

DISCLAIMER



This presentation contains forward-looking statements relating to the business, financial performance and earnings of SUSS MicroTec SE 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 SE. 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 SE does not intend or accept any obligation to publish updates of these forward-looking statements.

AGENDA



Overview
Strategy, products and markets
Financials
Outlook

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HIGHLIGHTS FINANCIAL YEAR 2018



- + Announcement of growth strategy: SUSS 2025
- + Strong order entry for high-end photomask equipment
- + 3D-integration is accelerating and turned bonder business into profitability
- + Delivery of UV-scanner evaluation tool to leading Asian semiconductor manufacturer

- + Order Entry FY 2018: € 191.0 million (thereof € 65 million in Q4 2018)
- + Sales FY 2018: € 203.9 million
- **+** EBIT FY 2018: € 10.9 million (5.3% EBIT-margin)

HIGHLIGHTS Q1 2019



- + Strong order intake in fragile market environment
- + Bonder orders from several Asian customers
- + Strong Photomask orders continue
- + Order Entry Q1 2019: € 46.7 million
- + Sales Q1 2019: € 47.1 million
- + EBIT Q1 2019: € 2.1 million (4.5% EBIT-margin)

STATUS UPDATE SUSS 2025



+ UV-projection scanners:

- + Delivery of evaluation tool to Asian customer in November 2018
- + One year evaluation period is currently running
- + Additional evaluation order from one Asian customer
- + Some more tool orders from other customers are expected in 2019

+ Temporary bonding systems:

- + Delivery of several tools to Asian customers is in progress
- New orders from lead customer and other customers expected for 2019

+ SUSS MicroOptics:

- + Automotive qualification achieved in 2018
- + 2nd clean room facility in Switzerland is being built and will be ready end of 2019 (this facility will also host the Imprint Excellence Center)
- + Considerable sales growth and margin improvement compared to 2018

+ Increased R&D spending for all segments

+ CapEx will go up by a mid-single digit amount compared to 2018:

- New clean room facility Switzerland
- + Upgrade clean room facilities Sternenfels
- + Establishment of production site in Taiwan
- + Financial flexibility will be secured via credit facility

SUSS MICROTEC TODAY





MARKET ENVIRONMENT - MEGATRENDS





- + Digitization
- Wireless Communication
- + Data Networks
- + Cloud Computing
- Internet of Things
- + Smart Factory
- + Autonomous Driving
- + Mobility
- + Automation



MAIN PRODUCTION SITES



The policy

Germany



USA

Taiwan





- + Development/production:
 - Bonder
 - Coater and Developer
 - Photomask Equipment
- + Core competencies:
 - Wet Processing
 - Wafer Bonding
 - Photomask Equipment
- Production facility ~15,000 m²

Garching*

- + SUSS MicroTec HQ
- + Development/production:
 - Mask Aligner
 - Bond Aligner
- + Core competencies:
 - Exposure (proximity exposure)
 - Alignment
 - Bond Aligner
- + Production facility ~9,000 m²



Neuchatel (Switzerland)

- + Core competencies:
 - Production of micro-optical components
 - Imprint Excellence Center
- + Production facility ~1,200 m²
- + 2 sites for redundancy



Corona (California)

- + Development/production:
 - Stepper/Scanner
 - Laser Processing
- + Core competencies:
 - Exposure (UV projection)
 - Laser Ablation
- + Production facility ~7,000 m²



