

Buy EUR 52.30 (EUR 122.00) Price EUR 29.00 Upside 80.3 %	Value Indicators: EUR DCF: 52.35	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: 67.8 No. of shares (m): 2.3 EV: 47.3 Freefloat MC: 43.5 Ø Trad. Vol. (30d): 53.22 th	Shareholders: Freefloat 64.10 % Ingo Hillen 11.00 % HSBC Trinkaus & Burkhardt 24.90 %	Key Figures (WRe): 2021/22e Beta: 1.4 Price / Book: 2.7 x Equity Ratio: 84 %

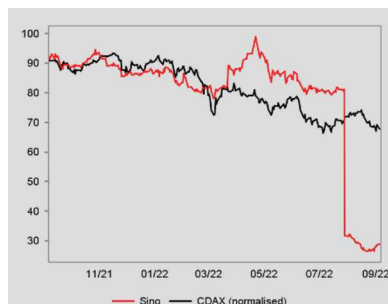
Solid operating performance after 9M

Preliminary 9M figures released by Sino were significantly lower than the previous year's level owing to lower trading activity by customers.

- The number of executed transactions after 9M stood at 701.9k (1,032.5k after 9M 2021), in line with a similar trend of lower trading activity that became visible at other online brokerage companies such as flatexDEGIRO, Avanza and Robinhood. This resulted in a revenue decline of EUR 6.7m (EUR 9.4m after 9M 2021), -28.7% yoy.
- Operating costs increased by +3.9% to EUR 6.4m, mainly owing to the ongoing migration process to Baader Bank which is to replace HSBC as operating partner for the brokerage business. The migration is progressing according to plan and should be concluded in September 2022. However, the migration and further investment in future growth were responsible for extraordinary costs amounting to EUR 1m.
- One-off costs included depository fees for the extraordinarily high cash position until the payout of the dividend of about EUR 130.9m, which amounted to roughly EUR 0.5m and will not occur over the next years. Furthermore, large parts of the migration costs should not show up again, resulting in one-off costs of about EUR 0.7m for the year. On the other hand, sino recorded extraordinary income of EUR 0.7m from the sale of shares in tick-TS AG.
- Overall, sino generated net income of EUR 0.9m after 9M, -58.9% yoy. The company maintained its guidance for net income of between EUR 0.2m and 1.3m but expecting the lower half, owing to higher costs in H2 partly due to the unplanned postponement of the AGM.
- Our new target price of EUR 52.30 reflects the payout of a dividend in the amount of EUR 53 per share. Furthermore, the remaining share of 2.3% in Trade Republic remains a significant value contributor. Since the last financing round in early June that valued Trade Republic at EUR 5bn, the brokerage peer group lost ~10% in value. Furthermore, a safety discount of another 10% is reflected in our updated model, assuming a valuation of EUR 4bn.

Assessment: Even though the market environment for brokerage companies remains challenging, sino appears to be on track with the upcoming finalization of the migration. This should put the company in a comfortable position to grow the number of trading customers again, which should be followed by net income growth. Furthermore, the very recent financing round at Trade Republic underlines the value of the remaining share, even though we reflect a discount in our updated model. Overall, our Buy rating is reiterated at an updated PT of EUR 52.30.

Changes in Estimates:						Comment on Changes:	
FY End: 30.9. in EUR m	2021/22e (old)	+ / -	2022/23e (old)	+ / -	2023/24e (old)	+ / -	
Sales	6.3	41.8 %	6.3	41.8 %	6.5	39.8 %	<ul style="list-style-type: none"> • Temporarily lower profitability is the result of migration costs and adverse market environment • Higher sales estimate due to increase in expectations for revenue per trade • An increased risk-free rate of 2.75% is reflected in our model
Net income	1.3	-64.8 %	1.3	-22.9 %	1.3	-1.5 %	
EPS	0.54	-64.8 %	0.54	-22.2 %	0.55	-1.8 %	

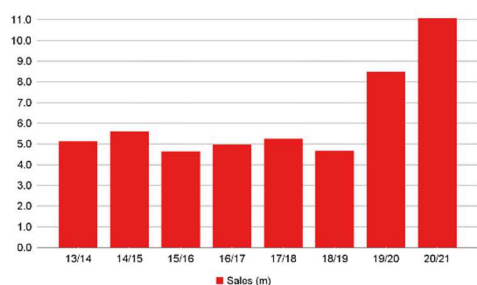


Rel. Performance vs CDAX:	
1 month:	0.0 %
6 months:	-55.4 %
Year to date:	-41.3 %
Trailing 12 months:	-41.9 %

