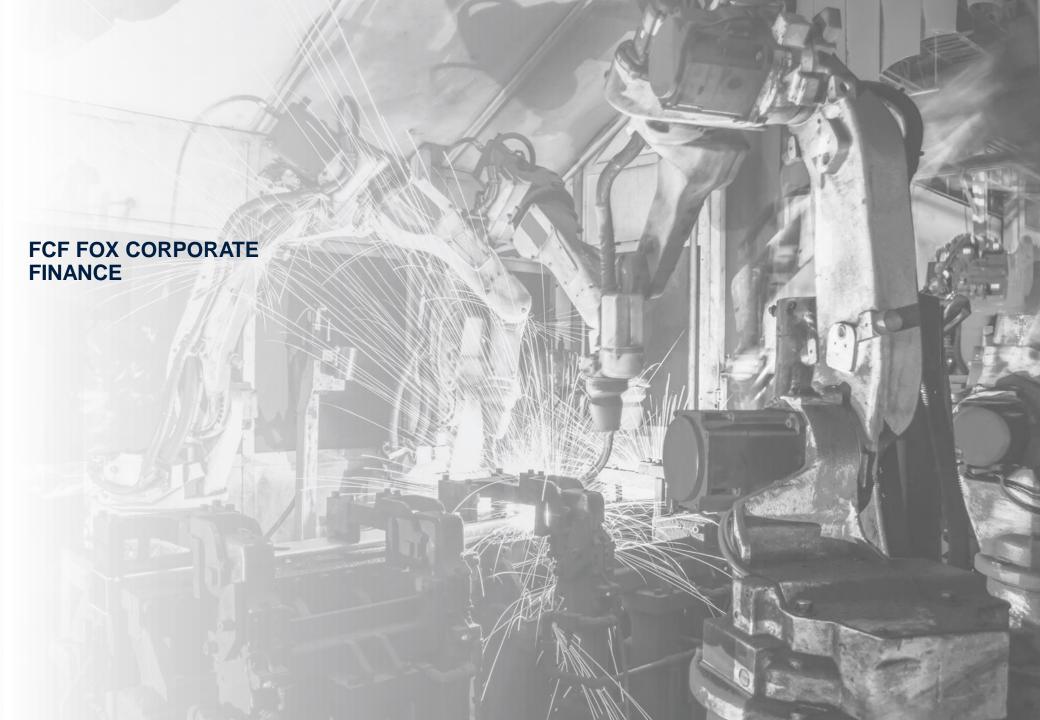
FCF SmallCap / MidCap Research Series

FCF Industrial Machinery Market Study

Last Update: April 2023





# FCF Fox Corporate Finance

Overview

### FCF seeks to provide its clients with financing solutions

- (i) at the lowest cost,
- (ii) with the highest flexibility,
- (iii) in the shortest period of time,
- (iv) with the highest closing probability, and with
- (v) financing partners that integrate well into their strategy

### Who We Are

- Specialized Investment Bank and Financing Specialist
- Advising public and private small- / midcap companies
- Advisor for structuring and placement of financing transactions:
  - All instruments: Unbiased approach to all available corporate financing instruments (no product selling approach), allowing for customized financing structures
  - All investors: Close and trusted relationships with senior executives of virtually all relevant equity and debt investors
  - Fast process: Process management skills and direct / personal access to institutional debt and equity investors enable fast transactions
- More than 150 transactions with a total placement volume in excess of EUR 5.0 billion since foundation in 2005
- More than 15 professionals headquartered in Munich

λ	Private / Pre-IPO	<ul><li>Venture capital</li><li>Growth capital</li></ul>	•	Private equity
Equity	Public	<ul> <li>Initial Public Offering (IPO) / Capital increase</li> <li>Dual-track (IPO and alternative transaction</li> </ul>	•	pursued in tandem) Private investment in Public Equity (PIPE) Block trade
	Short-term Debt	<ul> <li>Receivables / Factoring / Asset-backed securities</li> <li>Borrowing base / Inventory</li> </ul>	•	Working capital / Revolving credit facility Guarantees / Letter of credit
Debt	Long-term Debt	<ul> <li>Bank loan facility / Syndicated loans</li> <li>Sale-and-lease-back / Leasing</li> <li>Corporate bonds (public / private placement)</li> <li>High yield / PIK bond</li> </ul>	•	
	Hybrid	<ul> <li>Mezzanine capital</li> </ul>	•	Convertible bonds