HsinChu (Taiwan)**

- + Core competencies:
 - Final Assembly Coater
 - Application
 - Show Room









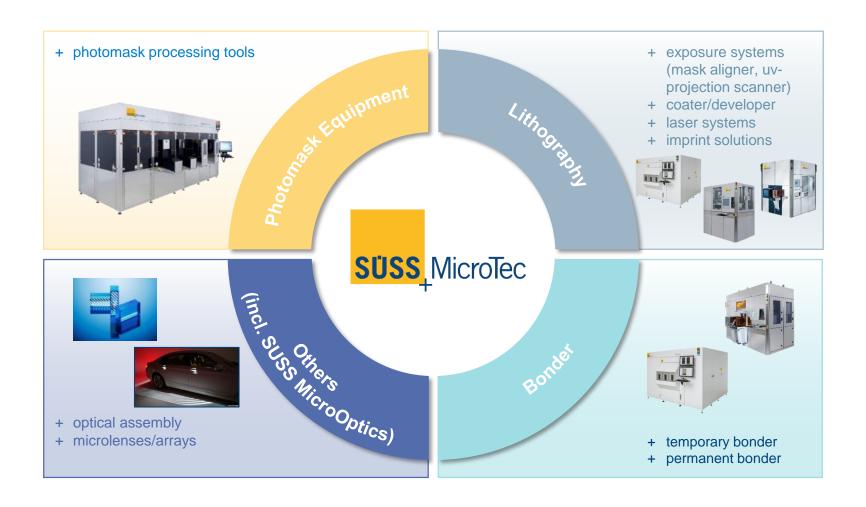


^{*}Production site is owned by SUSS MicroTec

^{**}planned

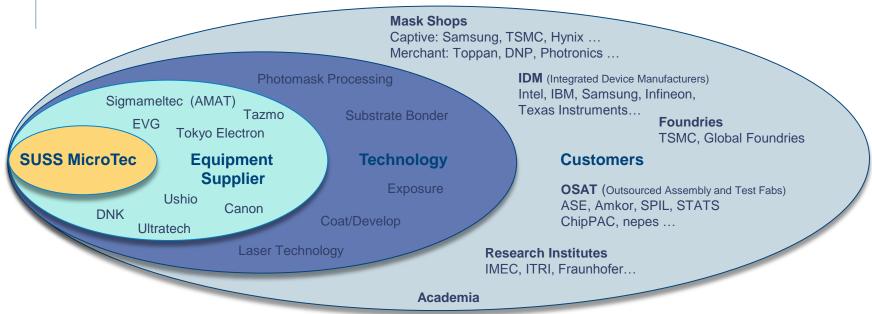
OUR PRODUCT PORTFOLIO





MAIN COMPETITORS AND PEER GROUP





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

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

advanced packaging)

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

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

Peer Group

Kulicke & Soffa:

Rudolph Tech:

EV Group:

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- 1 Overview
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- 4 Outlook

MARKETS ARE CHANGING – WE RECOGNIZE AND WE REALIZE OPPORTUNITIES





- + Megatrends are driving our business: digitization, wireless communication (5G), data networks, cloud computing, IoT, smart factory, autonomous driving, mobility, Al
- Semiconductor industry is highly innovative and very demanding
- + Processes are getting more complex customers asking for more support
- News business fields arise:
 - + UV projection scanners for advanced packaging, esp. FOWLP
 - + Imprint solutions for production of optical elements
 - + SUSS MicroOptics products for the automotive industry

OUR KEY GROWTH DRIVERS



Market	Advanced packaging	(RF) MEMS	Chipset integration	MicroOptics
	Micro-bumpingCU-pillarRedistribution	SAW/BAW filters	- 3D TSV	Automotive light
	layer (RDL) FOWLP	for 5G standard Autonomous driving Mobile devices Smart factory	- 2.5D integration	carpet Optical assembly Wafer level optics

SUSS Products

- Coater/developer
- UV scanner
- Coater/developer
- UV scanner
- Temporary bonder
- Coater/developer
- Mask Aligner platform for imprint solutions/ lens stacking



