



Switzerland



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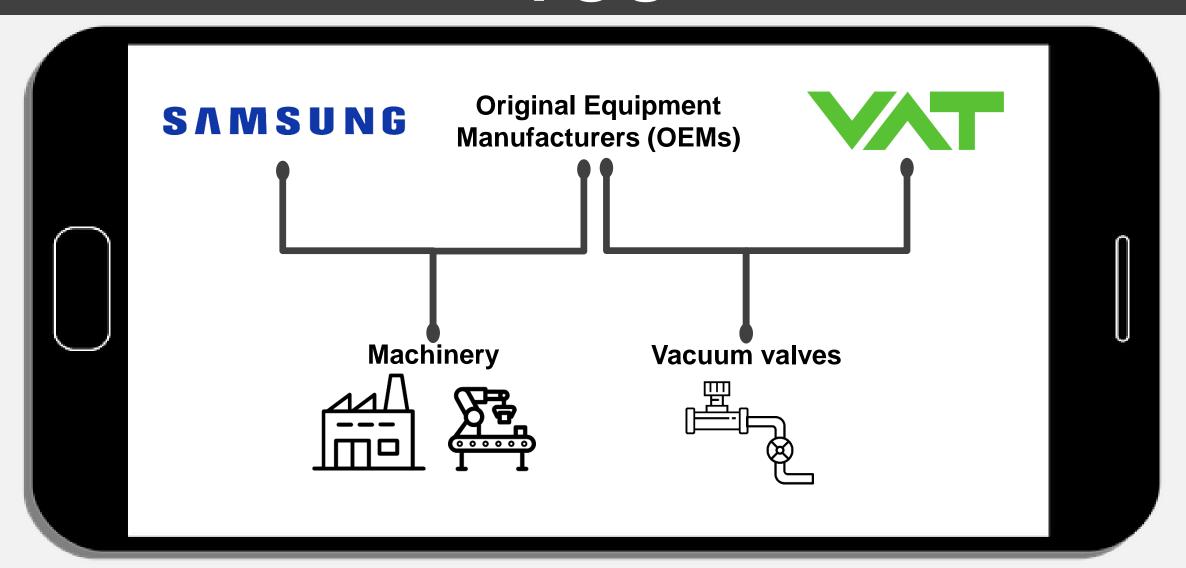


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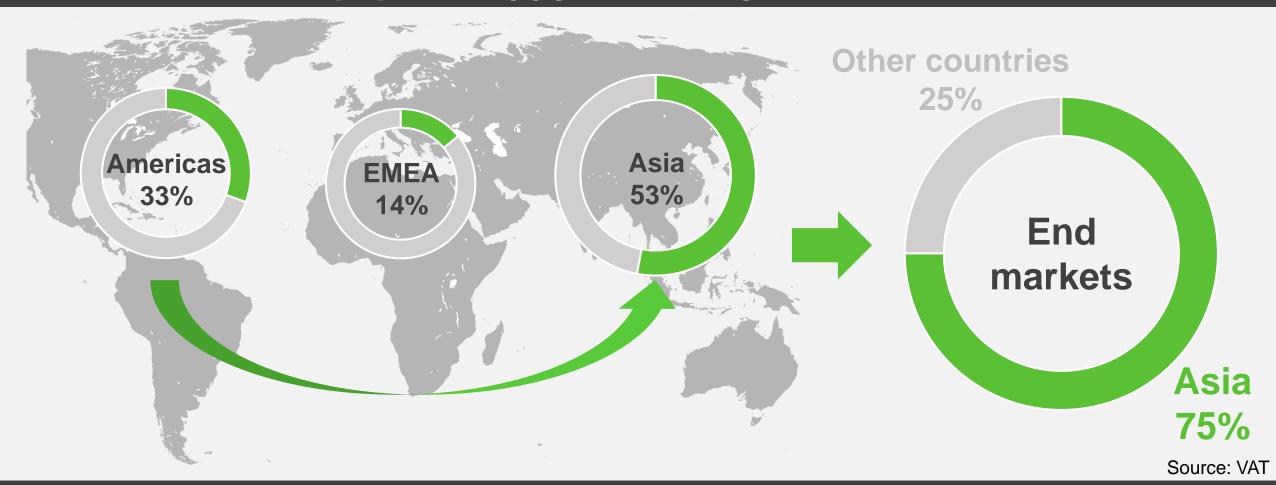