**Capital Markets Capabilities and Services** 

### **Selected Transactions**

Capital Increase	M&A (Sell-Side)	M&A (Sell-Side)	M&A (Sell-Side)	European Investment Bank Debt Facility	Financial Advisory	Syndicated Loan	Working Capital Facility	Software-Leasing Facility	Interest Rate Hedging	European Investment Bank Debt Facility	Factoring Facility
	ENERGIE	*PMG		>>> German >>>> Bionic	MITTELDEUTSCHE AIRPORT HOLDING	ante	$\mathbf{K} \mathbf{K} \mathbf{A} $ partners	[confidential]	MITTELDEUTSCHE AIRPORT HOLDING		FRANKENGUSS SACHSENGUSS
aerofoils GmbH	Energieinsel	PMG Projektraum Management GmbH	SER / RUZ Group	German Bionic Systems GmbH	Mitteldeutsche Flughafen AG	ante Holding GmbH & Co. KG	KKA Management GmbH	Leading Global Device-as-a-Service Company	Mitteldeutsche Flughafen AG	Evum Motors GmbH	JORA Holding GmbH & Co. KG
[confidential]	[confidential]	[confidential]	[confidential]	EUR 15m	[confidential]	[confidential]	EUR 7m	EUR 10m	EUR 150m	> EUR 12m	EUR 25m
March 2023	March 2023	March 2023	February 2023	December 2022	December 2022	December 2022	November 2022	October 2022	October 2022	September 2022	September 2022
Equity Transaction – Joint Venture with Family Office	Acquisition Loan and Working Capital Facility	Acquisition Loan Facility	European Investment Bank Debt Facility	Syndicated Loan	Syndicated Loan	Syndicated Loan	Syndicated Loan, Factoring, Real Estate Sale & Lease-Back	Venture Financing	Syndicated Loan	Transaction Advisory	Syndicated Loan
Doppstadt	Bencis	Lloyd Fonds AG		CHNELLECKE		[confidential]	[confidential]	Precisis	ZIEGLER GROUP"	wismar pellets	۸
Doppstadt Group	Bencis	Lloyd Fonds AG	numares AG	Schnellecke Logistics SE	KWD Automotive AG & Co. KG	Top 25 Pharmaceutical Company	Top 10 German Food Company	Precisis AG	Ziegler Holzindustrie GmbH & Co. KG	Wismar Pellets Group	Asamer Baustoffe AG
> EUR 50m	> EUR 20m	[confidential]	EUR 20m	EUR 70m	EUR 70m	EUR 80m	EUR 85m	EUR 20m	EUR 230m	[confidential]	EUR 80m
September 2022	May 2022	April 2022	February 2022	December 2021	December 2021	November 2021	October 2021	September 2021	August 2021	2022	May 2021

#### 3

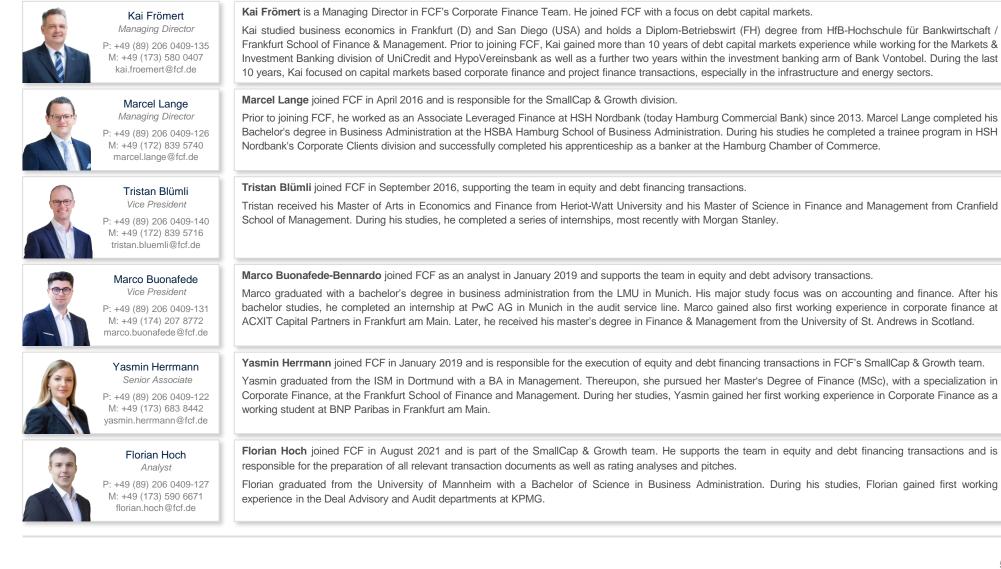






# FCF Fox Corporate Finance

SmallCap / MidCap Team





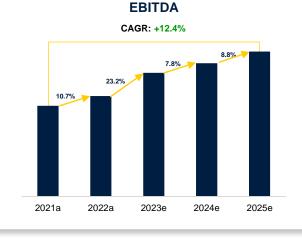


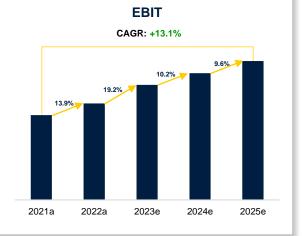
Executive Summary FCF Industrial Machinery Market at a Glance