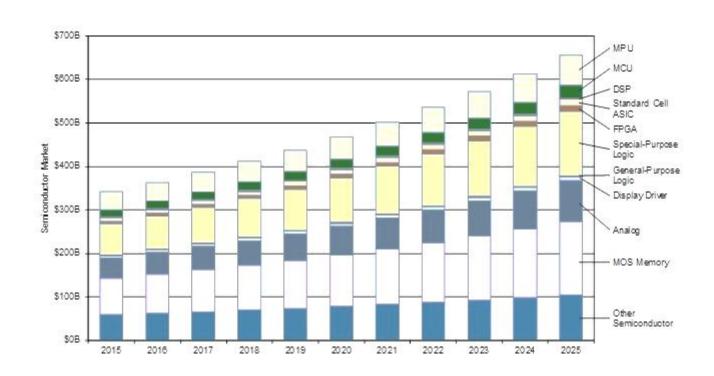






SEMICONDUCTOR MARKET LONG TERM OUTLOOK

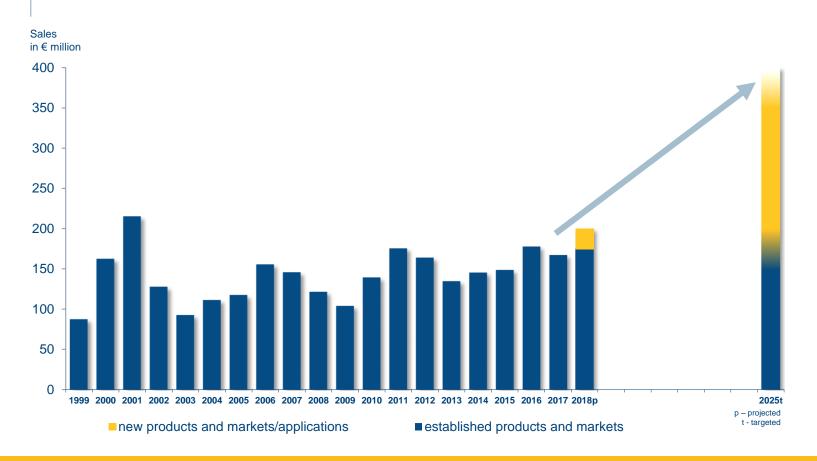




The global semiconductor market will be \$656B in 2025 compared to \$343B in 2015 with a CAGR of 6.7%*

SEMICONDUCTOR MARKET OUTLOOK = SUSS POTENTIAL





Based on the favorable market trends and our targeted market share gains, we should be able to show sustainable growth of sales over the years to come, always keeping in mind, that the business will remain cyclical

^{*}This chart contains forward-looking targets relating to the business and financial performance of SUSS MicroTec SE. These statements are based on current estimates, projections and expectations and are therefore subject to risks and uncertainties, most of which are difficult to estimate. Consequently, actual developments as well as performance may differ materially from those which is explicitly or implicitly assumed in this graphic.

SUSS 2025 - DOUBLE OUR SALES VOLUME

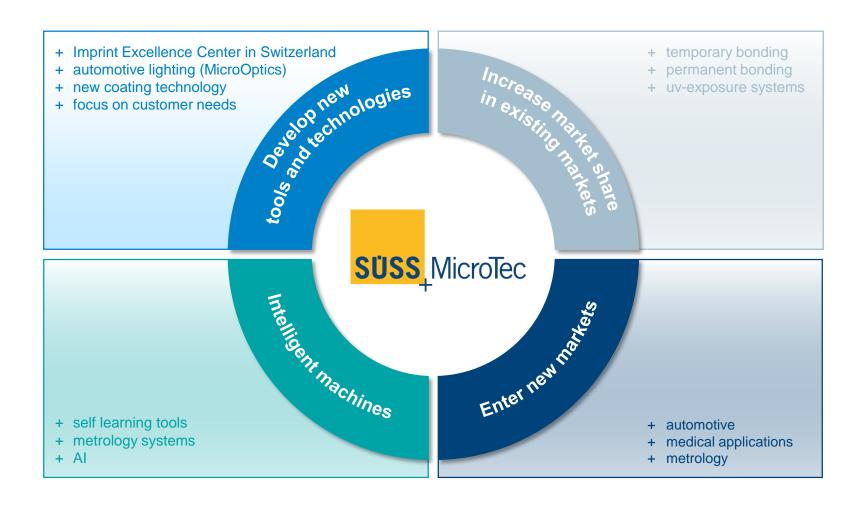


- Customer satisfaction is our highest priority
- + Convince as solutions provider
- + Enter new business fields
- + Establish co-operations with leading semiconductor suppliers
- Develop / acquire new technologies to improve our core products
- Increase production capacity by outsourcing
- Establish a production site for final assembly in Asia



