

Buy EUR 122.00 Price EUR 88.00 Upside 38.6 %	Value Indicators: EUR DCF: 121.50	Warburg ESG Risk Score: 2.8 ESG Score (MSCI based): 3.0 Balance Sheet Score: 5.0 Market Liquidity Score: 0.5	Description: Online broker specialized on heavy traders
	Market Snapshot: EUR m Market cap: 205.7 No. of shares (m): 2.3 EV: 61.0 Freefloat MC: 141.7 Ø Trad. Vol. (30d): 94.72 th	Shareholders: Freefloat 68.9 % Ingo Hillen 6.2 % HSBC Trinkaus & Burkhardt 24.9 %	Key Figures (WRe): 2020/21e Beta: 1.4 Price / Book: 1.3 x Equity Ratio: 98 %

Final 2020/21 net income growth driven by investment income

sino AG - Q4 2021				
in EUR m	2021	2021e	2020	yoy
Sales	11.3	11.7	8.5	33.0%
Net income	138.6	141.5	9.5	1356.2%
<i>margin</i>	1226.6%	1209.4%	112.0%	
EPS in EUR	59.29	60.52	4.07	1356.8%

Comment on Figures:

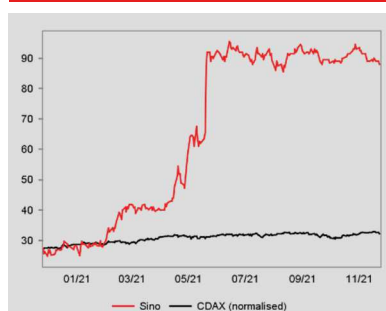
- Sales increase driven by high volatility in capital markets
- Net income affected by high profits from the sale of a stake in Trade Republic GmbH

Net income and operating EBT for the fiscal year 2020/2021, which ended in September, was reported by sino last Friday (19.11.21).

- The operating income of the sino brokerage business amounted to EUR 11.3m, a rise of 28.9% yoy and just slightly below our estimate of EUR 11.7m. Despite a slight decline in the number of trading customers to 322 (-6.67% yoy), sino executed 18.69% more orders than in 2019/20, primarily driven by the high volatility in capital markets in early 2021. Operating expenses increased by +20.5% to EUR 8m, which was slightly stronger than anticipated (WRe EUR 7.6m), driven in part by extraordinary legal and advice costs. In total, sino AG generated an operating EBT of EUR 3.3m, some 55% higher than the previous year, demonstrating the high scalability of the brokerage business.
- Net income growth of +1,361% to EUR 138.6m is primarily driven by the extraordinary profit from the sale of Trade Republic shares in the course of the last financing round of the company in May 2021. Sino still intends to suggest a dividend of EUR 53 per share to the AGM, which equals a total amount of EUR 124m. The distribution of this dividend is expected to take place in the course of 2022. However, based on an unchanged valuation from the financing round in May, sino's remaining share of Trade Republic should be worth some EUR 113m.
- Considering the current cash position of EUR 142.4m and the market cap of EUR 206m, a discount of more than 43% on the remaining Trade Republic stake is currently reflected in the share price. Furthermore, the operating brokerage business and the remaining investments are not reflected at all. Otherwise, the discount would be even higher.

Assessment: The final operating and net income results for the fiscal year 2020/2021 are roughly in line with our assumptions. Considering the strong cash position, the operating brokerage business and the high value of the remaining investments in Trade Republic, tick TS and some smaller FinTech companies, we deem the current valuation as significantly too low. Therefore, we reiterate our Buy rating and our PT of EUR 122.