Growth Indicators	Margins	Valuation		<b>Credit Statistics</b>	
Revenue (Y-o-Y)	EBITDA Margin	EV / EBITDA	Net Leverage	Interest Cover Ratio	Rating
'21-'22 '22-'23e	2021 2022 2023e	2021 2022 LTM	2021 2022 LTM	2021 2022 LTM	2021 2022 LTM
17.8% 🎽 5.7%	13.9% <sup>№</sup> 13.1% <b>₹</b> 15.3%	13.9x 10.6x 11.7x	1.5x 🔻 1.8x 🛛 1.4x	31.2x 🗯 29.6x 🛛 37.2x	BXX+ BXX+ BXX+
EBITDA (Y-o-Y)	EBIT Margin			Current Loan-to-Value	
'21-'22 '22-'23e	2021 2022 2023e			2021 2022 LTM	
10.7% 🔻 23.2%	10.3% 10.0% 11.3%			6.4% 🔻 7.2% 7.2%	
EBIT (Y-o-Y)		EV / EBIT	Equity Ratio	Non-Current Loan-to-Value	WACC
'21-'22 '22-'23e		2021 2022 LTM	2021 2022 LTM	2021 2022 LTM	2021 2022 LTM
13.9% 🔻 19.2%		20.3x 🗙 13.9x 15.6x	47.7% 🗲 45.1% 45.1%	35.6% 🖊 42.9% 42.9%	7.0% 🛸 6.5% 6.5%









Source: PitchBook as of 19/04/2023, S&P Capital IQ as of 19/04/2023, FCF Equity Research

Note: Numbers above represent statistics only where data was available; multiples displayed as medians unless noted otherwise



### Executive Summary

FCF Industrial Machinery Market Study Overview

The FCF Industrial Machinery Market Study is a standardized report / analysis of public European industrial machinery producers and manufacturers and provides valuable industry and competitive intelligence

More advanced, detailed and / or customized reports are available upon request

#### FCF Industrial Machinery Market Study

is a comprehensive publication of European industrial machinery producers. The analysis includes:

- Market Fundamentals: Development of key P&L metrics (revenue, EBITDA, EBIT) and profitability metrics (EBITDA-/ EBIT margin)
- Market Valuation: Development of valuation multiples (EV / EBITDA, EV / EBIT)
- Credit Statistics: Development of relevant credit metrics (net leverage ratio, equity ratio, EBITDA interest cover ratio and loanto-value ratios), market rating and implied cost of capital (WACC)
- Private Equity and Mergers & Acquisitions: Development of deal volume and deal count

#### Selection of Companies

The selection of companies is primarily based on the following criteria:

- Industry classification: Industrial machinery
- Company status: Operating
- Ownership: Public, listed
- Geography (HQ / exchange country): Europe, excl. Russia
- Total revenues (last FY): EUR 50m EUR 10,000m
- Total revenues (FY 2023e-2025e): Data available
- Market capitalization: >EUR 0
- Free float: >15%

#### Recipients

The FCF Industrial Machinery Market Study targets a wide audience, which includes:

Executives

- Equity / debt investors
- Key personnel in corporate development / financing unit
- Shareholders

and provides in-depth and complete financial insights that highlight key trends within the European industrial machinery producer market