YOU



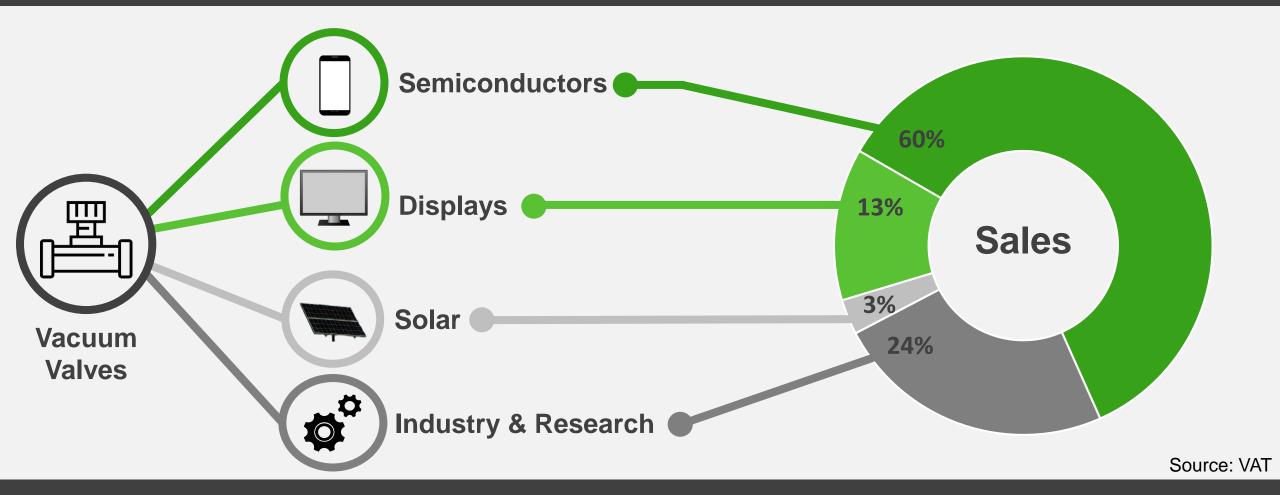


GLOBAL VACUUM VALVE PURE-PLAYER



Geographical markets

GLOBAL VACUUM VALVE PURE-PLAYER



Market segments

BUY

Recommendation

CHF 158 Closing price April 13th, 2018











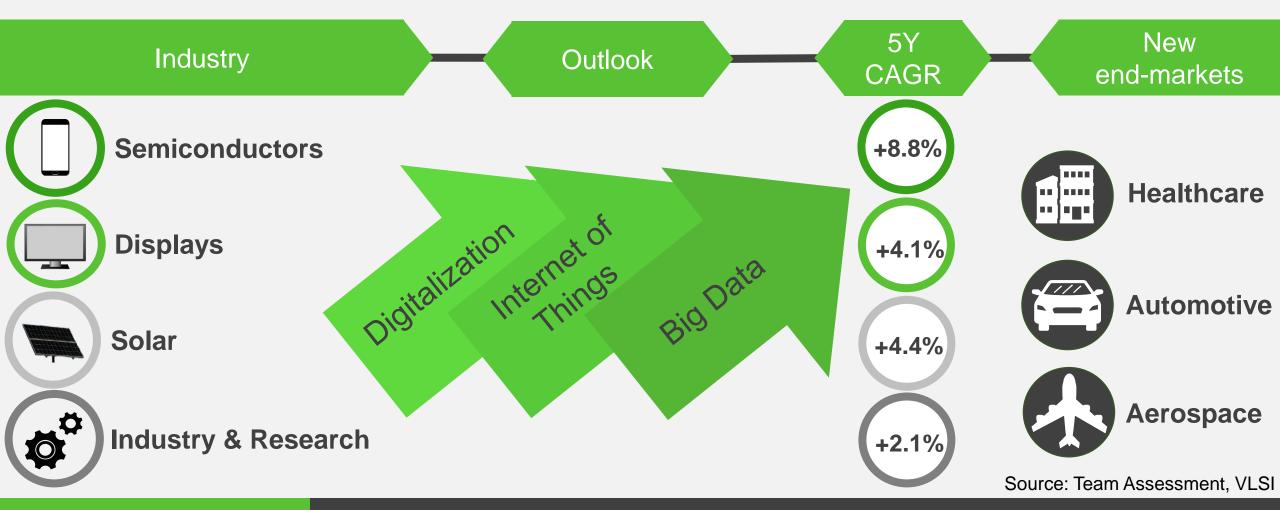
End market growth

Strong competitive position

High cashflow generation

Upside potential & limited risk

Mega trends drive end market growth



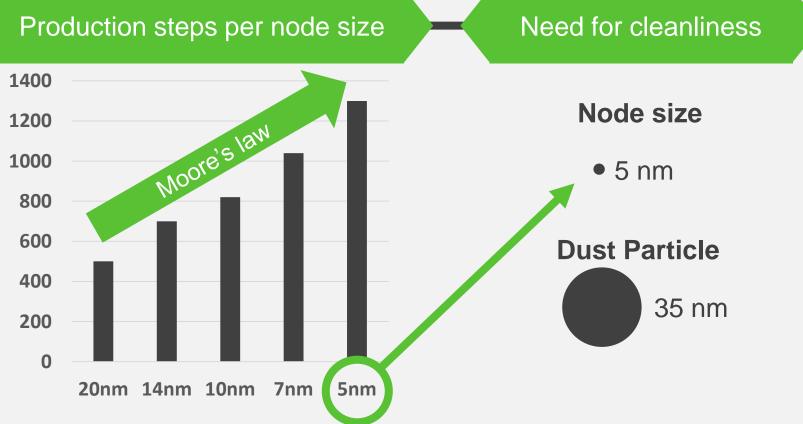








Vacuum processing becomes more essential



Sales percentage of vacuum equipment



Source: VLSI, Team Assessment











