflow should remain positive. We expect MS to win new milestone orders from further truck OEMs (Powertrain 80% of sales, thereof c. 50% with Daimler). These orders would not require substantial expansion capex and thus fuel earnings quickly. Furthermore, the ramp-up of sales force in Ultrasonic should allow management to continue to push its expansion targeting c. € 100m Utrasonic sales in the mid-term. The stock remains a buy with a new PT of € 6 (old € 7) based on FCFY'20E.

Y/E 31.12 (EUR m)	2014	2015	2016	2017	2018E	2019E	2020E
Sales	218.5	274.4	237.5	250.6	277.6	285.5	297.0
Sales growth	22 %	26 %	-13 %	6 %	11 %	3 %	4 %
EBITDA	21.2	21.0	18.8	22.0	23.0	26.8	29.7
EBIT	9.9	9.1	6.4	9.0	9.2	12.8	15.7
Net income	4.1	3.5	4.5	7.0	5.4	8.0	10.1
Net debt	66.4	49.6	60.5	52.9	54.8	56.5	54.4
Net gearing	158.7 %	105.0 %	116.6 %	93.1 %	89.5 %	83.5 %	72.1 %
Net Debt/EBITDA	3.1	2.4	3.2	2.4	2.4	2.1	1.8
EPS pro forma	0.14	0.12	0.15	0.23	0.18	0.27	0.34
CPS	-0.04	0.46	-0.05	-0.11	-0.06	0.01	0.17
DPS	0.00	0.00	0.00	0.03	0.05	0.08	0.12
Dividend yield	0.0 %	0.0 %	0.0 %	1.1 %	1.9 %	2.9 %	4.3 %
Gross profit margin	42.1 %	39.1 %	46.1 %	46.8 %	47.8 %	48.6 %	48.5 %
EBITDA margin	9.7 %	7.7 %	7.9 %	8.8 %	8.3 %	9.4 %	10.0 %
EBIT margin	4.5 %	3.3 %	2.7 %	3.6 %	3.3 %	4.5 %	5.3 %
ROCE	7.9 %	7.9 %	5.3 %	7.1 %	7.1 %	9.5 %	11.3 %
EV/sales	0.7	0.5	0.6	0.6	0.5	0.5	0.5
EV/EBITDA	7.1	6.4	7.8	6.3	6.1	5.3	4.7
EV/EBIT	15.1	14.8	22.9	15.4	15.1	11.1	8.9
PER	20.2	24.1	18.4	11.9	15.6	10.4	8.2
Adjusted FCF yield	8.9 %	8.2 %	7.7 %	9.5 %	9.5 %	11.6 %	13.6 %

Source: Company data, Hauck & Aufhäuser Close price as of: 21.11.2018

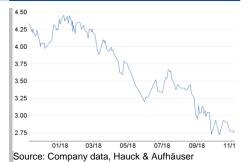
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## **Christian Glowa**

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High/low 52 weeks: 4.45 / 2.72

Price/Book Ratio: 13 Relative performance (SDAX):

3 months 6 months 12 months

## Changes in estimates

		Sales	EBIT	EPS
2018	old:	270.6	12.7	0.26
2010	Δ	2.6%	-27.2%	-32.2%
2019	old:	285.5	15.4	0.33
2013	Δ	-	-16.9%	-19.4%
2020	old:	297.0	17.7	0.39
2020	Δ	-	-11.3%	-12.8%

### Kev share data:

Number of shares: (in m pcs) 30.0 Authorised capital: (in € m) 9.7 Book value per share: (in €) 2.0 Ø trading volume: (12 months) 52,941

## Major shareholders:

Free Float	57.0 %
MS ProActive	20.0 %
Andreas Aufschnaiter	6.2 %
Universal-Investment	5.0 %
GmbH	
AGI	5.0 %
Kreissparkasse	3.0 %
Biberach	

## Company description:

Supplier of Diesel motor parts and systems for truck OEMs, of electric motors and of welding machines for the automotive and packaging industries.