Company events:	

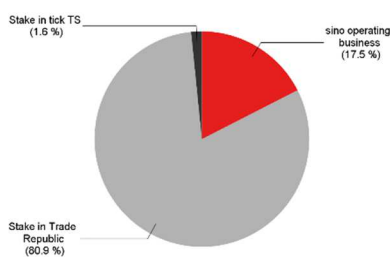
FY End: 30.9. in EUR m	CAGR (20/21-23/24e)	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e
Sales	-6.2 %	5.3	4.7	8.5	11.1	8.9	9.0	9.1
Change Sales yoy		5.8 %	-11.1 %	82.0 %	30.3 %	-19.9 %	1.5 %	1.4 %
Gross profit margin		100.0 %	95.8 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
EBITDA	-	-1.4	-3.1	2.4	-2.0	0.6	1.4	1.9
Margin		-26.6 %	-66.6 %	28.4 %	-18.0 %	7.1 %	15.6 %	20.5 %
EBIT	-	-1.7	-3.5	2.1	-2.2	0.3	1.0	1.5
Margin		-31.6 %	-74.3 %	25.0 %	-20.2 %	3.1 %	11.6 %	16.5 %
Net income	-79.2 %	-1.0	-1.6	9.5	139.4	0.4	1.0	1.3
EPS	-79.2 %	-0.42	-0.69	4.07	59.65	0.19	0.42	0.54
EPS adj.	-79.2 %	-0.42	-0.69	4.07	59.65	0.19	0.42	0.54
DPS	-	0.00	0.64	2.92	0.00	53.00	0.00	0.00
Dividend Yield		n.a.	15.0 %	33.7 %	n.a.	182.8 %	n.a.	n.a.
FCFPS		-0.36	-1.01	1.43	-2.27	0.54	0.48	0.65
FCF / Market cap		-10.1 %	-23.8 %	16.5 %	-4.1 %	1.8 %	1.7 %	2.2 %
EV / Sales		1.6 x	2.1 x	2.4 x	n.a.	5.3 x	5.1 x	4.9 x
EV / EBITDA		n.a.	n.a.	8.4 x	n.a.	74.6 x	33.0 x	23.9 x
EV / EBIT		n.a.	n.a.	9.5 x	n.a.	169.7 x	44.4 x	29.7 x
P / E		n.a.	n.a.	2.1 x	0.9 x	152.6 x	69.0 x	53.7 x
P / E adj.		n.a.	n.a.	2.1 x	0.9 x	152.6 x	69.0 x	53.7 x
FCF Potential Yield		-11.7 %	-22.6 %	8.4 %	39.9 %	0.9 %	2.1 %	2.9 %
Net Debt		-0.3	0.0	0.0	-143.1	-20.5	-21.6	-23.1
ROCE (NOPAT)		n.a.	n.a.	19.1 %	n.a.	3.7 %	15.3 %	22.4 %
Guidance:		Net income between EUR 0.2m and 1.3m						

