



SUSS MICROTEC INVESTOR PRESENTATION

April 2017

DISCLAIMER

This presentation contains forward-looking statements relating to the business, financial performance and earnings of SUSS MicroTec AG and its subsidiaries and associates. Forward-looking statements are based on current plans, estimates, projections and expectations and are therefore subject to risks and uncertainties, most of which are difficult to estimate and which in general are beyond the control of SUSS MicroTec AG. Consequently, actual developments as well as actual earnings and performance may differ materially from those which explicitly or implicitly assumed in the forward-looking statements. SUSS MicroTec AG does not intend or accept any obligation to publish updates of these forward-looking statements.

- **SUSS MicroTec at a Glance**
- **Products & Markets**
- III. **Financials**
- IV. Outlook

- + Global leader in manufacturing equipment for semiconductor devices
- + SUSS' Equipment creates micro structures that connect micro electronic devices
- + Focus on growth segments: advanced packaging, MEMS, and 2.5D / 3D Integration
- + Attractive end markets: smartphones, tablets, automotive, LED, sensors, IoT, ...
- **+** Order entry 2016: € 161.1 million
- + Sales 2016: € 177.6 million
- + EBIT 2016: € 11.1 million
- + Net Cash 2016: € 31.1 million
- **+** Market Cap 01/31/2016: € 145.7 million

SUSS MICROTEC - A GLOBAL PLAYER

NORTH AMERICA

Order Entry 33.7 € million Sales 25.4 € million Employees 102

EMEA

Order Entry 38.1 € million Sales 43.1 € million Employees 469

ASIA

Order Entry 89.3 € million Sales 109.0 € million Employees 140



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SUSS MICROTEC IN THE VALUE CHAIN



- SemiconductorManufacturingEquipment
- Micro Structuring



Research Institutes



Semiconductor Manufacturers

- Semiconductor Devices
- ICs
- Sensors
- Microoptics



Enterprise Products

- Servers
- Interfaces
- Power Distribution
- Cloud Computing



Consumer Products

- Smartphones
- Tablets, PCs
- Automotive
- Medical Devices
- Gaming
- Lighting

+ SUSS MicroTec:

- Key player in leading edge semiconductor manufacturing equipment
- Developer of highly innovative process solutions
- Key components for electronic devices such as cell phones, PCs and tablet computers are produced with SUSS MicroTec's equipment

MARKET DRIVERS

Connectivity & Data Processing

- Connection through apps, social media, data streaming
- + Connectivity of devices, Internet of Things (IoT)
- Permanent internet connectivity provided by smartphones and tablet PCs at affordable cost
- + Industry 4.0 connectivity of manufacturing units



Mobility & Automotive

- + Autonomous, electric and plug in hybrid cars, E-Bikes, trains drive the need for power devices and high performance ICs at the same time
- Growing electronic content and sensors (MEMS) for autonomous cars



Energy Efficiency

- Environmental awareness and rising energy costs drive the demand for energy efficient devices
- + Energy efficiency in industrial production
- + Smart energy management in household applications
- + Green energy management systems



Front End

Lithography

Photomask

Cleaning

Semiconductors

Advanced Packaging

- Micro-Bumping
- Fan-Out WLP
- Cu Pillar





Chipset Integration

- 3D (TSV) Stacking
- 2.5D Integration





Sensors

MEMS

- Internet of Things
- Automotive
- Mobile Devices
- Industry 4.0
- Biomedical





Lighting

LED

- General Lighting
- HB and UHB





Micro Optics

Advanced Optics

- Wafer Level Optics
- Fiber Optics
- Laser and Lithography Beam Shaping Optics





Micro Optical Components

Micro lens arrays
Diffractive optical elements

Frontend

Mid- and Backend

Photomask Equipment

Photomask Cleaning Equipment



Laser Processing Equipment

Exposure Systems

Coaters and Developers



Wafer Bonding Equipment

Photomask Business

Advanced packaging (WLP, FOWLP, Copper Pillar...)