MS Industrie reported key figures (EUR m)	Q3 2018	Q3 2017	yoy
Total sales	69.1	65.6	5.4%
EBITDA	4.9	6.8	-27.9%
EBITDA-margir	7.1%	10.4%	-3.3 pp
EBIT	1.9	3.6	-46.7%
EBIT-margir	2.7%	5.4%	-2.7 pp
EPS	0.04	0.07	-42.9%

	trie reported es (EUR m)	9M 2018	9M 2017	yoy
Total sale	es	209.4 16.8	189.5 17.3	10.5% -2.9%
EBIT	EBITDA-margin	8.0% <b>7.7</b>	9.1% <b>7.5</b>	-1.1 pp 2.7%
CDII	EBIT-margin	3.7%	4.0%	-0.3 pp
EPS		0.16	0.15	6.7%

# **Financials**

Profit and loss (EUR m)	2014	2015	2016	2017	2018E	2019E	2020E
Net sales	218.5	274.4	237.5	250.6	277.6	285.5	297.0
Sales growth	21.5 %	25.6 %	-13.5 %	5.5 %	10.8 %	2.9 %	4.0 %
Increase/decrease in finished goods and work-in-process	1.8	2.6	0.4	2.6	2.5	2.5	2.5
Total sales	220.2	277.1	237.9	253.2	280.1	288.0	299.5
Other operating income	4.5	4.7	5.5	5.6	4.0	4.0	4.0
Material expenses	127.4	168.8	128.3	134.8	146.1	148.2	154.1
Personnel expenses	47.7	56.2	60.5	63.6	73.3	74.2	75.1
Other operating expenses	28.4	35.7	35.9	38.3	41.6	42.8	44.6
Total operating expenses	199.0	256.0	219.1	231.2	257.0	261.2	269.8
EBITDA	21.2	21.0	18.8	22.0	23.0	26.8	29.7
Depreciation	9.3	9.9	11.7	12.9	13.6	13.8	13.8
EBITA	11.9	11.1	7.1	9.2	9.4	13.0	15.9
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	2.0	2.0	0.7	0.2	0.2	0.2	0.2
Impairment charges	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT (inc revaluation net)	9.9	9.1	6.4	9.0	9.2	12.8	15.7
Interest income	0.3	1.0	1.2	1.6	0.0	0.0	0.0
Interest expenses	4.6	3.8	2.9	2.1	2.0	2.0	2.0
Other financial result	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial result	-4.3	-2.8	-1.7	-0.5	-2.0	-2.0	-2.0
Recurring pretax income from continuing operations	5.6	6.3	4.6	8.5	7.2	10.8	13.7
Extraordinary income/loss	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Earnings before taxes	5.6	6.3	4.6	8.5	7.2	10.8	13.7
Taxes	1.4	2.9	0.2	1.5	1.9	2.8	3.6
Net income from continuing operations	4.1	3.4	4.5	7.0	5.4	8.0	10.1
Result from discontinued operations (net of tax)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	4.1	3.4	4.5	7.0	5.4	8.0	10.1
Minority interest	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
Net profit (reported)	4.1	3.5	4.5	7.0	5.4	8.0	10.1
Average number of shares	30.0	30.0	30.0	30.0	30.0	30.0	30.0
EPS reported	0.14	0.12	0.15	0.23	0.18	0.27	0.34