#### Data

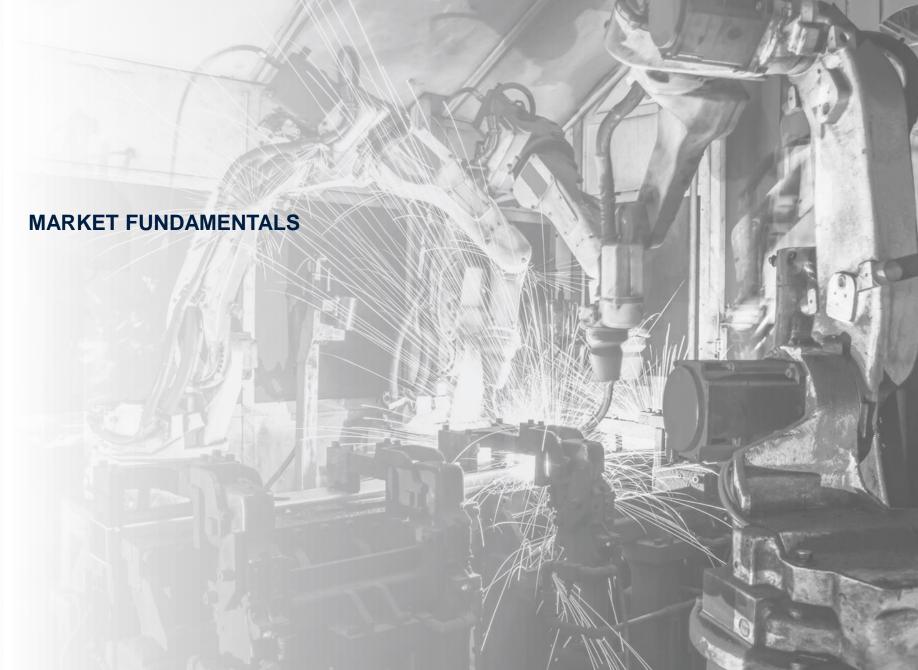
All input data is provided by S&P Capital IQ and is not independently verified by FCF. Ratio and multiple calculations are driven based on the input data available. For additional information and disclaimer, please refer to the last page

#### **Availability**

The FCF Industrial Machinery Market Study is available on FCF's website at "www.fcf.de"

To recommend colleagues or fellow investors to be added to the mailing list, kindly send an email with the respective contact information

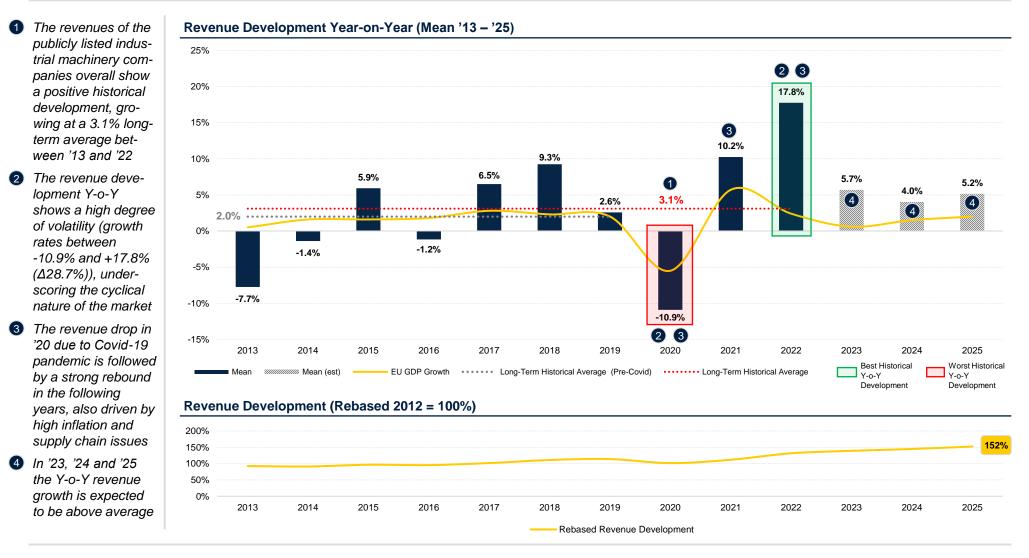
More advanced, detailed and / or customized reports can be ordered individually (e.g. for board reporting, strategy and competition analysis purposes)





## Market Fundamentals

Historical & Forecasted Revenue Development (Current Market Expectations)





2

(3)

### Market Fundamentals

Historical & Forecasted EBITDA Development (Current Market Expectations)

The EBITDAs of the EBITDA Development Year-on-Year (Mean '13 - '25) publicly listed indus-2.3 40% trial machinery companies overall show 32.9% a positive historical 30% development, growing at a 4.5% long-23.2% term average bet-(4)20% ween '13 and '22 3 The EBITDA devel-10.7% 8.8% opment shows a 8.6% 7.8% 10% 7.7% 1 higher degree of 5.0% 5.4% 4.5% (4) (4 volatility compared . . . . . . . . . . . 2.0% 0.3% to revenue (growth 0% rates between -12.7% and +32.9% -3.4% (Δ45.6%)), high--10% -9.5% lighting the high pro--12.7% portion of fixed costs 23 which can not be -20% 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 adjusted quickly Worst Historical **Best Historical** ..... Long-Term Historical Average (Pre-Covid) ······ Long-Term Historical Average Mean Mean (est) EBITDA increased Y-o-Y Y-o-Y Development Development by 10.7% in '22. EBITDA Development (Rebased 2012 = 100%) after already a strong rebound in '21 250% 211% 200% 4 The expected 150% EBITDA arowth in 100% '23. '24 and '25 50% suggests an ongoing 0% 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 positive development and pricing power Rebased EBITDA Development