Sales development in EUR m



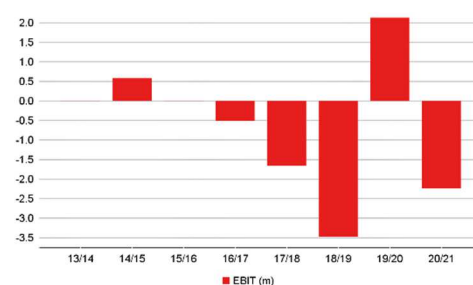
Source: Warburg Research

Valuation contributors in %



Source: Warburg Research

EBIT development in EUR m



Source: Warburg Research

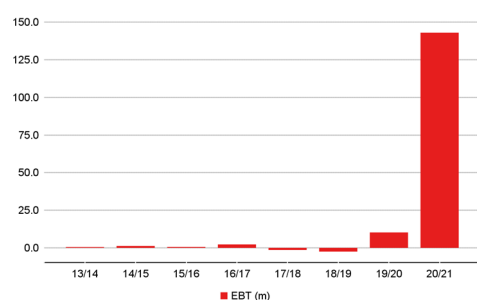
Company Background

- 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

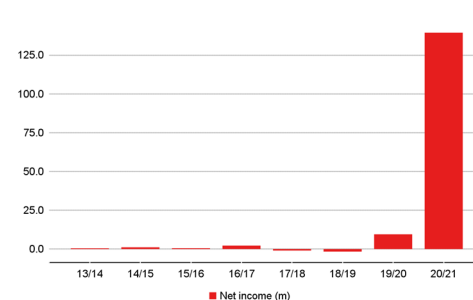
- High end trading platform provides extended scale of services through customizable software tools with access to a greater variety of financial products than usual brokerage businesses.
- sino operates in the niche market of heavy traders with few competitors and considerable entry barriers due to 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
	21/22e	22/23e	23/24e	24/25e	25/26e	26/27e	27/28e	28/29e	29/30e	30/31e	31/32e	32/33e	33/34e	
Sales	8.9	9.0	9.1	9.3	9.4	9.6	9.7	9.8	10.0	10.1	10.3	10.4	10.6	
Sales change	-19.9 %	1.5 %	1.4 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %
EBIT	0.3	1.0	1.5	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	
EBIT-margin	3.1 %	11.6 %	16.5 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	
Tax rate (EBT)	30.0 %	30.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	
NOPAT	0.2	0.7	1.0	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	
Depreciation	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
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	-0.6	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
- 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	1.2 %	1.2 %	1.2 %	1.5 %	1.5 %	1.5 %	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)	1.0	0.9	1.3	1.5	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1
PV of FCF	1.0	0.8	1.0	1.1	0.9	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.4	5
share of PVs	19.86 %			46.37 %										33.77 %

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	8.25 %	Cyclicality	1.40
Risk free rate	2.75 %	Transparency	1.40
		Others	1.40
WACC	10.34 %	Beta	1.38

Valuation (m)

Present values 2033/34e	9		
Terminal Value	5		
Financial liabilities	0		
Pension liabilities	0		
Hybrid capital	0		
Minority interest	0		
Market val. of investments	94		
Liquidity	14	No. of shares (m)	2.3
Equity Value	122	Value per share (EUR)	52.35

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	11.3 %	51.66	51.69	51.73	51.77	51.81	51.86	51.91	1.56	11.3 %	51.34	51.49	51.63	51.77	51.91	52.06	52.20
1.47	10.8 %	51.91	51.95	52.00	52.05	52.10	52.15	52.20	1.47	10.8 %	51.60	51.75	51.90	52.05	52.20	52.35	52.50
1.43	10.6 %	52.05	52.09	52.14	52.19	52.25	52.31	52.37	1.43	10.6 %	51.73	51.89	52.04	52.19	52.35	52.50	52.65
1.38	10.3 %	52.19	52.24	52.29	52.35	52.41	52.47	52.54	1.38	10.3 %	51.88	52.03	52.19	52.35	52.51	52.67	52.82
1.33	10.1 %	52.34	52.40	52.45	52.52	52.58	52.65	52.72	1.33	10.1 %	52.03	52.19	52.35	52.52	52.68	52.84	53.00
1.29	9.8 %	52.50	52.56	52.62	52.69	52.76	52.84	52.92	1.29	9.8 %	52.19	52.36	52.52	52.69	52.86	53.02	53.19
1.20	9.3 %	52.85	52.92	53.00	53.07	53.16	53.25	53.35	1.20	9.3 %	52.54	52.72	52.90	53.07	53.25	53.43	53.60