Profit and loss (common size)	2014	2015	2016	2017	2018E	2019E	2020E
Net sales	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
Increase/decrease in finished goods and work-in-process	0.8 %	1.0 %	0.2 %	1.0 %	0.9 %	0.9 %	0.8 %
Total sales	100.8 %	101.0 %	100.2 %	101.0 %	100.9 %	100.9 %	100.8 %
Other operating income	2.1 %	1.7 %	2.3 %	2.2 %	1.4 %	1.4 %	1.3 %
Material expenses	58.3 %	61.5 %	54.0 %	53.8 %	52.7 %	51.9 %	51.9 %
Personnel expenses	21.8 %	20.5 %	25.5 %	25.4 %	26.4 %	26.0 %	25.3 %
Other operating expenses	13.0 %	13.0 %	15.1 %	15.3 %	15.0 %	15.0 %	15.0 %
Total operating expenses	91.1 %	93.3 %	92.3 %	92.2 %	92.6 %	91.5 %	90.9 %
EBITDA	9.7 %	7.7 %	7.9 %	8.8 %	8.3 %	9.4 %	10.0 %
Depreciation	4.3 %	3.6 %	4.9 %	5.1 %	4.9 %	4.8 %	4.6 %
EBITA	5.5 %	4.0 %	3.0 %	3.7 %	3.4 %	4.6 %	5.3 %
Amortisation of goodwill	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Amortisation of intangible assets	0.9 %	0.7 %	0.3 %	0.1 %	0.1 %	0.1 %	0.1 %
Impairment charges	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
EBIT (inc revaluation net)	4.5 %	3.3 %	2.7 %	3.6 %	3.3 %	4.5 %	5.3 %
Interest income	0.1 %	0.4 %	0.5 %	0.6 %	0.0 %	0.0 %	0.0 %
Interest expenses	2.1 %	1.4 %	1.2 %	0.8 %	0.7 %	0.7 %	0.7 %
Other financial result	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Financial result	neg.						
Recurring pretax income from continuing operations	2.6 %	2.3 %	2.0 %	3.4 %	2.6 %	3.8 %	4.6 %
Extraordinary income/loss	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Earnings before taxes	2.6 %	2.3 %	2.0 %	3.4 %	2.6 %	3.8 %	4.6 %
Tax rate	25.8 %	45.3 %	4.0 %	18.2 %	26.0 %	26.0 %	26.0 %
Net income from continuing operations	1.9 %	1.3 %	1.9 %	2.8 %	1.9 %	2.8 %	3.4 %
Income from discontinued operations (net of tax)	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Net income	1.9 %	1.3 %	1.9 %	2.8 %	1.9 %	2.8 %	3.4 %
Minority interest	0.0 %	neg.	neg.	neg.	0.0 %	0.0 %	0.0 %
Net profit (reported)	1.9 %	1.3 %	1.9 %	2.8 %	1.9 %	2.8 %	3.4 %

Balance sheet (EUR m)	2014	2015	2016	2017	2018E	2019E	2020E
Intangible assets	4.6	4.2	4.3	3.5	3.3	3.1	2.9
Property, plant and equipment	48.4	58.4	63.1	51.2	46.6	42.7	39.3
Financial assets	16.1	14.4	15.6	17.4	17.4	17.4	17.4
FIXED ASSETS	69.1	77.0	83.1	72.1	67.3	63.3	59.7
Inventories	31.8	39.8	37.7	41.8	48.7	57.1	60.6
Accounts receivable	27.0	25.5	25.1	27.5	33.5	37.5	43.9
Other current assets	6.1	4.2	3.0	2.8	2.8	2.8	2.8
Liquid assets	3.5	2.4	4.1	8.4	6.4	4.8	6.9
Deferred taxes	0.9	0.8	0.8	0.1	0.1	0.1	0.1
Deferred charges and prepaid expenses	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CURRENT ASSETS	69.2	72.6	70.7	80.6	91.5	102.3	114.3
TOTAL ASSETS	138.3	149.6	153.8	152.7	158.8	165.6	174.0
SHAREHOLDERS EQUITY	41.8	47.2	51.9	56.8	61.3	67.6	75.3
MINORITY INTEREST	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
Long-term debt	59.2	42.8	44.9	34.3	34.3	34.3	34.3
Provisions for pensions and similar obligations	0.0	1.6	1.8	1.7	1.7	1.7	1.7
Other provisions	5.8	11.4	7.6	7.4	7.4	7.4	7.4
Non-current liabilities	64.9	55.7	54.3	43.5	43.5	43.5	43.5
short-term liabilities to banks	10.7	9.2	19.7	27.0	27.0	27.0	27.0
Accounts payable	11.3	19.1	12.0	14.9	16.6	17.0	17.7
Advance payments received on orders	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other liabilities (incl. from lease and rental contracts)	8.2	15.7	14.0	9.7	9.7	9.7	9.7
Deferred taxes	1.3	2.7	1.9	0.9	0.9	0.9	0.9
Deferred income	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Current liabilities	31.5	46.7	47.7	52.6	54.2	54.7	55.3
TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	138.3	149.6	153.8	152.7	158.8	165.6	174.0