BUILDING BLOCKS OF OUR STRATEGY





AGENDA



- 1 Overview
- 2 Strategy, products and markets
- 3 Financials
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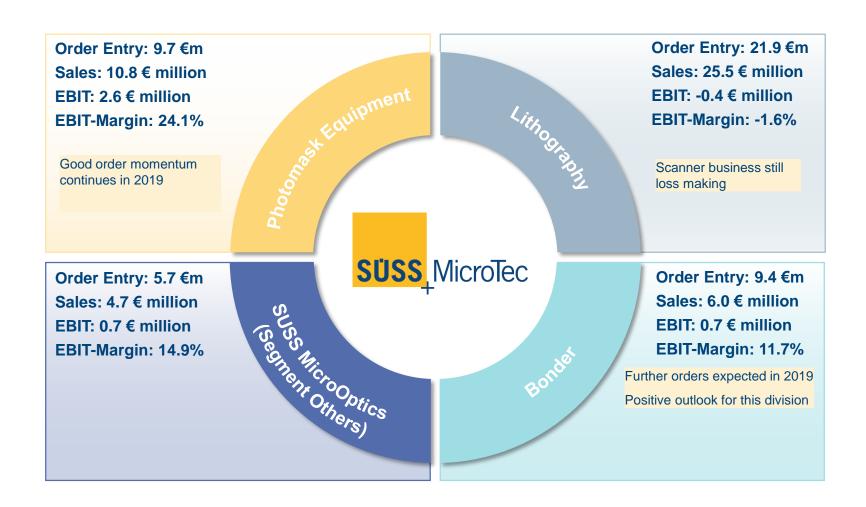
KEY GROUP FIGURES Q1 2019



in € million	Q1 2019	Q1 2018	delta Q1 2019/ Q1 2018	FY 2018	FY 2017
THE THIMOT	Q1 2019	Q1 2010	Q1 2010	1 1 2010	1 1 2017
Order Intake	46.7	38.6	+21.0%	191.0	200.3
Order Backlog 3/31	85.4	93.0	-8.2%	84.7	133.4
Revenue	47.1	45.2	+4.2%	203.9	166.5
EBIT	2.1	1.5	40.0%	10.9	13.9
EBIT in % of Sales	4.5%	3.3%	+1.2%pts	5.3%	8.3%
Earnings after tax	0.4	0.6	-	4.8	6.7
EPS in €	0.02	0.03		0.25	0.35
Free Cash Flow	-16.4	-13.7		-5.0	2.9
Net Cash	9.5	19.2	-50.5%	28.2	33.0
Employees 3/31	899	810	+11.0%	881	779