- 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	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e	
Net Income before minorities	-1.0	-1.6	9.5	139.4	0.4	1.0	1.3	
+ Depreciation + Amortisation	0.3	0.4	0.3	0.2	0.4	0.4	0.4	
- Net Interest Income	0.3	1.0	8.1	145.3	0.4	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	-1.0	-2.2	1.7	-5.6	0.4	1.0	1.3	
FCF Potential Yield (on market EV)	-11.7 %	-22.6 %	8.4 %	39.9 %	0.9 %	2.1 %	2.9 %	
WACC	10.34 %	10.34 %	10.34 %	10.34 %	10.34 %	10.34 %	10.34 %	
= Enterprise Value (EV)	8.2	9.9	20.2	-14.0	47.3	46.2	44.7	
= Fair Enterprise Value	n.a.	n.a.	16.4	n.a.	4.3	9.5	12.3	
- Net Debt (Cash)	-143.1	-143.1	-143.1	-143.1	-20.5	-21.6	-23.1	
- 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.	159.5	n.a.	24.8	31.1	35.5	
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.	68.23	n.a.	10.60	13.31	15.18	
premium (-) / discount (+) in %					-63.4 %	-54.1 %	-47.7 %	
Sensitivity Fair value per Share (EUR)								
	13.34 %	n.a.	n.a.	66.66	n.a.	10.19	12.40	13.99
	12.34 %	n.a.	n.a.	67.10	n.a.	10.31	12.65	14.32
	11.34 %	n.a.	n.a.	67.61	n.a.	10.44	12.95	14.71
WACC	10.34 %	n.a.	n.a.	68.23	n.a.	10.60	13.31	15.18
	9.34 %	n.a.	n.a.	68.98	n.a.	10.80	13.75	15.74
	8.34 %	n.a.	n.a.	69.91	n.a.	11.05	14.29	16.44
	7.34 %	n.a.	n.a.	71.09	n.a.	11.36	14.98	17.34

Valuation	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e
Price / Book	1.2 x	2.2 x	1.2 x	0.9 x	2.7 x	2.6 x	2.5 x
Book value per share ex intangibles	2.63	1.72	6.83	63.57	10.72	11.13	11.67
EV / Sales	1.6 x	2.1 x	2.4 x	n.a.	5.3 x	5.1 x	4.9 x
EV / EBITDA	n.a.	n.a.	8.4 x	n.a.	74.6 x	33.0 x	23.9 x
EV / EBIT	n.a.	n.a.	9.5 x	n.a.	169.7 x	44.4 x	29.7 x
EV / EBIT adj.*	n.a.	n.a.	9.5 x	n.a.	169.7 x	44.4 x	29.7 x
P / FCF	n.a.	n.a.	6.1 x	n.a.	54.2 x	60.1 x	44.6 x
P / E	n.a.	n.a.	2.1 x	0.9 x	152.6 x	69.0 x	53.7 x
P / E adj.*	n.a.	n.a.	2.1 x	0.9 x	152.6 x	69.0 x	53.7 x
Dividend Yield	n.a.	15.0 %	33.7 %	n.a.	182.8 %	n.a.	n.a.
FCF Potential Yield (on market EV)	-11.7 %	-22.6 %	8.4 %	39.9 %	0.9 %	2.1 %	2.9 %

*Adjustments made for: -

Consolidated profit & loss

In EUR m	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e
Sales	5.3	4.7	8.5	11.1	8.9	9.0	9.1
Change Sales yoy	5.8 %	-11.1 %	82.0 %	30.3 %	-19.9 %	1.5 %	1.4 %
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	5.3	4.7	8.5	11.1	8.9	9.0	9.1
Material expenses	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Gross profit	5.3	4.5	8.5	11.1	8.9	9.0	9.1
<i>Gross profit margin</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>	<i>100.0 %</i>
Personnel expenses	2.6	2.9	2.7	3.4	3.5	3.4	3.2
Other operating income	0.5	0.5	0.3	0.5	0.9	0.5	0.5
Other operating expenses	4.6	5.1	3.7	10.2	5.6	4.7	4.6
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	-1.4	-3.1	2.4	-2.0	0.6	1.4	1.9
<i>Margin</i>	<i>-26.6 %</i>	<i>-66.6 %</i>	<i>28.4 %</i>	<i>-18.0 %</i>	<i>7.1 %</i>	<i>15.6 %</i>	<i>20.5 %</i>
Depreciation of fixed assets	0.3	0.4	0.3	0.2	0.4	0.4	0.4
EBITA	-1.7	-3.5	2.1	-2.2	0.3	1.0	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	-1.7	-3.5	2.1	-2.2	0.3	1.0	1.5
<i>Margin</i>	<i>-31.6 %</i>	<i>-74.3 %</i>	<i>25.0 %</i>	<i>-20.2 %</i>	<i>3.1 %</i>	<i>11.6 %</i>	<i>16.5 %</i>
EBIT adj.	-1.7	-3.5	2.1	-2.2	0.3	1.0	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)	0.6	1.2	8.1	145.3	0.5	0.5	0.5
EBT	-1.4	-2.5	10.2	143.0	0.6	1.4	1.9
<i>Margin</i>	<i>-26.8 %</i>	<i>-53.1 %</i>	<i>120.5 %</i>	<i>1291.3 %</i>	<i>7.1 %</i>	<i>15.4 %</i>	<i>20.3 %</i>
Total taxes	-0.4	-0.9	0.7	3.6	0.2	0.4	0.6
Net income from continuing operations	-1.0	-1.6	9.5	139.4	0.4	1.0	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	-1.0	-1.6	9.5	139.4	0.4	1.0	1.3
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	-1.0	-1.6	9.5	139.4	0.4	1.0	1.3
<i>Margin</i>	<i>-18.5 %</i>	<i>-34.7 %</i>	<i>112.0 %</i>	<i>1258.9 %</i>	<i>5.0 %</i>	<i>10.8 %</i>	<i>13.8 %</i>
Number of shares, average	2.3	2.3	2.3	2.3	2.3	2.3	2.3
EPS	-0.42	-0.69	4.07	59.65	0.19	0.42	0.54
EPS adj.	-0.42	-0.69	4.07	59.65	0.19	0.42	0.54