2.5D and 3D integration

MEMS

LED

Adjacent Markets

Micro Optics

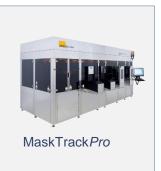
SEGMENTS AND PRODUCTS

Frontend

Mid- and Backend



Photomask Cleaning Equipment





Laser Processing Equipment



Coaters and Developers



Mask Aligner MA200/300 Gen2 ACS300 Gen2



Wafer Bonding Equipment





XBC300 Gen2





Projection Scanner DSC300 Gen2

Divisions

Photomask Equipment Lithography Bonder Laser Exposure Wafer Bonding **Photomask Cleaning** Coaters and **Processing Systems** Equipment **Developers** Equipment Equipment **FY 2016** FY 2015 FY 2015 **FY 2016** FY 2015 FY 2016 21.5 € million Ord. Entry 149.6 € million 10.5 € million 18.6 € million 26.3 € million 105.0 € million 23.5 € million 106.3 € million 14.0 € million 19.7 € million 11.4 € million 133.8 € million 2.3 € million 9.7 € million -1.7 € million 1.8 € million -4.0 € million 13.2 € million 9.9% 9.1% -34.7% -12.1% 9.2% 9.8%

SUSS MicroTec Group* FY 2016

Order Entry: 161.1 € million

Sales: 177.6 € million

EBIT: 11.1 € million

EBIT margin: 6.3%

EBIT

EBIT-

margin

^{*} Including Others

KEY MARKETS – ADVANCED PACKAGING

Wafer-level packaging (WLP) and assembly equipment



Source: Gartner, January 2017

- + Attractive growth opportunities within wafer-level packaging:
 - Fan-out WI P
 - Copper pillar
 - Bumping
- + Grow market share for core products in advanced packaging: coater/developer, UV-projection scanner and mask aligner
- + Timing of new FOWLP production line investments appears to be pushing out
- + Overall semiconductor equipment market is expected to be flat or slightly down yoy in 2016
- Market forecasts show a return to the growth path in WLP and assembly in 2017

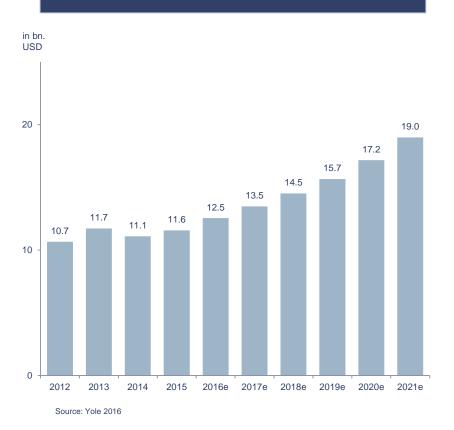
DRIVERS FOR FAN-OUT WAFER-LEVEL PACKAGING

Portable electronic products are driving component packaging towards new packaging technologies for integrating multiple functions (for instance memory and application processors)

FOWLP enables:

- Smaller form factors
- Split die package or multi-die package/SiP
- **Increased I/O density** (Fine line and space (L/S))
- Die fabrication from different technology nodes can be assembled in a single package
- **Excellent electrical and thermal as well as high temperature warpage** performance

MEMS market



- Internet of Things (IoT)
- **Smartphones and tablets**
- **Automotive applications**
- **Health/biomedical applications**
- + Grow market share for core products for MEMS: coater/developer, mask aligner, substrate bonder
- + Market re-entry permanent bonder with new differentiated product

IC SCALING TECHNOLOGIES FROM 2D TO 3D

2D Packaging

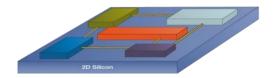
- Increased performance and complexity of ICs by shrinking transistor geometry according to Moore's Law
- New technologies like EUV and multiple patterning drive further scaling
- Technical challenges and limitations make it increasingly more difficult and expensive to reduce the feature size

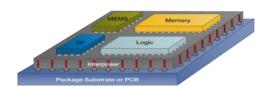
2.5D Packaging

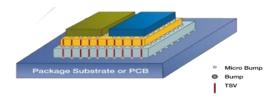
- Combining of several devices on an interposer addresses the limitations of traditional shrinking while enhancing performance
- Increased packaging density
- Reduced footprint
- Packaging becomes enabler and addresses performance slow down of Moore's Law