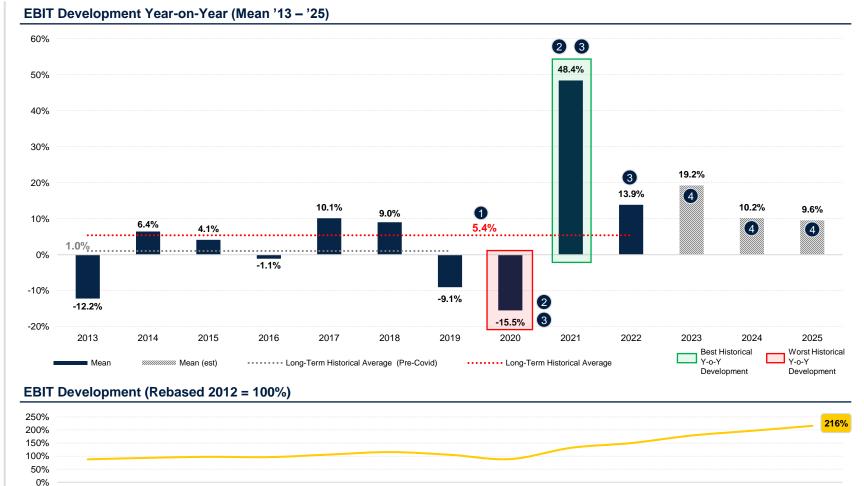
### Market Fundamentals

Historical & Forecasted EBIT Development (Current Market Expectations)

The EBITs of the publicly listed industrial machinery companies overall show a positive historical development, growing at a 5.4% longterm average between '13 and '22

2 The EBIT development shows a higher degree of volatility compared to revenue and EBITDA (growth rates between -15.5% and +48.4% (Δ63.9%)), underscoring the high level of CAPEX investments and resulting fixed depreciation in the industry

- 3 EBIT in '21 and '22 increased sharply post-Covid '19
- The expected EBIT growth in '23, '24 and '25 suggests an ongoing positive development



2013

2014

2015

2016

2017

2018

2019

Rebased EBIT Development

2020

2021

2022

2023

2024

2025



### Market Fundamentals

EBITDA Margin (Mean '13 - '25)

Historical EBITDA / EBIT Margin Development

The industrial machinery market is characterized by a high degree of competition, which is reflected in overall lower margins (compared to other industries)

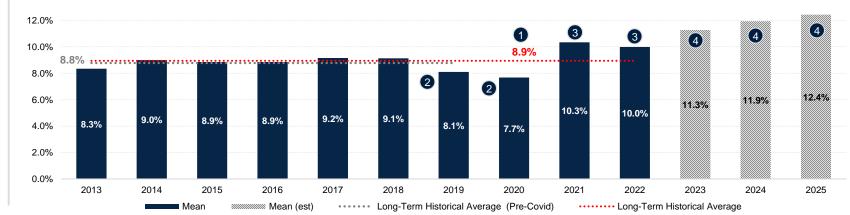
 The long-term ('13 – '22) average EBITDA & EBIT margin is 12.4% and 8.9%, respectively

2 General market challenges and the global Covid-19 pandemic have led to a decline in EBITDA / EBIT margins in '19 and '20

- 3 The recovery in '21 and '22 has led to margins above the historic long-term average
- 4 Strong demand in the sector is expected to allow for even higher margins in the coming years