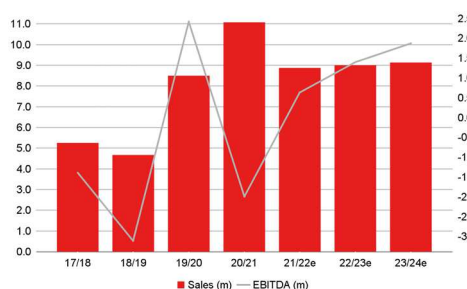
*Adjustments made for:

Guidance: Net income between EUR 0.2m and 1.3m

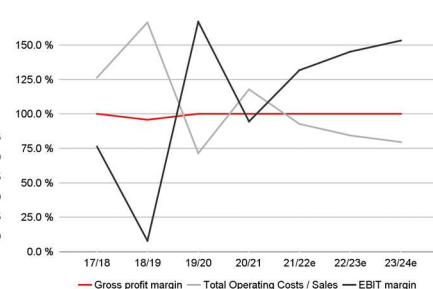
Financial Ratios

	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e
Total Operating Costs / Sales	126.6 %	166.6 %	71.6 %	118.0 %	92.9 %	84.4 %	79.5 %
Operating Leverage	38.4 x	-9.8 x	n.a.	n.a.	n.a.	185.7 x	30.8 x
EBITDA / Interest expenses	n.m.	n.m.	490.4 x	n.m.	n.a.	n.a.	n.a.
Tax rate (EBT)	31.0 %	34.7 %	7.1 %	2.5 %	30.0 %	30.0 %	32.0 %
Dividend Payout Ratio	0.0 %	n.m.	71.7 %	0.0 %	28145.1 %	0.0 %	0.0 %
Sales per Employee	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