Chinese R&D expansion benefits VAT

% of total world **supply** in semiconductor components

Other countries

Supply Today

China

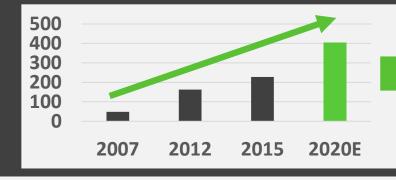
VS T % of total world <u>demand</u> in semiconductor components

Other countries

Demand 2019

China

Chinese R&D spending in the technological sector (USD Bn)







Source: PWC, McKinsey





Strong competitive position



High cashflow generation

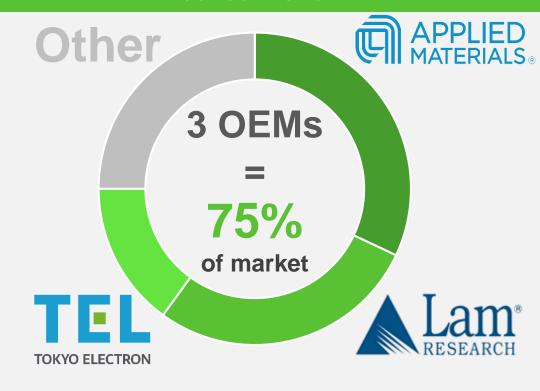


End clients buy from 3 key equipment manufacturers

Global capex in the semiconductor industry (USD Bn)