### EBIT Margin (Mean '13 - '25)

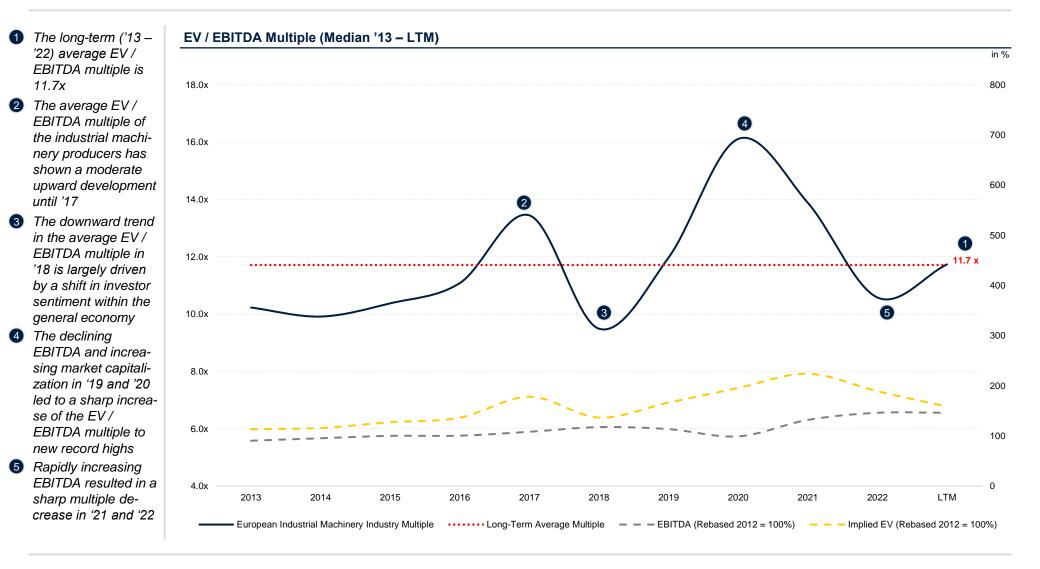


14.0%





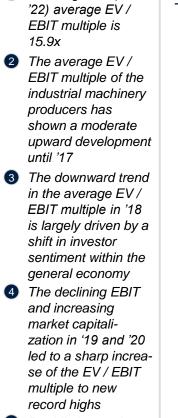
### Market Valuation Historical EV / EBITDA Development