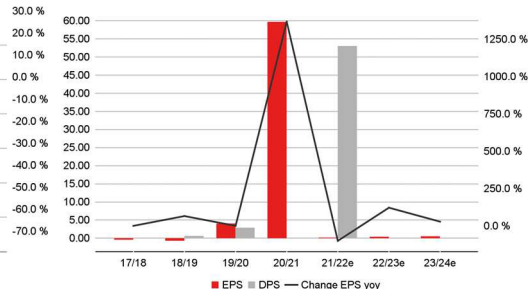
Sales, EBITDA in EUR m



Operating Performance in %



Performance per Share



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

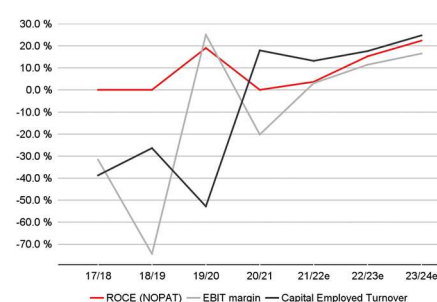
Consolidated balance sheet

In EUR m	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e
Assets							
Goodwill and other intangible assets	0.7	0.5	0.3	0.3	0.3	0.3	0.3
thereof other intangible assets	0.5	0.5	0.3	0.3	0.3	0.3	0.3
thereof Goodwill	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	0.4	0.3	0.2	0.4	0.1	-0.1	-0.4
Financial assets	0.6	2.5	9.4	5.6	5.5	5.5	5.4
Other long-term assets	0.3	0.3	1.3	0.0	0.0	0.0	0.0
Fixed assets	2.0	3.6	11.2	6.2	5.9	5.6	5.3
Inventories	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accounts receivable	5.4	1.9	7.7	4.2	3.6	3.7	3.7
Liquid assets	0.3	0.0	0.0	143.1	20.5	21.6	23.1
Other short-term assets	0.8	0.1	0.1	0.1	0.1	0.1	0.1
Current assets	6.4	2.0	7.9	147.4	24.2	25.4	26.9
Total Assets	8.4	5.6	19.1	153.6	30.1	31.0	32.3
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	1.4	1.4	-122.1	-121.1	-119.8
Other equity components	4.2	1.9	12.5	145.1	145.0	145.0	145.0
Shareholders' equity	6.8	4.5	16.3	148.9	25.3	26.3	27.6
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	6.8	4.5	16.3	148.9	25.3	26.3	27.6
Provisions	0.7	0.6	1.5	4.3	4.3	4.3	4.3
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	0.8	0.5	1.3	0.5	0.5	0.5	0.5
Liabilities	1.5	1.1	2.8	4.7	4.7	4.7	4.7
Total liabilities and shareholders' equity	8.4	5.6	19.1	153.6	30.1	31.0	32.3

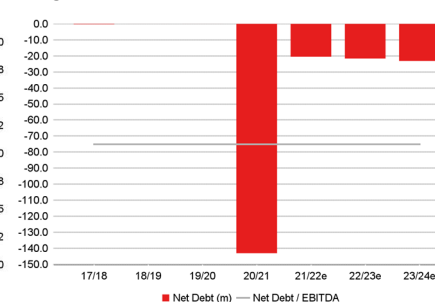
Financial Ratios

	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e
Efficiency of Capital Employment							
Operating Assets Turnover	0.9 x	2.1 x	1.1 x	2.4 x	2.4 x	2.5 x	2.8 x
Capital Employed Turnover	0.8 x	1.0 x	0.5 x	1.9 x	1.8 x	1.9 x	2.1 x
ROA	-47.8 %	-45.2 %	85.0 %	2240.7 %	7.4 %	17.3 %	23.8 %
Return on Capital							
ROCE (NOPAT)	n.a.	n.a.	19.1 %	n.a.	3.7 %	15.3 %	22.4 %
ROE	-15.5 %	-28.7 %	91.8 %	168.8 %	0.5 %	3.8 %	4.7 %
Adj. ROE	-15.5 %	-28.7 %	91.8 %	168.8 %	0.5 %	3.8 %	4.7 %
Balance sheet quality							
Net Debt	-0.3	0.0	0.0	-143.1	-20.5	-21.6	-23.1
Net Financial Debt	-0.3	0.0	0.0	-143.1	-20.5	-21.6	-23.1
Net Gearing	-3.8 %	-0.2 %	-0.1 %	-96.1 %	-80.9 %	-82.2 %	-83.9 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	2.9	1.9	7.0	63.7	10.8	11.3	11.8
Book value per share ex intangibles	2.6	1.7	6.8	63.6	10.7	11.1	11.7