Semiconductor equipment supplier market concentration



Source: VLSI, Statista

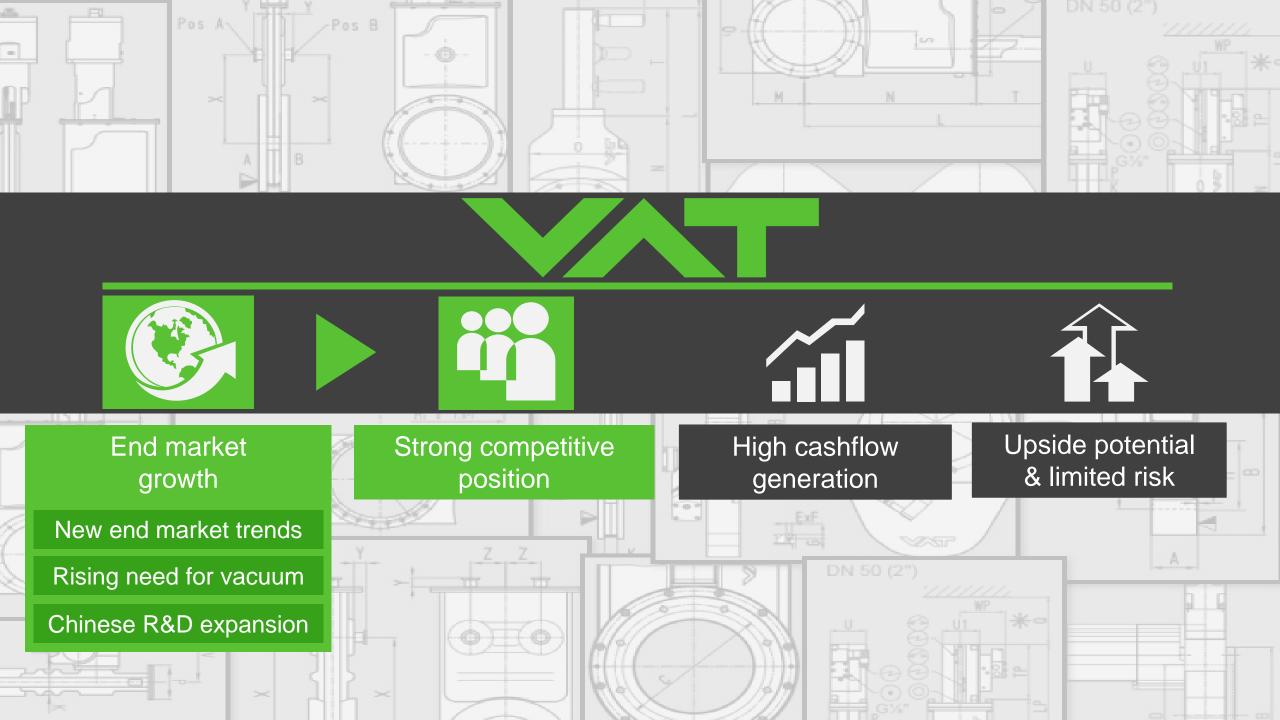




Strong competitive position







Solidified place in the value chain



3 key customers



50% of VAT's net sales



>100 suppliers

TOP 3
Suppliers



of material expenses

VS

Low rivalry



16%

combined marketshare

Source: VLSI, VAT









Market leader with growing market share



Source: VLSI, VAT, Team Assessment

Relative size Innovation





main semiconductor market

Strong competitive position



Global reach



Focus

InnoVATion





■ VAT Group AG

■ Competitor Average



20%

of workforce engaged in R&D



2-3 years

average development cycle



High barriers to entry



Strong patent portfolio

~170 granted patents

~170 pending patents



Sales generation

~25% of sales generated from products developed in the past 3 years

Source: Thomson Reuters, VAT, Team Assessment



End market growth