FY End: 30.9. in EUR m	CAGR (19/20-22/23e)	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e
		Sales	-9.3 %	5.0	5.3	4.7	8.5	11.7
Change Sales yoy		6.8 %	5.8 %	-11.1 %	82.0 %	37.4 %	-46.4 %	1.5 %
Gross profit margin		100.0 %	100.0 %	95.8 %	100.0 %	100.0 %	100.0 %	100.0 %
EBITDA	-10.9 %	-0.3	-1.4	-3.1	2.4	4.1	1.7	1.7
Margin		-6.9 %	-26.6 %	-66.6 %	28.4 %	35.3 %	27.0 %	26.9 %
EBIT	-12.0 %	-0.5	-1.7	-3.5	2.1	3.7	1.4	1.5
Margin		-10.4 %	-31.6 %	-74.3 %	25.0 %	31.3 %	23.0 %	22.9 %
Net income	-49.0 %	2.2	-1.0	-1.6	9.5	141.5	1.3	1.3
EPS	-49.0 %	0.96	-0.42	-0.69	4.07	60.52	0.54	0.54
EPS adj.	-49.0 %	0.96	-0.42	-0.69	4.07	60.52	0.54	0.54
DPS	-	0.10	0.00	0.64	2.92	0.00	0.00	0.00
Dividend Yield		2.1 %	n.a.	15.0 %	33.7 %	n.a.	n.a.	n.a.
FCFPS		-0.29	-0.36	-1.01	1.43	61.91	1.54	0.60
FCF / Market cap		-6.3 %	-10.1 %	-23.8 %	16.5 %	70.4 %	1.7 %	0.7 %
EV / Sales		2.0 x	1.6 x	2.1 x	2.4 x	5.2 x	9.2 x	8.8 x
EV / EBITDA		n.a.	n.a.	n.a.	8.4 x	14.8 x	34.0 x	32.8 x
EV / EBIT		n.a.	n.a.	n.a.	9.5 x	16.7 x	39.9 x	38.5 x
P / E		4.9 x	n.a.	n.a.	2.1 x	1.5 x	163.0 x	163.0 x
P / E adj.		4.9 x	n.a.	n.a.	2.1 x	1.5 x	163.0 x	163.0 x
FCF Potential Yield		-3.9 %	-11.7 %	-22.6 %	8.4 %	1.8 %	2.0 %	2.1 %
Net Debt		-0.7	-0.3	0.0	0.0	-144.7	-148.3	-149.7
ROCE (NOPAT)		n.a.	n.a.	n.a.	19.1 %	24.5 %	8.6 %	9.7 %
Guidance:		Net income between EUR 135m and 146m						

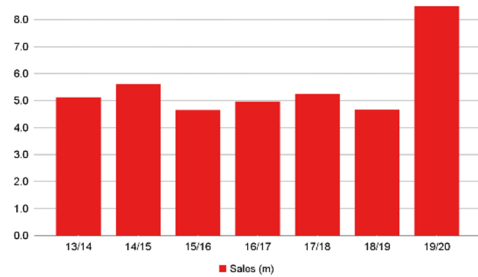


Rel. Performance vs CDAX:

1 month:	-5.3 %
6 months:	-7.3 %
Year to date:	197.5 %
Trailing 12 months:	210.9 %

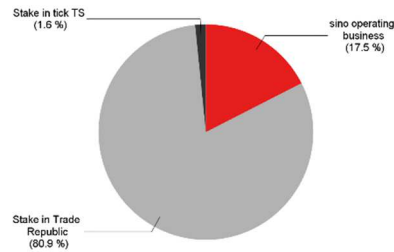
Company events:
30.11.21 Prel. FY 2020/21

Sales development in EUR m



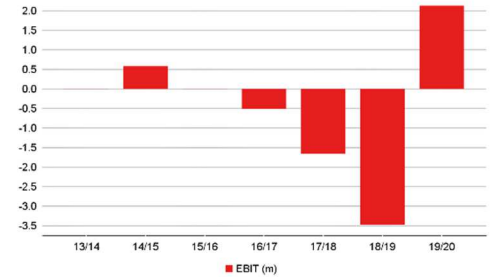
Source: Warburg Research

Valuation contributors in %



Source: Warburg Research

EBIT development in EUR m



Source: Warburg Research

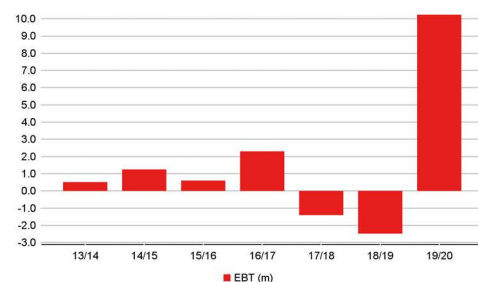
Company Background

- sino is a high end online brokerage company, specializing on providing services to heavy traders.
- The trading software tool MX-PRO is especially designed to fulfill the needs of heavy traders providing extraordinary high stability.
- In addition to common product offerings, such as stocks, bonds, futures, derivatives, ETFs, funds and forex, sino also grants access to IPOs and the ability to short-sale securities.
- The very experienced management team is actively contributing to the development of the industry with investments in the fintech startups Trade Republic and Quinn Technologies.