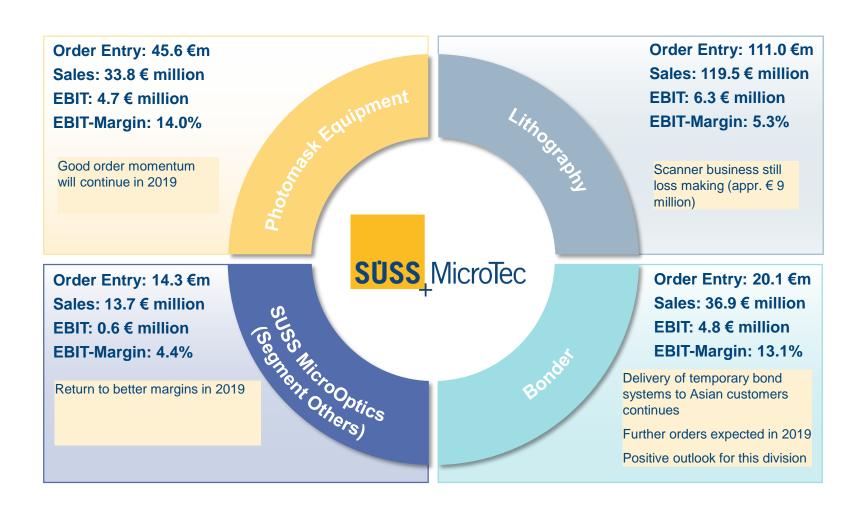
BUSINESS DEVELOPMENT IN Q1 2019





BUSINESS DEVELOPMENT IN FY 2018





KEY GROUP FIGURES FY 2018 VS FY 2017 (OLD AND IFRS15 ACCOUNTING SYSTEM)



	IFRS 15		
in € million	FY 2018	FY 2017	delta 2017/2018
Revenue	203.9	179.9	13.1%
EBIT*	10.9	18.2	-40.1%
EBIT in % of Sales	5.3%	10.1%	-4.8pts
Earnings after tax	4.8	10.0	-52.0%
EPS in €	0.25	0.52	-51.9%

old accounting system		
FY 2018	FY 2017	delta 2017/2018
213.9	166.5	28.5%
15.6	13.9	12.2%
7.3%	8.3%	-1pts
8.2	6.7	22.4%
0.43	0.35	22.9%

^{*}one-off effect 2017: license income of € +2.0 million; one-off effect 2018: severance payment of appr. € -700 thous.

AGENDA

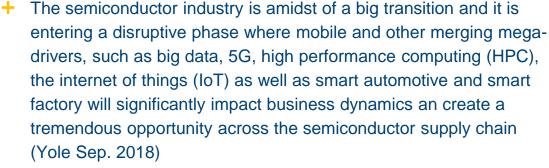


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MARKET OUTLOOK









Semiconductor market + 12.5% in 2018 to a volume of USD 475 bn and + 2.5% in 2019 (Gartner, April 2019)





- More than Moore (MtM) equipment (lithography tools and bonders) to grow by 10% annually (CAGR 2017 2023) to an equipment market volume of appr. USD 750 million (Yole, Oct. 2018)
- + 3D TSV and Fan-out markets are expected to grow by a CAGR of 29% and 15% respectively from 2017 2023 (Yole, Sep. 2018)

OUTLOOK 2019





+ Fiscal year 2019:

Sales of € 200 million to € 215 million

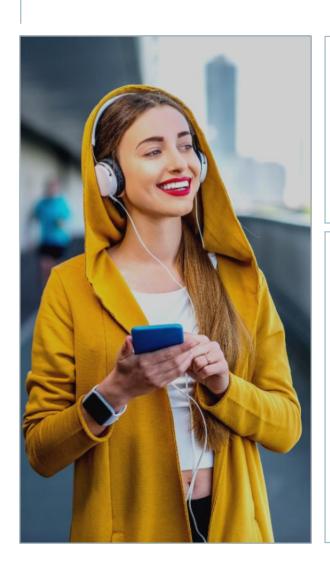
EBIT-margin ~ 6.5% - 8.0%

+ Q2 2019 + Q3 2019:

Order entry of € 80 million to € 90 million

INVESTMENT HIGHLIGHTS





Situation:

- Highly innovative markets
- Megatrends support business case
- International customers
- Increased R&D
- Long term growth targets

Outlook:

- Semiconductor market growth will continue
- + IOT, digitization, AI, mobility,... are just taking off
- Entering new business fields with established and new products
- Imprint excellence center starts operating in Switzerland
- More volume orders for temporary bonding systems to come
- Position permanent bonding systems in market
- 2019 will be the decisive year for uv-projection scanners