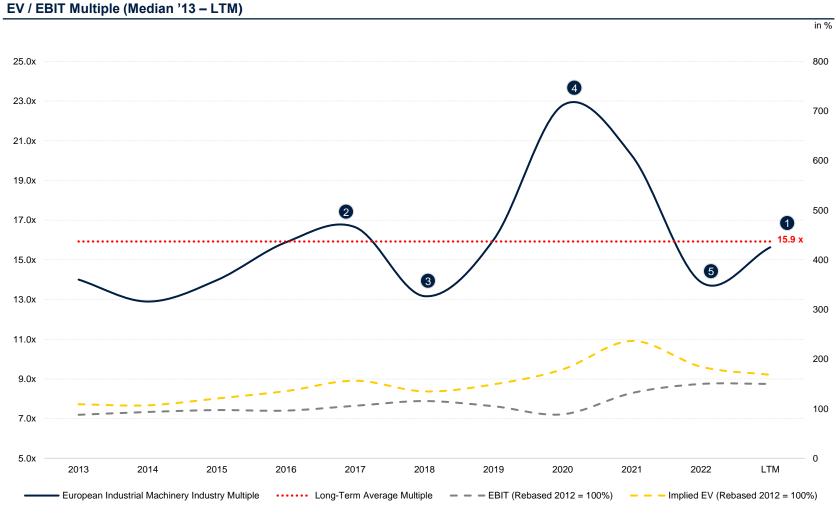


1 The long-term ('13 –

### Market Valuation Historical EV / EBIT Development



S Rapidly increasing EBIT resulted in a sharp multiple decrease in '21 and '22

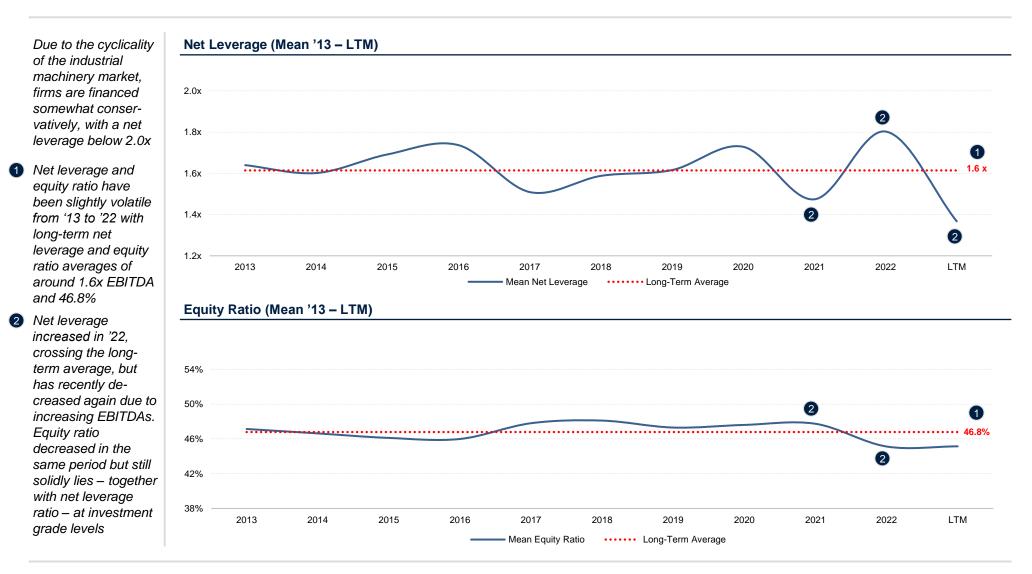






### **Credit Statistics**

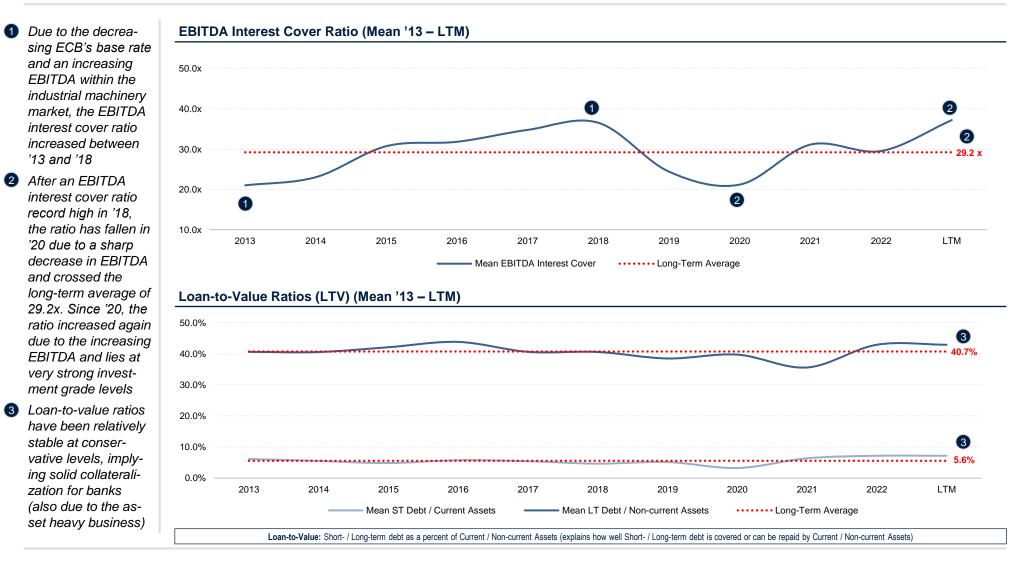
Historical Net Leverage / Equity Ratio Development





### **Credit Statistics**

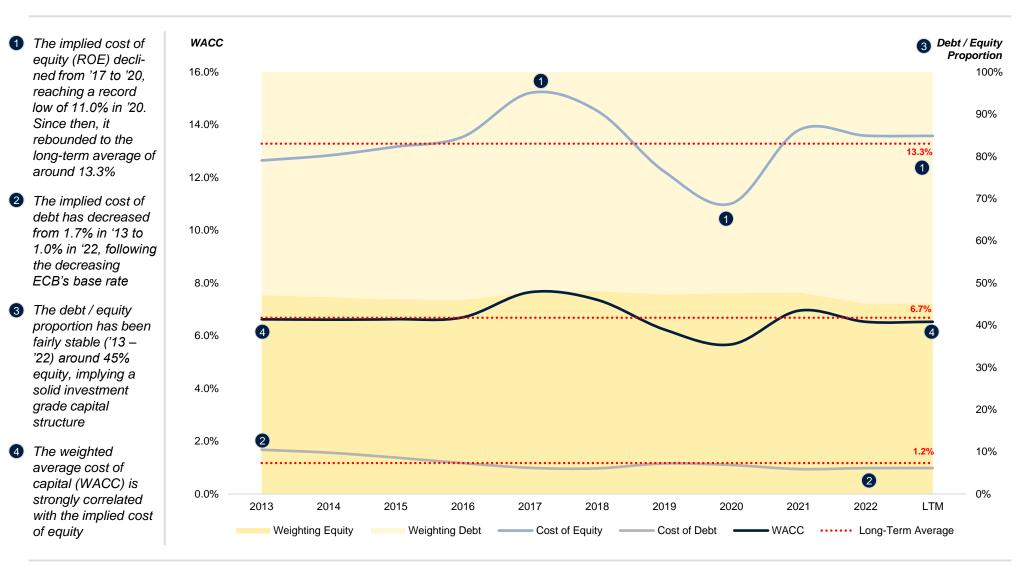
Historical EBITDA interest Cover Ratio / Loan-to-Value Ratios Development