Competitive Quality

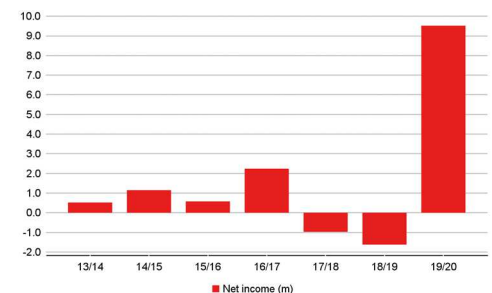
- High end trading platform provides extended scale of services through customizable software tools with access to a greater variety of financial products than usual brokerage businesses.
- sino operates in the niche market of heavy traders with few competitors and considerable entry barriers due to the loyalty of the customer base.
- The strong software and trading partners, HSBC Trinkaus and tick Trading Software, support sino through banking and operational frameworks.
- With the outsourcing of the IT and technical settlements to third-parties, sino is able to keep a lean corporate structure.
- Attractive shareholdings in Trade Republic, tick Trading Software and Quinn Technologies add significant value.

EBT development in EUR m



Source: Warburg Research

Net income development in EUR m



Source: Warburg Research

DCF model

Figures in EUR m	Detailed forecast period			Transitional period										Term. Value
	20/21e	21/22e	22/23e	23/24e	24/25e	25/26e	26/27e	27/28e	28/29e	29/30e	30/31e	31/32e	32/33e	
Sales	11.7	6.3	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.2	7.3	7.4	
Sales change	37.4 %	-46.4 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %
EBIT	3.7	1.4	1.5	1.5	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	
EBIT-margin	31.3 %	23.0 %	22.9 %	23.0 %	24.0 %	25.0 %	25.0 %	25.0 %	25.0 %	25.0 %	25.0 %	25.0 %	25.0 %	
Tax rate (EBT)	2.1 %	30.0 %	30.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	
NOPAT	3.6	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	
Depreciation	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
in % of Sales	4.0 %	4.0 %	4.0 %	4.0 %	3.0 %	2.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	
Changes in provisions	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	
Change in Liquidity from														
- Working Capital	-2.9	-2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
- Capex	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Capex in % of Sales	0.9 %	1.7 %	1.7 %	2.0 %	2.0 %	2.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	
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 Model)	6.8	3.4	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1
PV of FCF	6.8	3.1	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	6
share of PVs	47.99 %			26.92 %										25.09 %

Model parameter

Derivation of WACC:		Derivation of Beta:	
Debt ratio	0.00 %	Financial Strength	1.20
Cost of debt (after tax)	4.2 %	Liquidity (share)	1.50
Market return	7.00 %	Cyclicality	1.40
Risk free rate	1.50 %	Transparency	1.40
		Others	1.40
WACC	9.09 %	Beta	1.38

Valuation (m)

Present values 2032/33e	17		
Terminal Value	6		
Financial liabilities	0		
Pension liabilities	0		
Hybrid capital	0		
Minority interest	0		
Market val. of investments	119		
Liquidity	142	No. of shares (m)	2.3
Equity Value	284	Value per share (EUR)	121.50

Sensitivity Value per Share (EUR)