INVESTOR RELATIONS INFORMATION



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Financial Calendar 2019

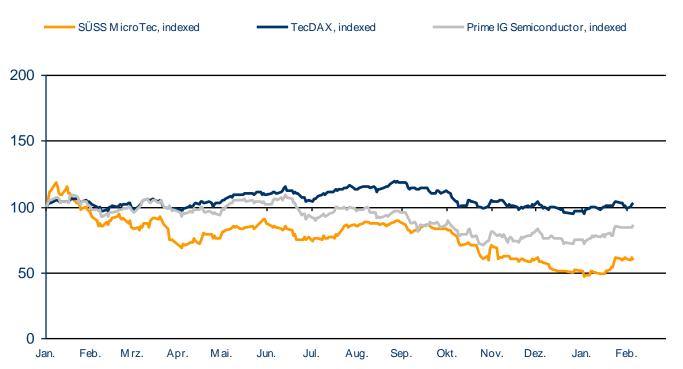
	_	
Annual Report 2018		
Quarterly Announcement 2019 (Q1)		
Annual General Meeting 2019, Munich		
Interim Report 2019		
Quarterly Announcement 2019 (Q3)		

27 Mar
8 May
6 Jun
2 Aug
6 Nov

SHARE PRICE DEVELOPMENT AND MAJOR HOLDERS



(Price of the SUSS MicroTec Share at January 2, 2018: 16.78 €)



Major Shareholders > 3%:

Internat. Kap. Anl. (INKA)

Universal-Investment

Luxempart

Kempen Oranje

Sycomore Asset Man.

Janus Henderson Group

Gerlin NV

Dimensional Funds

Lupus Alpha

Hansa Invest

Average daily trading volume January 2018 - May 2019: ~ 67.000

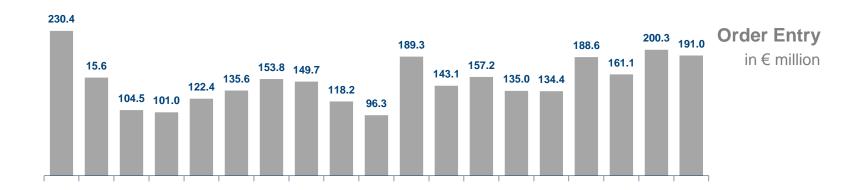
SUSS MICROTEC - A GLOBAL PLAYER

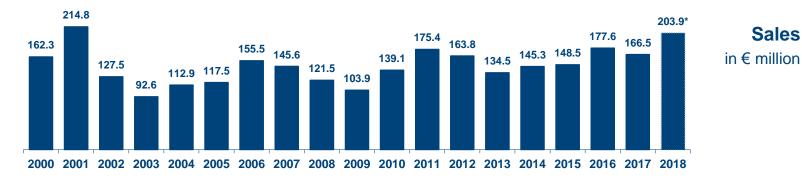




LONG TERM BUSINESS DEVELOPMENT I





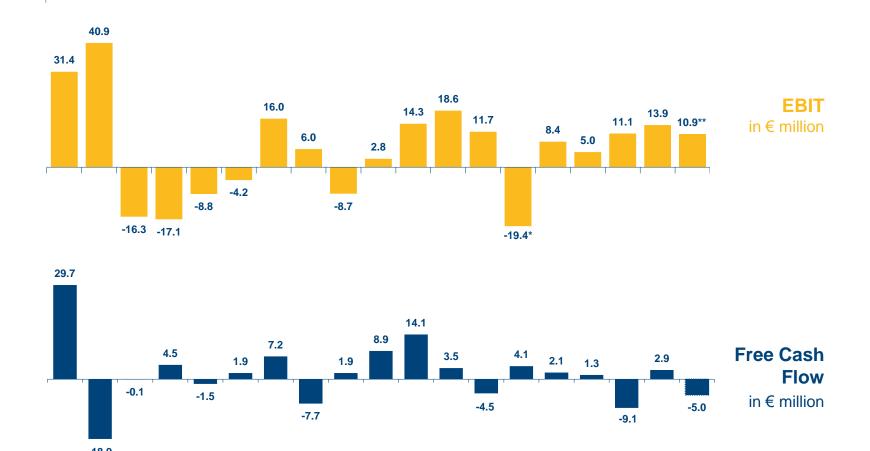


* Sales recognition according to IFRS 15 for the first time in 2018 (comparable sales figure is € 213.9 million)