Balance sheet (common size)	2014	2015	2016	2017	2018E	2019E	2020E
Intangible assets	3.3 %	2.8 %	2.8 %	2.3 %	2.1 %	1.9 %	1.7 %
Property, plant and equipment	35.0 %	39.0 %	41.0 %	33.5 %	29.3 %	25.8 %	22.6 %
Financial assets	11.6 %	9.7 %	10.2 %	11.4 %	11.0 %	10.5 %	10.0 %
FIXED ASSETS	50.0 %	51.5 %	54.0 %	47.2 %	42.4 %	38.2 %	34.3 %
Inventories	23.0 %	26.6 %	24.5 %	27.4 %	30.7 %	34.5 %	34.8 %
Accounts receivable	19.5 %	17.1 %	16.3 %	18.0 %	21.1 %	22.7 %	25.2 %
Other current assets	4.4 %	2.8 %	2.0 %	1.8 %	1.8 %	1.7 %	1.6 %
Liquid assets	2.5 %	1.6 %	2.7 %	5.5 %	4.1 %	2.9 %	4.0 %
Deferred taxes	0.6 %	0.5 %	0.5 %	0.1 %	0.1 %	0.1 %	0.0 %
Deferred charges and prepaid expenses	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
CURRENT ASSETS	50.0 %	48.6 %	46.0 %	52.8 %	57.6 %	61.8 %	65.7 %
TOTAL ASSETS	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
SHAREHOLDERS EQUITY	30.3 %	31.6 %	33.7 %	37.2 %	38.6 %	40.8 %	43.3 %
MINORITY INTEREST	0.0 %	neg.	neg.	neg.	neg.	neg.	neg.
Long-term debt	42.8 %	28.6 %	29.2 %	22.5 %	21.6 %	20.7 %	19.7 %
Provisions for pensions and similar obligations	0.0 %	1.1 %	1.2 %	1.1 %	1.1 %	1.0 %	1.0 %
Other provisions	4.2 %	7.6 %	4.9 %	4.9 %	4.7 %	4.5 %	4.3 %
Non-current liabilities	47.0 %	37.3 %	35.3 %	28.5 %	27.4 %	26.2 %	25.0 %
short-term liabilities to banks	7.7 %	6.2 %	12.8 %	17.7 %	17.0 %	16.3 %	15.5 %
Accounts payable	8.2 %	12.8 %	7.8 %	9.8 %	10.4 %	10.3 %	10.2 %
Advance payments received on orders	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Other liabilities (incl. from lease and rental contracts)	5.9 %	10.5 %	9.1 %	6.4 %	6.1 %	5.9 %	5.6 %
Deferred taxes	1.0 %	1.8 %	1.3 %	0.6 %	0.6 %	0.6 %	0.5 %
Deferred income	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Current liabilities	22.8 %	31.2 %	31.0 %	34.4 %	34.1 %	33.0 %	31.8 %
TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %

Cash flow statement (EUR m)	2014	2015	2016	2017	2018E	2019E	2020E
Net profit/loss	4.1	3.4	4.5	7.0	5.4	8.0	10.1
Depreciation of fixed assets (incl. leases)	9.3	9.9	11.7	12.9	13.6	13.8	13.8
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	2.0	2.0	0.7	0.2	0.2	0.2	0.2
Others	-1.7	5.5	-5.2	-10.4	0.0	0.0	0.0
Cash flow from operations before changes in w/c	13.7	20.8	11.7	9.6	19.2	22.0	24.1
Increase/decrease in inventory	-3.4	-8.0	2.1	-4.2	-6.9	-8.4	-3.5
Increase/decrease in accounts receivable	-3.9	1.5	0.4	-2.4	-6.0	-4.1	-6.4
Increase/decrease in accounts payable	0.4	7.8	-7.1	2.9	1.6	0.5	0.7
Increase/decrease in other working capital positions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase/decrease in working capital	-6.9	1.3	-4.6	-3.7	-11.2	-12.0	-9.2
Cash flow from operating activities	6.8	22.2	7.2	5.9	8.0	10.0	14.9
CAPEX	5.6	19.8	8.1	7.1	9.0	10.0	10.4
Payments for acquisitions	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
Financial investments	0.1	0.0	0.4	0.0	0.0	0.0	0.0
Income from asset disposals	5.2	0.3	1.0	8.1	0.0	0.0	0.0
Cash flow from investing activities	-0.4	-19.5	-7.5	1.0	-9.0	-10.0	-10.4
Cash flow before financing	6.4	2.7	-0.3	6.9	-1.0	0.0	4.5
Increase/decrease in debt position	-6.6	-17.9	12.7	-3.4	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	0.0	0.0	0.0	0.0	0.0	0.0
Dividends paid	0.0	0.0	0.0	0.0	0.9	1.6	2.4
Others	0.0	14.1	-13.1	0.7	0.0	0.0	0.0
Effects of exchange rate changes on cash	0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Cash flow from financing activities	-6.6	-3.8	-0.4	-2.7	-0.9	-1.6	-2.4
Increase/decrease in liquid assets	-0.1	-1.2	-0.8	4.2	-1.9	-1.6	2.1
Liquid assets at end of period	3.5	2.4	4.1	8.4	6.4	4.8	6.9