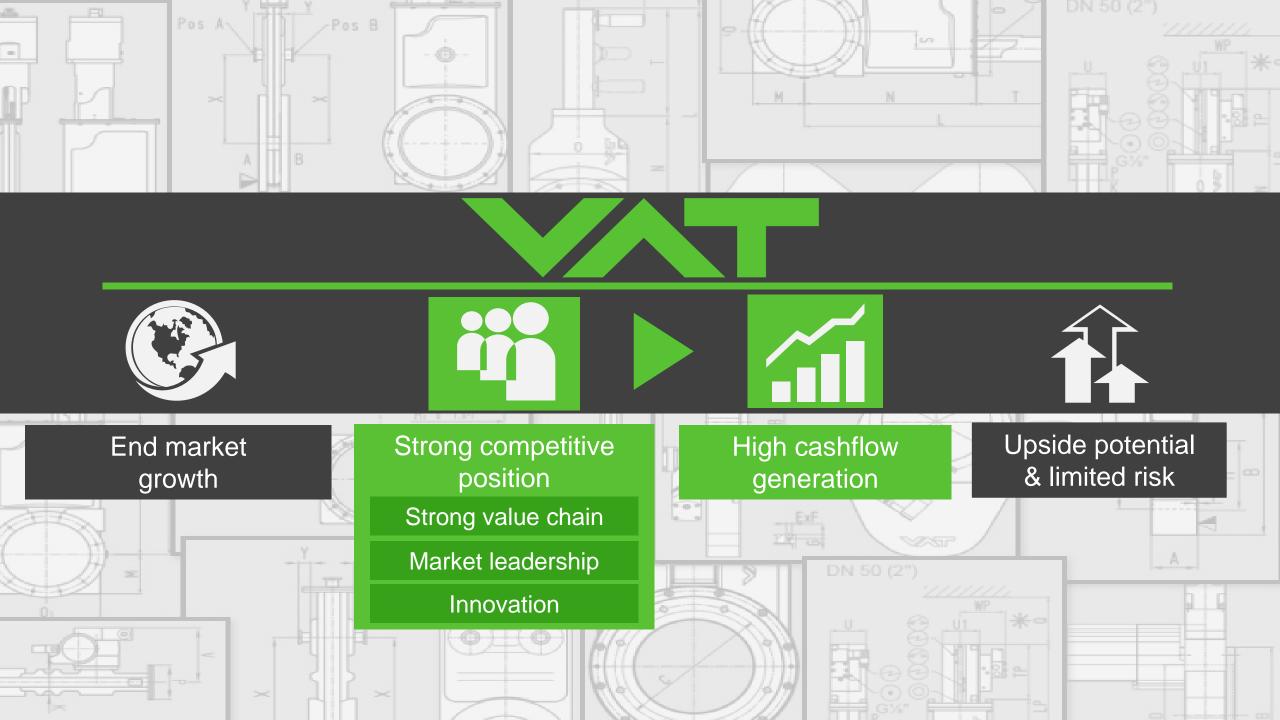


Strong competitive position



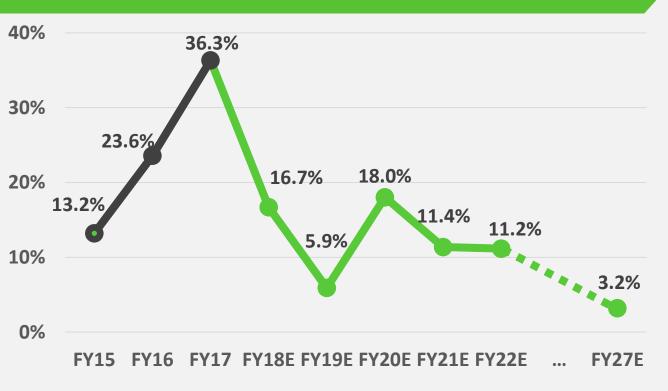
High cashflow generation





High revenue growth through increasing volumes

Revenue growth forecast



Source: VLSI, Team Assessment



Growth drivers



Volume effect

- Growing end-markets
- Opportunities in new markets
- Market share gains



Pricing liberty

- Complexity in the product
- Reliance on VAT
- Ability to pass on FX and raw material price fluctuations



End market growth



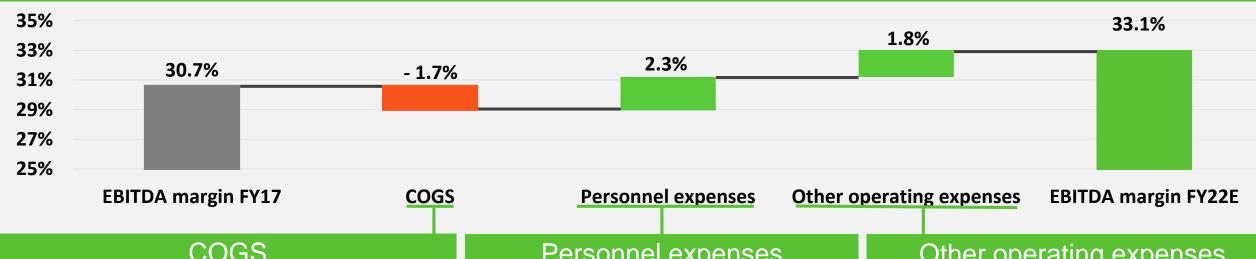
Strong competitive position





Outsourcing and cost efficiency drive margins up

EBITDA margin bridge FY17 - FY22E



COGS

Outsourcing affects COGS negatively: Suppliers increase their prices to take into account the depreciation of machinery

End market

growth

Personnel expenses

Outsourcing affects personnel expenses positively: Provides flexibility to adjust

capacity

Other operating expenses

VATmotion program:

Global sourcing and material planning

Source: Team Assessment, VAT

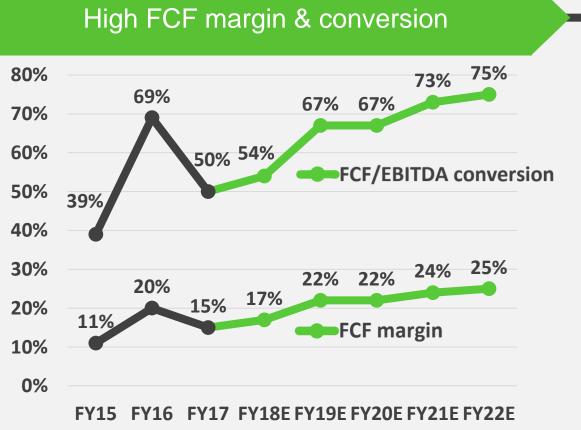


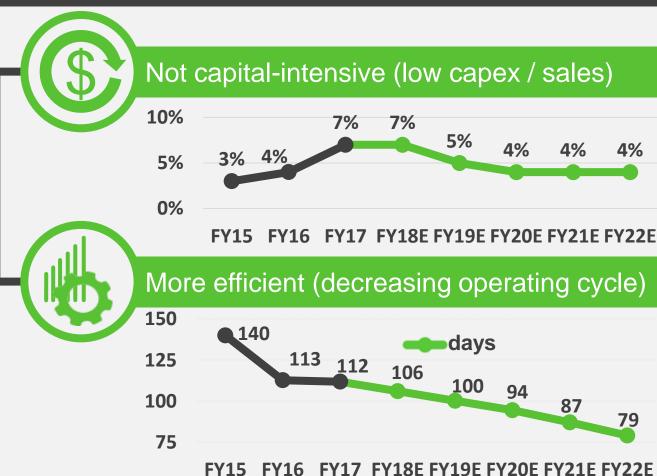
Strong competitive position





High FCF generation via strong operating performance





Source: Thomson Reuters, VAT, Team Assessment





Strong competitive position





VAT above peers



Source: Thomson Reuters, Team Assessment



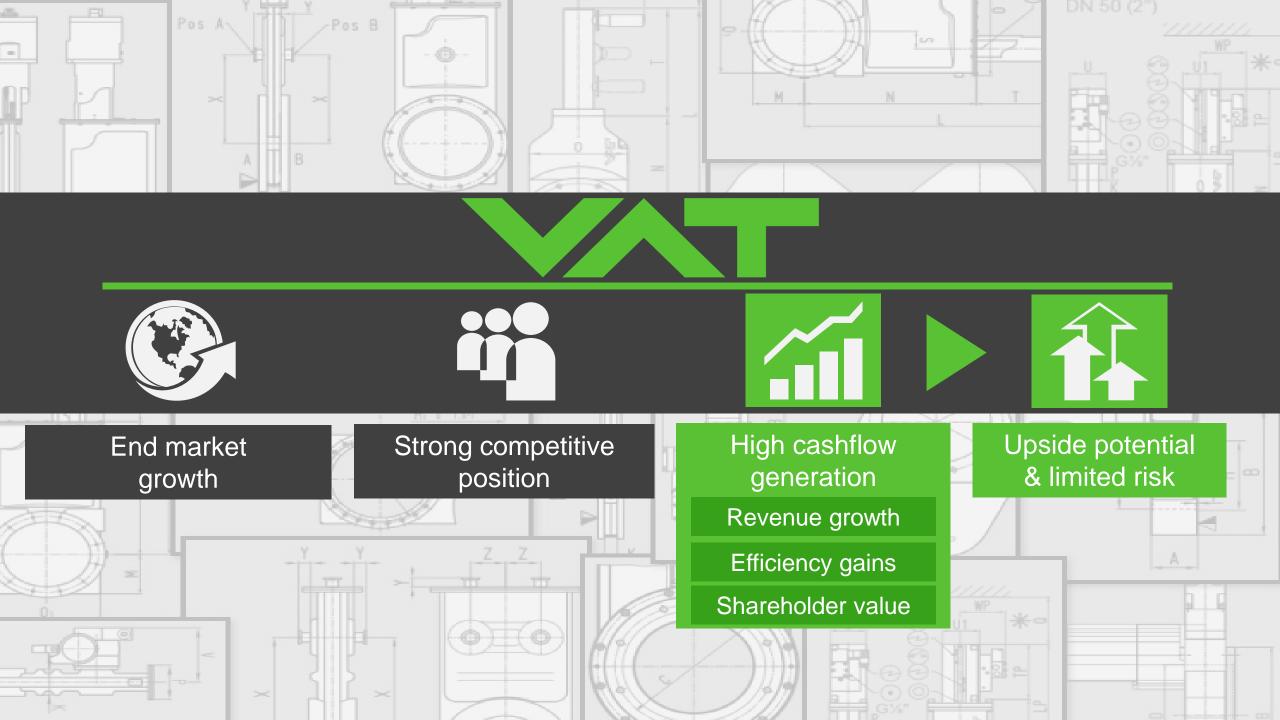
growth







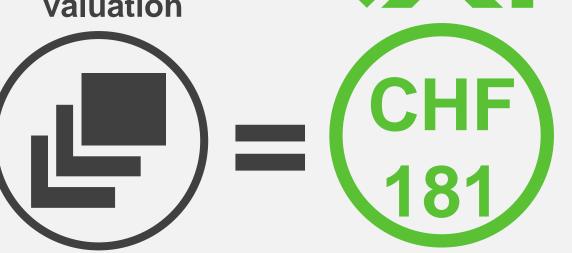




VAT is a good investment

Discounted free cash flow to firm

Multiple valuation



Blended target price BUY



Upside potential

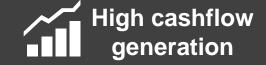
Source: Team Assessment

75%

25%









DCF yields positive upside

DCF TARGET: CHF 182