3D Integration (TSV)

- Stacking of several devices horizontally enables high performance at a low footprint
- TSV and bonded thin Si technology becomes key enabler for scaling
- Performance and complexity increase combined with smaller footprint
- Reduced energy consumption



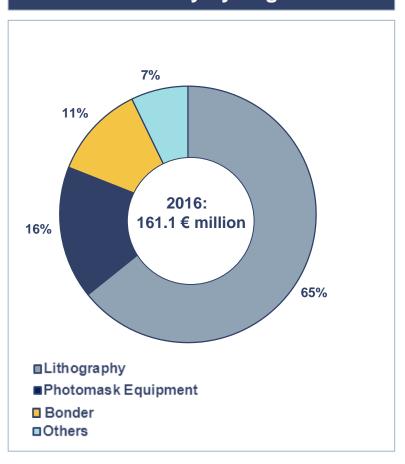




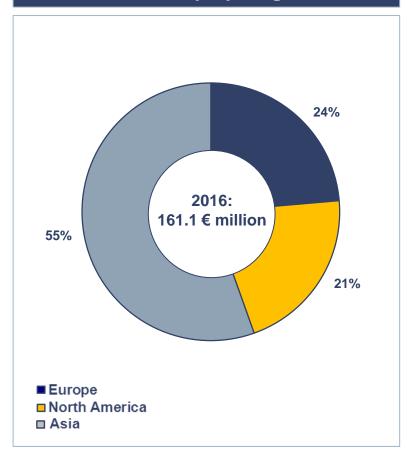
SUSS MicroTec's equipment and process solutions enable 2D shrinking ("Moore's Law") and 2.5D / 3D integration ("More than Moore")

- **SUSS MicroTec at a Glance**
- **Products & Markets**
- **Financials** III.
- IV. Outlook

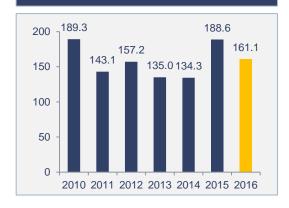
Order Entry by Segment



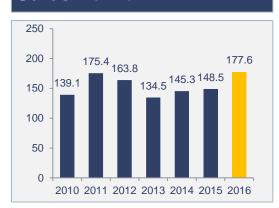
Order Entry by Region



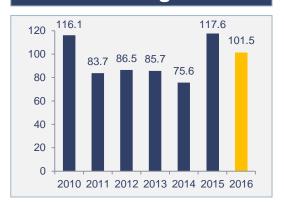
Order Entry in € million



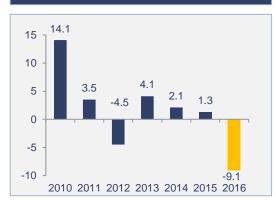
Sales in € million



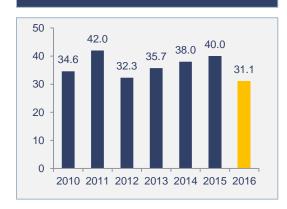
Order Backlog in € million



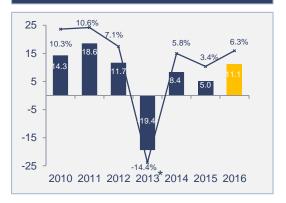
Free Cash Flow in € million



Net Cash in € million



EBIT in € million



^{*} Including a -13.2 € milion one-off effect from restructuring of the product line permanant bonding (-0,69 € per share)

2016 - P&L KEY FIGURES BY QUARTER

Order Entry in € million



Sales in € million



Order Backlog in € million



Free Cash Flow in € million



Net Cash in € million



EBIT in € million



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Short-term

- Grow market share for core products in all market segments
- Traction for new advanced lithography products from SUSS MicroTec Photonic Systems
- Stabilize Company at positive EBIT and cash generation, continue revenue growth:
 - Gross margin 30-35% ✓

Mid-term

- Focused product portfolio
- **Positive EBIT from Bonder Division and Photonic Systems**
- Successful new adjacent market entries (leverage existing technologies to grow SAM)
- Continue revenue growth at positive EBIT and cash generation:
 - Sales of >200M
 - Gross margin >35%
- (excluding Photonic Systems)
- EBIT margin >5%