Beta	WACC	Terminal Growth							Beta	WACC	Delta EBIT-margin						
		0.75 %	1.00 %	1.25 %	1.50 %	1.75 %	2.00 %	2.25 %			-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.56	10.1 %	120.66	120.71	120.76	120.81	120.87	120.93	121.00	1.56	10.1 %	120.42	120.55	120.68	120.81	120.94	121.07	121.21
1.47	9.6 %	120.95	121.01	121.07	121.13	121.20	121.28	121.36	1.47	9.6 %	120.72	120.86	121.00	121.13	121.27	121.41	121.55
1.43	9.3 %	121.11	121.17	121.24	121.31	121.39	121.47	121.55	1.43	9.3 %	120.89	121.03	121.17	121.31	121.45	121.59	121.73
1.38	9.1 %	121.28	121.35	121.42	121.50	121.58	121.67	121.76	1.38	9.1 %	121.06	121.21	121.35	121.50	121.64	121.79	121.93
1.33	8.8 %	121.46	121.53	121.61	121.70	121.79	121.89	121.99	1.33	8.8 %	121.25	121.40	121.55	121.70	121.85	121.99	122.14
1.29	8.6 %	121.65	121.73	121.82	121.91	122.01	122.12	122.24	1.29	8.6 %	121.45	121.60	121.76	121.91	122.06	122.22	122.37
1.20	8.1 %	122.06	122.16	122.27	122.38	122.51	122.64	122.79	1.20	8.1 %	121.90	122.06	122.22	122.38	122.55	122.71	122.87

- Strong top-line growth in 2021 is triggered by a favourable market environment
- A normalisation is assumed thereafter, resulting in declining revenues in 2022e
- The remaining stakes in Trade Republic and tick TS AG are reflected in market value of investments
- The value of the remaining share in Trade Republic bases on the last financing round

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	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e	
Net Income before minorities	2.2	-1.0	-1.6	9.5	141.5	1.3	1.3	
+ Depreciation + Amortisation	0.2	0.3	0.4	0.3	0.5	0.3	0.3	
- Net Interest Income	2.8	0.3	1.0	8.1	140.9	0.4	0.4	
- Maintenance Capex	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
+ Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
= Free Cash Flow Potential	-0.4	-1.0	-2.2	1.7	1.1	1.2	1.2	
FCF Potential Yield (on market EV)	-3.9 %	-11.7 %	-22.6 %	8.4 %	1.8 %	2.0 %	2.1 %	
WACC	9.09 %	9.09 %	9.09 %	9.09 %	9.09 %	9.09 %	9.09 %	
= Enterprise Value (EV)	10.2	8.2	9.9	20.2	61.0	57.4	56.0	
= Fair Enterprise Value	n.a.	n.a.	n.a.	18.6	11.8	12.7	12.8	
- Net Debt (Cash)	0.0	0.0	0.0	0.0	-144.7	-148.3	-149.7	
- Pension Liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
- 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	0.0	
+ Market value of investments	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
= Fair Market Capitalisation	n.a.	n.a.	n.a.	18.6	156.5	161.0	162.6	
Number of shares, average	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
= Fair value per share (EUR)	n.a.	n.a.	n.a.	7.97	66.97	68.88	69.54	
premium (-) / discount (+) in %					-23.9 %	-21.7 %	-21.0 %	
Sensitivity Fair value per Share (EUR)								
	12.09 %	n.a.	n.a.	n.a.	5.99	65.71	67.53	68.18
	11.09 %	n.a.	n.a.	n.a.	6.53	66.06	67.90	68.55
	10.09 %	n.a.	n.a.	n.a.	7.18	66.47	68.34	69.00
WACC	9.09 %	n.a.	n.a.	n.a.	7.97	66.97	68.88	69.54
	8.09 %	n.a.	n.a.	n.a.	8.96	67.59	69.55	70.22
	7.09 %	n.a.	n.a.	n.a.	10.22	68.39	70.41	71.09
	6.09 %	n.a.	n.a.	n.a.	11.90	69.46	71.55	72.24