Cost of debt Cost of equity WACC Terminal growth 9.8% 9.4% 3.2%

WACC

Terminal Growth (2027E)

	8.4%	8.9%	9.4%	9.9%	10.4%
4.2%	68%	49%	34%	22%	11%
3.7%	52%	44%	24%	18%	4%
3.2%	39%	32%	15%	10%	-2%
2.7%	29%	23%	9%	1%	-7%
2.2%	20%	14%	2%	-3%	-11%

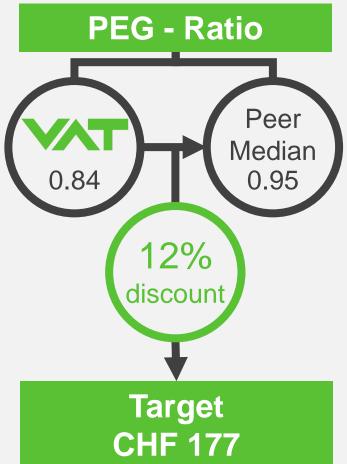
Source: Team Assessment







VAT trades at a discount to peers

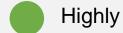


End market

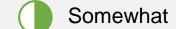
growth

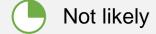
Peers	Size (EV)	Line of business	Revenue CAGR	EBITDA margin	Total Leverage	Dividend Yield
SMC						
TOKYO ELECTRON						
+GF+						
PFEIFFER VACUUM						
œrlikon						
Lam*						
CKD						
PHOENIX MECANO						
APPLIED MATERIALS.						
amu						
• mks						
EUCHER CO.						
PINFICON						