Long-term

- Continue revenue growth at positive EBIT and cash generation:
 - Sales of >200M
 - Gross margin >35%
 - EBIT margin 10%

Market **Outlook**

- Gartner expects the semiconductor market to grow by 7.2% in 2017
- This would mark a new record level of 364.1 bn \$ (2016: 339.7 bn \$)
- Market growth will be driven by automotive and industrial applications, the memory segment and the Internet of Things
- Semi expects the semiconductor equipment market to grow strongly by 9.2% in 2017
- Wafel-level-packaging and assembly equipment market is expected to grow by 10.7% in 2017 after 3.9% in 2016 (Gartner)
- Yole expectes MEMS-market CAGR 2015 2021 of 13% (unit growth)

SUSS **MicroTec** Outlook

- FY 2017: Sales € 160 - 170 million
 - EBIT € 9 13 million
- Q1 2017: Order entry € 35 - 45 million

Thank you

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INVESTOR RELATIONS INFORMATION

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Financial Calendar 2017

Annual Report 20	16
Quarterly Report	2017
Annual General M	leeting 2017, Munich
Interim Report 20	17
Nine-month Repo	rt 2017

30 Mar
4 May
31 May
10 Aug
9 Nov

SHARE PRICE DEVELOPMENT AND MAJOR HOLDERS

(Price of the SUSS MicroTec Share at January 2, 2016: 4.88 €)

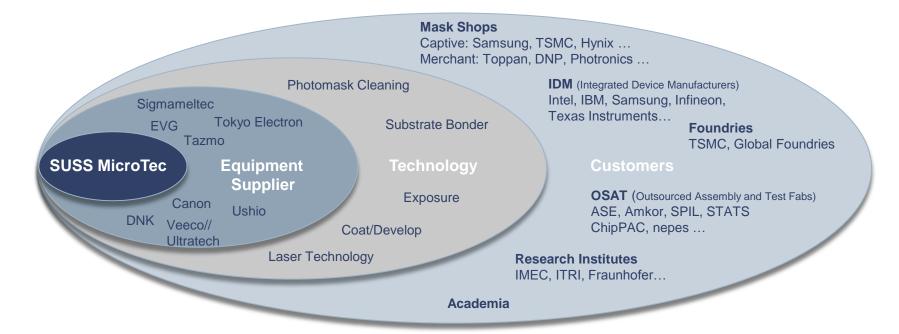


Major Shareholders: Sycomore 5.2%

Henderson 5.1% Universal 5.1% Lupus Alpha 3.2% Dimensional 3.0%

Average daily trading volume January 2016 – March 2017: ~ 160.000

MAIN COMPETITORS AND PEER GROUP



Peer Grou	p
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BE Semiconductor:

equipment for leadframe, substrate and WLP applications (die attach, wire-bonding, plating), target markets include electronics, computer, automotive, industrial, LED and solar energy

Veeco/Ultratech:

steppers for the semiconductor market, advanced packaging, nanotechnology, laser processing (LSA)

Kulicke & Soffa:

design and manufacture of equipment for semiconductor, LED and electronic assembly (wire-bonding, advanced packaging)

Rudolph Tech:

equipment and software solutions for macro defect inspection, probe card test and analysis, thin film metrology, advanced packaging lithography systems (steppers)

EV Group:

equipment for wafer-bonding, lithography/nanoimprint lithography (NIL), metrology, photoresist coating, cleaning and inspection for the target markets: advanced packaging, compound semiconductor and silicon-based power devices, MEMS, nanotechnology and SOI

Germany

Sternenfels*

- + Development/production:
 - Bonder
 - Coater and Developer
 - Photomask Equipment
- + Production facility ~15,000 m²

Garching*

- + SUSS MicroTec HQ
- + Development/production:
 - Mask Aligner
 - Bond Aligner
- + Production facility ~9,000 m²

USA

Corona (California)

- + Development/production:
 - Stepper/Scanner
 - Laser Processing
- + Production facility ~7,000 m²