Valuation

	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e
Price / Book	1.9 x	1.2 x	2.2 x	1.2 x	1.3 x	1.3 x	1.3 x
Book value per share ex intangibles	2.30	2.63	1.72	6.83	67.31	67.84	68.38
EV / Sales	2.0 x	1.6 x	2.1 x	2.4 x	5.2 x	9.2 x	8.8 x
EV / EBITDA	n.a.	n.a.	n.a.	8.4 x	14.8 x	34.0 x	32.8 x
EV / EBIT	n.a.	n.a.	n.a.	9.5 x	16.7 x	39.9 x	38.5 x
EV / EBIT adj.*	n.a.	n.a.	n.a.	9.5 x	16.7 x	39.9 x	38.5 x
P / FCF	n.a.	n.a.	n.a.	6.1 x	1.4 x	57.2 x	145.9 x
P / E	4.9 x	n.a.	n.a.	2.1 x	1.5 x	163.0 x	163.0 x
P / E adj.*	4.9 x	n.a.	n.a.	2.1 x	1.5 x	163.0 x	163.0 x
Dividend Yield	2.1 %	n.a.	15.0 %	33.7 %	n.a.	n.a.	n.a.
FCF Potential Yield (on market EV)	-3.9 %	-11.7 %	-22.6 %	8.4 %	1.8 %	2.0 %	2.1 %

*Adjustments made for: -

Consolidated profit & loss

In EUR m	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e
Sales	5.0	5.3	4.7	8.5	11.7	6.3	6.3
Change Sales yoy	6.8 %	5.8 %	-11.1 %	82.0 %	37.4 %	-46.4 %	1.5 %
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	5.0	5.3	4.7	8.5	11.7	6.3	6.3
Material expenses	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Gross profit	5.0	5.3	4.5	8.5	11.7	6.3	6.3
<i>Gross profit margin</i>	<i>100.0 %</i>	<i>100.0 %</i>	<i>95.8 %</i>	<i>100.0 %</i>	<i>100.0 %</i>	<i>100.0 %</i>	<i>100.0 %</i>
Personnel expenses	1.8	2.6	2.9	2.7	2.8	2.1	2.1
Other operating income	0.5	0.5	0.5	0.3	0.5	0.5	0.5
Other operating expenses	4.0	4.6	5.1	3.7	5.3	3.0	3.0
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	-0.3	-1.4	-3.1	2.4	4.1	1.7	1.7
<i>Margin</i>	<i>-6.9 %</i>	<i>-26.6 %</i>	<i>-66.6 %</i>	<i>28.4 %</i>	<i>35.3 %</i>	<i>27.0 %</i>	<i>26.9 %</i>
Depreciation of fixed assets	0.2	0.3	0.4	0.3	0.5	0.3	0.3
EBITA	-0.5	-1.7	-3.5	2.1	3.7	1.4	1.5
Amortisation of intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	-0.5	-1.7	-3.5	2.1	3.7	1.4	1.5
<i>Margin</i>	<i>-10.4 %</i>	<i>-31.6 %</i>	<i>-74.3 %</i>	<i>25.0 %</i>	<i>31.3 %</i>	<i>23.0 %</i>	<i>22.9 %</i>
EBIT adj.	-0.5	-1.7	-3.5	2.1	3.7	1.4	1.5
Interest income	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Interest expenses	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other financial income (loss)	3.3	0.6	1.2	8.1	141.0	0.5	0.5
EBT	2.3	-1.4	-2.5	10.2	144.5	1.8	1.8
<i>Margin</i>	<i>46.3 %</i>	<i>-26.8 %</i>	<i>-53.1 %</i>	<i>120.5 %</i>	<i>1237.7 %</i>	<i>28.6 %</i>	<i>28.4 %</i>
Total taxes	0.1	-0.4	-0.9	0.7	3.0	0.5	0.5
Net income from continuing operations	2.2	-1.0	-1.6	9.5	141.5	1.3	1.3
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	2.2	-1.0	-1.6	9.5	141.5	1.3	1.3
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	2.2	-1.0	-1.6	9.5	141.5	1.3	1.3
<i>Margin</i>	<i>45.2 %</i>	<i>-18.5 %</i>	<i>-34.7 %</i>	<i>112.0 %</i>	<i>1211.6 %</i>	<i>20.0 %</i>	<i>19.9 %</i>
Number of shares, average	2.3	2.3	2.3	2.3	2.3	2.3	2.3
EPS	0.96	-0.42	-0.69	4.07	60.52	0.54	0.54
EPS adj.	0.96	-0.42	-0.69	4.07	60.52	0.54	0.54

*Adjustments made for:

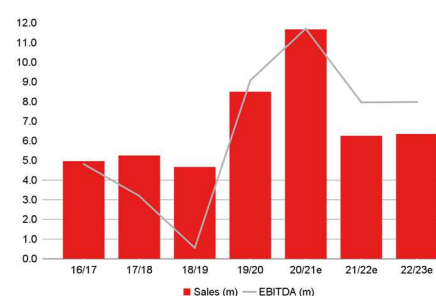
Guidance: Net income between EUR 135m and 146m

Financial Ratios

	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e
Total Operating Costs / Sales	106.9 %	126.6 %	166.6 %	71.6 %	64.7 %	73.0 %	73.1 %
Operating Leverage	n.a.	38.4 x	-9.8 x	n.a.	1.9 x	1.3 x	0.7 x
EBITDA / Interest expenses	n.m.	n.m.	n.m.	490.4 x	n.a.	n.a.	n.a.
Tax rate (EBT)	2.5 %	31.0 %	34.7 %	7.1 %	2.1 %	30.0 %	30.0 %
Dividend Payout Ratio	10.4 %	0.0 %	n.m.	71.7 %	0.0 %	0.0 %	0.0 %
Sales per Employee	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

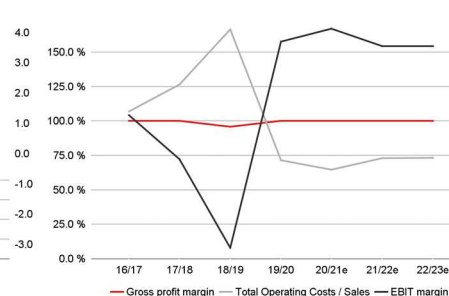
Sales, EBITDA

in EUR m

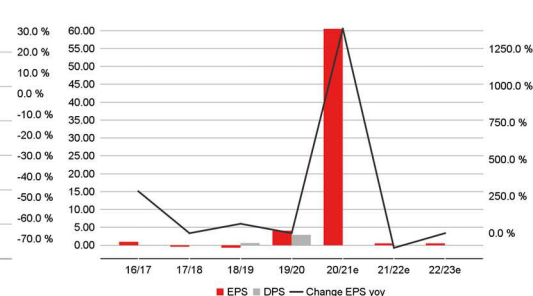


Operating Performance

in %



Performance per Share



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

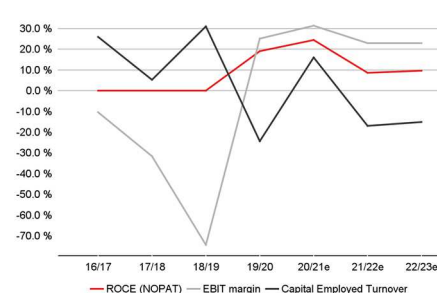
Consolidated balance sheet

In EUR m	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e
Assets							
Goodwill and other intangible assets	0.3	0.7	0.5	0.3	0.3	0.3	0.3
thereof other intangible assets	0.2	0.5	0.5	0.3	0.3	0.3	0.3
thereof Goodwill	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	0.3	0.4	0.3	0.2	-0.1	-0.3	-0.4
Financial assets	0.6	0.6	2.5	9.4	9.3	9.3	9.2
Other long-term assets	0.4	0.3	0.3	1.3	1.3	1.3	1.3
Fixed assets	1.6	2.0	3.6	11.2	10.8	10.6	10.4
Inventories	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accounts receivable	4.6	5.4	1.9	7.7	4.8	2.6	2.6
Liquid assets	0.7	0.3	0.0	0.0	144.7	148.3	149.7
Other short-term assets	0.1	0.8	0.1	0.1	0.1	0.1	0.1
Current assets	5.4	6.4	2.0	7.9	149.7	151.1	152.5
Total Assets	7.0	8.4	5.6	19.1	160.4	161.6	162.9
Liabilities and shareholders' equity							
Subscribed capital	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Capital reserve	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Retained earnings	0.2	0.2	0.2	1.4	142.8	144.1	145.3
Other equity components	3.1	4.2	1.9	12.5	12.4	12.4	12.4
Shareholders' equity	5.7	6.8	4.5	16.3	157.6	158.9	160.1
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	5.7	6.8	4.5	16.3	157.6	158.9	160.1
Provisions	0.8	0.7	0.6	1.5	1.5	1.5	1.5
thereof provisions for pensions and similar obligations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial liabilities (total)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Short-term financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accounts payable	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other liabilities	0.5	0.8	0.5	1.3	1.3	1.3	1.3
Liabilities	1.3	1.5	1.1	2.8	2.8	2.8	2.8
Total liabilities and shareholders' equity	7.0	8.4	5.6	19.1	160.4	161.6	162.9