Comparability









Not at all

Source: Thomson Reuters, Team Assessment



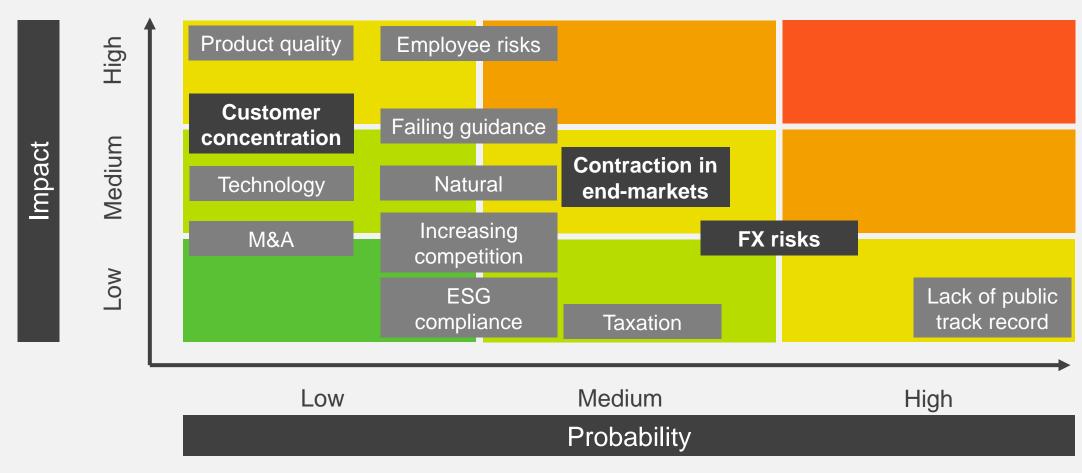








No high-probability, high-impact risk



Source: Team Assessment





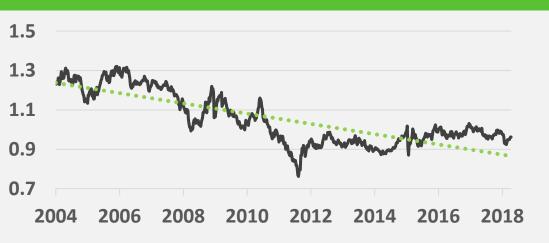
Strong competitive position





Swiss Franc appreciation

CHF per USD – Exchange rate

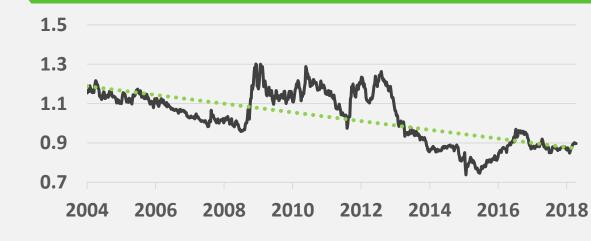


Effect on Swiss manufacturing companies

47 %
Significant negative effects
34%

Moderate negative effects

CHF per JPY 100 – Exchange rate



Main concern

Lower profit margins (in 90% of cases)

Source: Datastream, IMF



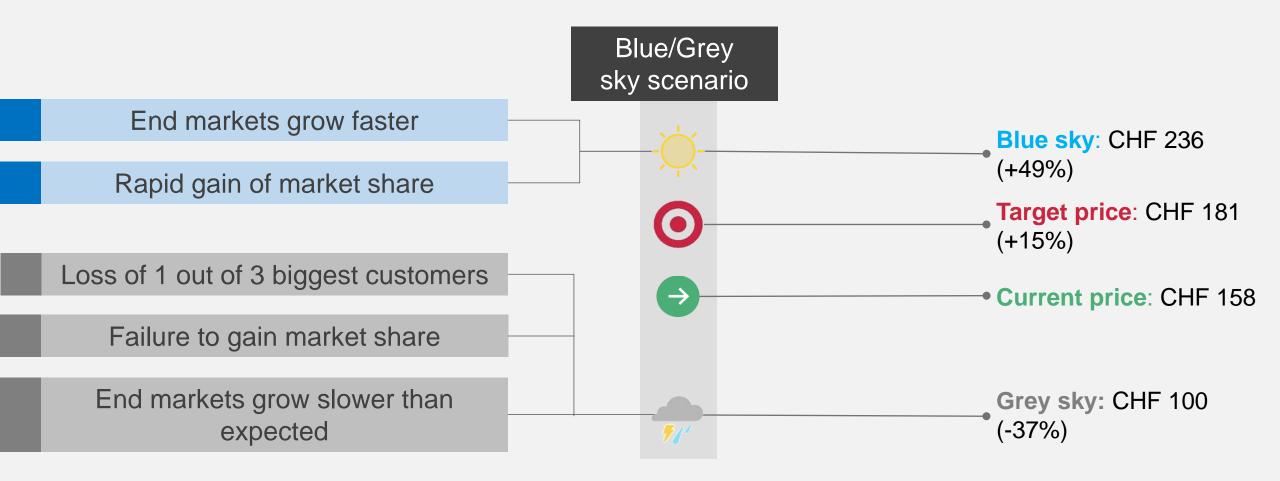


Strong competitive position





Sensitivity analysis shows limited downside



Source: Team Assessment











BUY-

CHF 280 CHF 250 CHF 220 CHF 190 CHF 160 CHF 130 CHF 100 CHF 70 CHF 40

Target price CHF 181 (+15%)







Apr-2016 Sep-2016 Jan-2017 Jun-2017 Nov-2017 Apr-2018



End market growth

New end market trends

Rising need for vacuum

Chinese R&D expansion

Strong competitive position

Strong value chain

Market leadership

Innovation

High cashflow generation

Revenue growth

Efficiency gains

Shareholder value

Upside potential & limited risk

Blended approach

Attractive upside

Limited downside