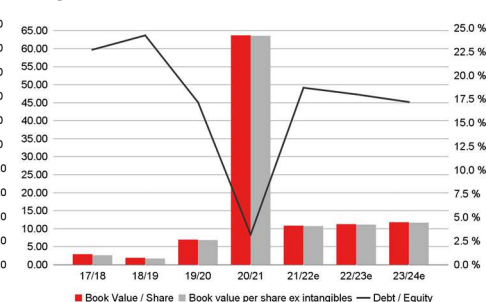
ROCE Development



Net debt in EUR m



Book Value per Share in EUR



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

Consolidated cash flow statement

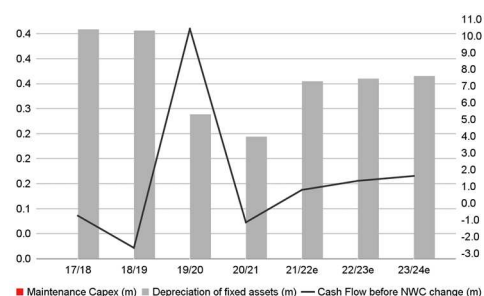
In EUR m	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e
Net income	-1.0	-1.6	9.5	139.4	0.4	1.0	1.3
Depreciation of fixed assets	0.5	0.5	0.3	0.2	0.4	0.4	0.4
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase/decrease in long-term provisions	-0.2	0.2	0.6	0.0	0.0	0.0	0.0
Other non-cash income and expenses	-0.1	-1.7	0.0	-140.8	0.0	0.0	0.0
Cash Flow before NWC change	-0.8	-2.7	10.4	-1.1	0.8	1.3	1.6
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	0.4	-0.1	-2.8	0.6	-0.1	0.0
Increase / decrease in accounts payable	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Increase / decrease in other working capital positions	0.4	-0.1	-6.9	-1.2	0.0	0.0	0.0
Increase / decrease in working capital (total)	0.6	0.7	-6.9	-4.0	0.6	-0.1	0.0
Net cash provided by operating activities [1]	-0.1	-2.0	3.5	-5.2	1.4	1.2	1.6
Investments in intangible assets	-0.5	-0.3	0.0	0.0	0.0	0.0	0.0
Investments in property, plant and equipment	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Payments for acquisitions	0.0	0.0	0.1	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net cash provided by investing activities [2]	-0.7	-0.4	-0.1	-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	-0.2	0.0	-2.1	0.0	-123.9	0.0	0.0
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	2.3	2.5	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
Net cash provided by financing activities [3]	2.1	2.5	-2.1	0.0	-123.9	0.0	0.0
Change in liquid funds [1]+[2]+[3]	1.3	0.1	1.4	-5.3	-122.6	1.1	1.5
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	1.3	0.1	2.0	-5.3	-122.6	2.4	3.9

Financial Ratios

	2017/18	2018/19	2019/20	2020/21	2021/22e	2022/23e	2023/24e
Cash Flow							
FCF	-0.9	-2.4	3.3	-5.3	1.3	1.1	1.5
Free Cash Flow / Sales	-16.2 %	-50.8 %	39.2 %	-47.8 %	14.1 %	12.5 %	16.6 %
Free Cash Flow Potential	-1.0	-2.2	1.7	-5.6	0.4	1.0	1.3
Free Cash Flow / Net Profit	87.8 %	146.3 %	35.0 %	-3.8 %	284.2 %	115.9 %	120.6 %
Interest Received / Avg. Cash	0.1 %	0.5 %	33.3 %	0.0 %	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	13.7 %	8.6 %	1.2 %	1.0 %	1.2 %	1.2 %	1.2 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	274.0 %	111.6 %	36.8 %	43.4 %	29.8 %	29.4 %	29.0 %
Avg. Working Capital / Sales	94.6 %	77.8 %	56.5 %	53.5 %	43.7 %	40.5 %	40.5 %
Trade Debtors / Trade Creditors	34370.0 %	103903.5 %	22554.0 %	n.a.	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)	373	149	332	137	148	150	148
Payables payment period (days)	n.a.	3	n.a.	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.

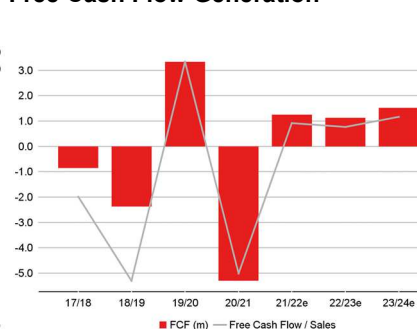
CAPEX and Cash Flow

in EUR m



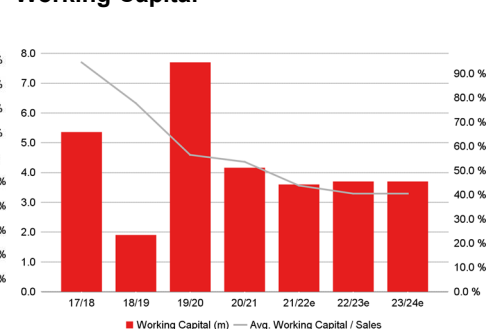
Source: Warburg Research

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	161	75
Hold	46	21
Sell	4	2
Rating suspended	4	2
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	48	83
Hold	8	14
Sell	0	0
Rating suspended	2	3
Total	58	100

PRICE AND RATING HISTORY SINO AS OF 06.09.2022



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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