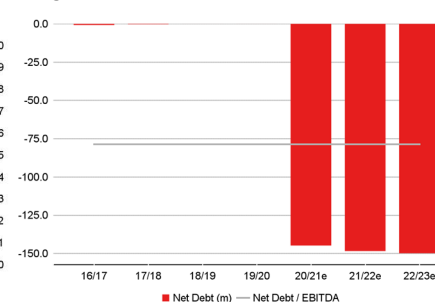
Financial Ratios

	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e
Efficiency of Capital Employment							
Operating Assets Turnover	1.0 x	0.9 x	2.1 x	1.1 x	2.5 x	2.7 x	2.9 x
Capital Employed Turnover	1.0 x	0.8 x	1.0 x	0.5 x	0.9 x	0.6 x	0.6 x
ROA	136.8 %	-47.8 %	-45.2 %	85.0 %	1311.4 %	11.8 %	12.1 %
Return on Capital							
ROCE (NOPAT)	n.a.	n.a.	n.a.	19.1 %	24.5 %	8.6 %	9.7 %
ROE	46.2 %	-15.5 %	-28.7 %	91.8 %	162.7 %	0.8 %	0.8 %
Adj. ROE	46.2 %	-15.5 %	-28.7 %	91.8 %	162.7 %	0.8 %	0.8 %
Balance sheet quality							
Net Debt	-0.7	-0.3	0.0	0.0	-144.7	-148.3	-149.7
Net Financial Debt	-0.7	-0.3	0.0	0.0	-144.7	-148.3	-149.7
Net Gearing	-12.7 %	-3.8 %	-0.2 %	-0.1 %	-91.8 %	-93.4 %	-93.5 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	2.4	2.9	1.9	7.0	67.4	68.0	68.5
Book value per share ex intangibles	2.3	2.6	1.7	6.8	67.3	67.8	68.4

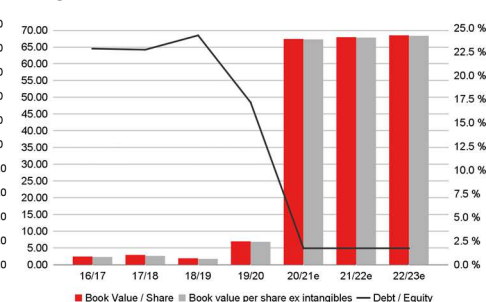
ROCE Development



Net debt in EUR m



Book Value per Share in EUR



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

Consolidated cash flow statement

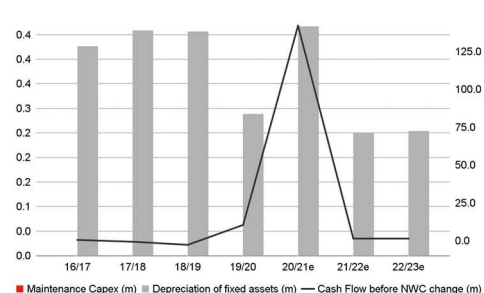
In EUR m	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e
Net income	2.2	-1.0	-1.6	9.5	141.5	1.3	1.3
Depreciation of fixed assets	0.4	0.5	0.5	0.3	0.5	0.3	0.3
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase/decrease in long-term provisions	0.1	-0.2	0.2	0.6	0.0	0.0	0.0
Other non-cash income and expenses	-2.4	-0.1	-1.7	0.0	0.0	0.0	0.0
Cash Flow before NWC change	0.4	-0.8	-2.7	10.4	141.9	1.5	1.5
Increase / decrease in inventory	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase / decrease in accounts receivable	-0.2	0.2	0.4	-0.1	2.9	2.2	0.0
Increase / decrease in accounts payable	0.0	0.0	0.4	0.0	0.0	0.0	0.0
Increase / decrease in other working capital positions	-0.5	0.4	-0.1	-6.9	0.0	0.0	0.0
Increase / decrease in working capital (total)	-0.8	0.6	0.7	-6.9	2.9	2.2	0.0
Net cash provided by operating activities [1]	-0.4	-0.1	-2.0	3.5	144.8	3.7	1.5
Investments in intangible assets	-0.1	-0.5	-0.3	0.0	0.0	0.0	0.0
Investments in property, plant and equipment	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1
Payments for acquisitions	0.0	0.0	0.0	0.1	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	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Net cash provided by investing activities [2]	2.4	-0.7	-0.4	-0.1	-0.1	-0.1	-0.1
Change in financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dividends paid	-0.6	-0.2	0.0	-2.1	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	2.3	2.5	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net cash provided by financing activities [3]	-0.6	2.1	2.5	-2.1	0.0	0.0	0.0
Change in liquid funds [1]+[2]+[3]	1.4	1.3	0.1	1.4	144.7	3.6	1.4
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	1.4	1.3	0.1	2.0	144.7	148.3	149.7