### **Credit Statistics**

Historical Implied Cost of Capital / WACC Analysis

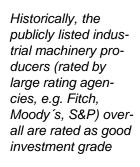


Source: S&P Capital IQ as of 19/04/2023

Note: Implied cost of equity based on annual return on equity values (the actual cost of equity to the firm); implied cost of debt based on annual interest expenses as reported (including financial lease expenses and other components of interest expenses) as a proportion of total liabilities (implied interest rate)

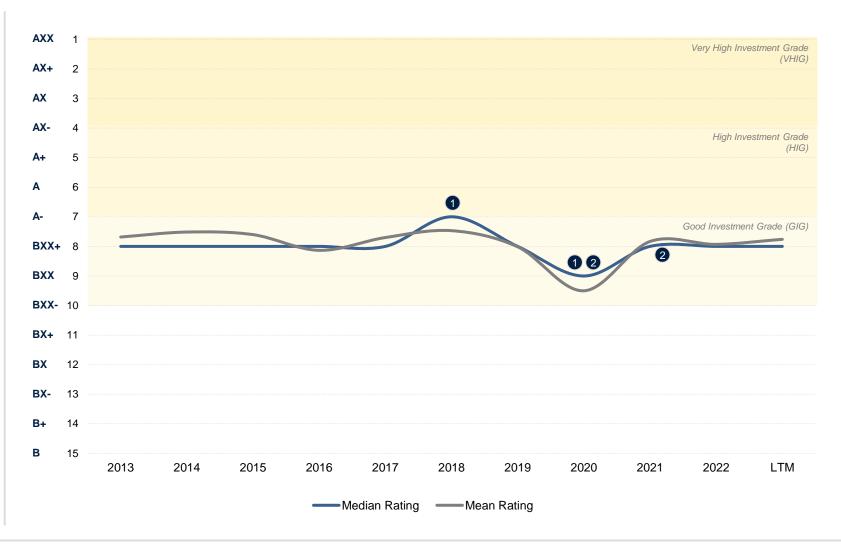
20





The median rating of the industrial machinery producers has been quite stable ('13 – '22), lying in the FCF rating corridor of A- to BXX (corresponding to S&P's rating scale of A- to BBB)

2 The median rating has started to decrease from '18 on to a rating of BXX in '20 (corresponding to S&P's BBB). Alongside the general recovery, ratings improved to BXX+ (BBB+) levels in '22



Source: S&P Capital IQ as of 19/04/2023; FCF Equity Research

Note: FCF Rating AXX is equal to S&P and Fitch Rating AAA and Moody's Rating Aaa; FCF Rating B is equal to S&P and Fitch Rating B and Moody's Rating B2



### FCF Fox Corporate Finance GmbH

Maximilianstrasse 12-14 80539 Munich • Germany Telephone +49 (89) 206 0409-0 Facsimile +49 (89) 206 0409-299 info@fcf.de • www.fcf.de

Kai Frömert	Marcel Lange		
Managing Director	Director		
P: +49 (89) 206 0409-135 M: +49 (173) 580 0407 kai.froemert@fcf.de	P: +49 (89) 206 0409-126 M: +49 (172) 839 5740 marcel.lange@fcf.de		
Marco Buonafede	Yasmin Herrmann		
Marco Buonafede	Yasmin Herrmann Senior Associate		

### Tristan Blümli

#### Vice President

P: +49 (89) 206 0409-140 M: +49 (172) 839 5716 tristan.bluemli@fcf.de

#### Florian Hoch

#### Analyst

P: +49 (89) 2060 409-127 M: +49 (173) 590 6671 florian.hoch@fcf.de



#### Disclaimer

This document does not constitute an offer or invitation to purchase or subscribe for any securities, and neither this document nor anything contained herein shall form the basis of or may be relied upon in connection with any contract or commitment whatsoever. No representation or warranty (express or implied) is made as to, and no reliance should be placed on, any information, including projections, estimates, targets and opinions, contained herein, and no liability whatsoever is accepted as to any errors, omissions or misstatements contained herein, and, accordingly, neither FCF nor any of its officers, directors or employees accepts any liability whatsoever arising directly or indirectly from the use of this document. By accepting this document you acknowledge that you will be solely responsible for your own assessment of the market and the market position of the Company and that you will conduct your own analysis and be solely responsible for forming your own view of the potential future performance of the Company's business. This document contains certain forward-looking statements, including assumptions, opinions and views cited from third party sources. Various known and unknown risks, uncertainties and other factors could cause the actual results, financial position, development or performance of the Company to differ materially from the estimations expressed or implied herein. FCF does not guarantee that the figures, assumptions and calculations underlying such historical and forward looking statements are free from errors nor does FCF accept any responsibility for the future accuracy of the opinions expressed in this document or the actual occurrence of the forecasted developments.

© FCF Fox Corporate Finance GmbH 2023