Key ratios (EUR m)	2014	2015	2016	2017	2018E	2019E	2020E
P&L growth analysis							
Sales growth	21.5 %	25.6 %	-13.5 %	5.5 %	10.8 %	2.9 %	4.0 %
EBITDA growth	22.7 %	-0.9 %	-10.6 %	17.3 %	4.6 %	16.3 %	28.7 %
EBIT growth	47.3 %	-8.2 %	-30.1 %	41.1 %	3.1 %	38.5 %	69.5 %
EPS growth	96.6 %	-16.2 %	30.8 %	55.2 %	-23.7 %	49.1 %	88.7 %
Efficiency							
Total operating costs / sales	91.1 %	93.3 %	92.3 %	92.2 %	92.6 %	91.5 %	90.9 %
Sales per employee	203.8	245.6	207.6	219.1	242.6	249.6	259.6
EBITDA per employee	19.8	18.8	16.4	19.3	20.1	23.4	25.9
Balance sheet analysis							
Avg. working capital / sales	19.4 %	17.1 %	20.4 %	21.0 %	21.6 %	25.1 %	25.7 %
Inventory turnover (sales/inventory)	6.9	6.9	6.3	6.0	5.7	5.0	4.9
Trade debtors in days of sales	45.1	33.9	38.5	40.1	44.0	48.0	54.0
A/P turnover [(A/P*365)/sales]	18.9	25.5	18.5	21.8	21.8	21.8	21.8
Cash conversion cycle (days)	103.8	78.5	111.5	112.9	124.3	146.7	155.6
Cash flow analysis							
Free cash flow	1.2	2.4	-0.9	-1.2	-1.0	0.0	4.5
Free cash flow/sales	0.5 %	0.9 %	-0.4 %	-0.5 %	-0.4 %	0.0 %	1.5 %
FCF / net profit	28.7 %	69.8 %	neg.	neg.	neg.	neg.	44.5 %
Capex / depn	50.7 %	165.9 %	68.3 %	54.5 %	65.2 %	71.4 %	74.3 %
Capex / maintenance capex	71.4 %	236.9 %	92.9 %	77.9 %	93.2 %	102.0 %	106.1 %
Capex / sales	2.6 %	7.2 %	3.6 %	2.8 %	3.2 %	3.5 %	3.5 %
Security			0.0 /0				0.0 /0
Net debt	66.4	49.6	60.5	52.9	54.8	56.5	54.4
Net Debt/EBITDA	3.1	2.4	3.2	2.4	2.4	2.1	1.8
Net debt / equity	1.6	1.1	1.2	0.9	0.9	0.8	0.7
Interest cover	2.2	2.4	2.2	4.3	4.6	6.4	7.8
Dividend payout ratio	0.0 %	0.0 %	0.0 %	12.8 %	30.0 %	30.0 %	35.6 %
Asset utilisation				12.0			2010 /
Capital employed turnover	1.9	2.4	1.9	2.0	2.1	2.1	2.0
Operating assets turnover	2.3	2.6	2.1	2.4	2.5	2.4	2.4
Plant turnover	4.5	4.7	3.8	4.9	6.0	6.7	7.6
Inventory turnover (sales/inventory)	6.9	6.9	6.3	6.0	5.7	5.0	4.9
Returns							
ROCE	7.9 %	7.9 %	5.3 %	7.1 %	7.1 %	9.5 %	11.3 %
ROE	9.9 %	7.3 %	8.7 %	12.4 %	8.8 %	11.8 %	13.4 %
Other							
Interest paid / avg. debt	5.8 %	6.2 %	4.9 %	3.3 %	3.3 %	3.3 %	3.3 %
No. employees (average)	1072	1118	1144	1144	1144	1144	1144
Number of shares	30.0	30.0	30.0	30.0	30.0	30.0	30.0
DPS	0.0	0.0	0.0	0.0	0.1	0.1	0.1
EPS reported	0.14	0.12	0.15	0.23	0.18	0.27	0.34
Valuation ratios							
P/BV	2.0	1.8	1.6	1.5	1.4	1.2	1.1
EV/sales	0.7	0.5	0.6	0.6	0.5	0.5	0.5
EV/EBITDA	7.1	6.4	7.8	6.3	6.1	5.3	4.7
EV/EBITA	12.6	12.1	20.6	15.1	14.8	10.9	8.8
EV/EBIT	15.1	14.8	22.9	15.4	15.1	11.1	8.9
EV/FCF	126.6	55.7	-158.5	-115.2	-134.5	-11271.5	31.0
Adjusted FCF yield	8.9 %	8.2 %	7.7 %	9.5 %	9.5 %	11.6 %	13.6 %
Dividend yield	0.0 %	0.0 %	0.0 %	1.1 %	1.9 %	2.9 %	4.3 %
Source: Company data Hayak & Aufhäuser	0.0 /0	0.0 /0	0.0 /0	/0	0 /0	0 /0	0 /0

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Company	Disclosure
MS Industrie AG	6

### Historical target price and rating changes for MS Industrie AG in the last 12 months



Company	Date	Analyst	Rating	Target price	Close
MS Industrie AG	20.09.2018	Glowa, Christian	Buy	EUR 7,00	EUR 3,07
	24.08.2018	Glowa, Christian	Buy	EUR 7,00	EUR 3,40
	11.07.2018	Glowa, Christian	Buy	EUR 7,00	EUR 3,35
	24.05.2018	Glowa, Christian	Buy	EUR 7,00	EUR 3,60
	02 02 2018	Glowa Christian	Buy	FUR 6.20	FUR 4.45

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