Financial Ratios

	2016/17	2017/18	2018/19	2019/20	2020/21e	2021/22e	2022/23e
Cash Flow							
FCF	-0.7	-0.9	-2.4	3.3	144.7	3.6	1.4
Free Cash Flow / Sales	-13.7 %	-16.2 %	-50.8 %	39.2 %	1239.6 %	57.5 %	22.2 %
Free Cash Flow Potential	-0.4	-1.0	-2.2	1.7	1.1	1.2	1.2
Free Cash Flow / Net Profit	-30.4 %	87.8 %	146.3 %	35.0 %	102.3 %	287.3 %	111.7 %
Interest Received / Avg. Cash	0.5 %	0.1 %	0.5 %	33.3 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Management of Funds							
Investment ratio	5.9 %	13.7 %	8.6 %	1.2 %	0.9 %	1.7 %	1.7 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	168.7 %	274.0 %	111.6 %	36.8 %	22.7 %	42.3 %	41.7 %
Avg. Working Capital / Sales	77.3 %	94.6 %	77.8 %	56.5 %	53.5 %	59.1 %	41.0 %
Trade Debtors / Trade Creditors	32575.2 %	34370.0 %	103903.5 %	22554.0 %	n.a.	n.a.	n.a.
Inventory Turnover	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Receivables collection period (days)	338	373	149	332	150	152	149
Payables payment period (days)	n.a.	n.a.	3	n.a.	n.a.	n.a.	n.a.
Cash conversion cycle (Days)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

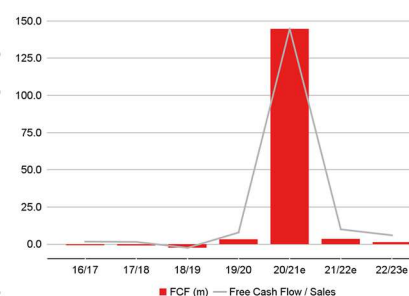
CAPEX and Cash Flow

in EUR m



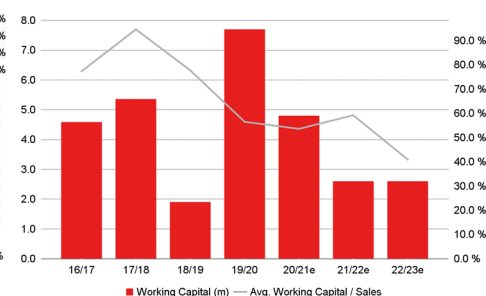
Source: Warburg Research

Free Cash Flow Generation



Source: Warburg Research

Working Capital



Source: Warburg Research

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Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
sino	5	http://www.mmwarburg.com/disclaimer/disclaimer_en/DE0005765507.htm

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Investment recommendation: expected direction of the share price development of the financial instrument up to the given price target 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	154	71
Hold	56	26
Sell	5	2
Rating suspended	3	1
Total	218	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	49	83
Hold	8	14
Sell	0	0
Rating suspended	2	3
Total	59	100

PRICE AND RATING HISTORY SINO AS OF 24.11.2021



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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