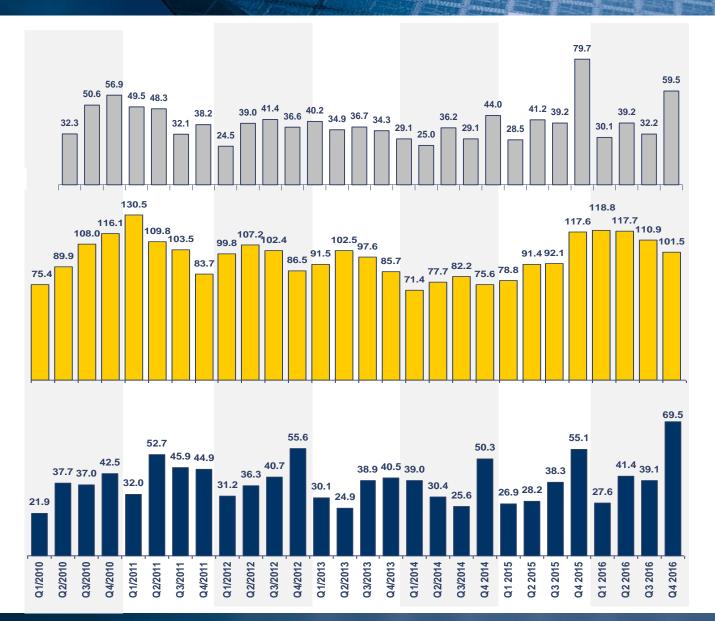






^{*}Production site is owned by SUSS MicroTec

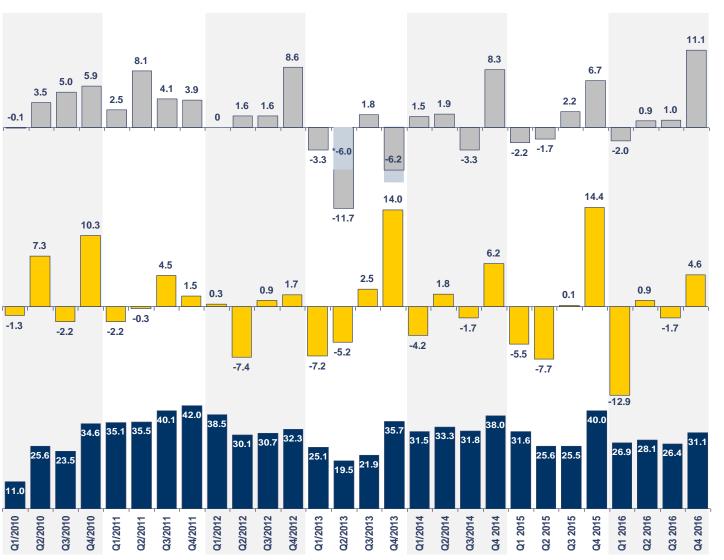
LONG TERM BUSINESS DEVELOPMENT BY QUARTER



Order Entry in € million

Order Backlog in € million

> Sales in € million



EBIT in € million

Free Cash Flow in € million

Net Cash in € million

^{*} one-off effect from restructuring the product line permanent bonding

KEY FINANCIALS Q4 2016 AND FULL YEAR 2016

in € million	Q4 2016	Q4 2015	in %
Order Intake	59.5	79.7	-25.3%
		13.1	-23.370
Order Backlog 12/31	-		
Revenue	69.5	55.1	26.1%
EBIT	11.1	6.7	65.7%
EBIT in % of Sales	16.0%	12.2%	3.8%pt
Earnings after tax	8.3	3.6	>100%
EPS in €	0.43	0.19	>100%
Free Cash Flow*	4.6	14.4	-68.0%
Net Cash	_		

2016	2015	in %
161.1	188.6	-14.6%
101.5	117.6	-13.7%
177.6	148.5	19.6%
11.1	5.0	>100%
6.3%	3.4%	2.9%pt
5.0	0.2	>100%
0.26	0.01	>100%
-9.1	1.3	
31.1	40.0	-22.3%

^{*} before consideration of purchased interest-bearing securities