Sales

LONG TERM BUSINESS DEVELOPMENT II





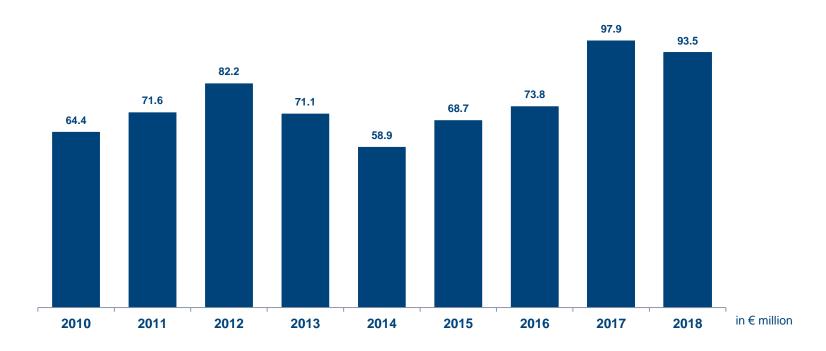
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018

^{*} EBIT 2013: one-off effect from restructuring the product line permanent bonding (€ -13.2 million)

^{**} Sales recognition according to IFRS 15 for the first time in 2018 (comparable EBIT figure is € 15.6 million)

INVENTORY DEVELOPMENT





- + Increased number of evaluation and demonstration tools in the field
- Preproduction of multiple tools in order to meet challenging lead times

ORDER ENTRY BY SEGMENT FY 2018 (FY 2017)







2018: 191.0 m€

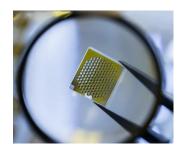
Photomask Equipment 24% (8%)

45.6 m€ (15.7 m€)



(prior year in brackets)

Others incl. SMO 7% (6%) 14.3 m€ (11.7 m€)



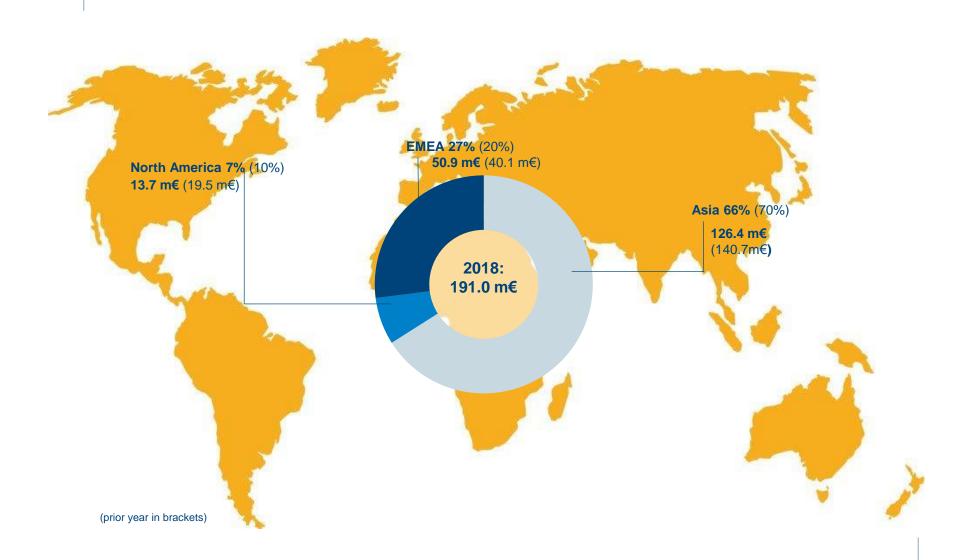
Lithography 58% (68%) **111.0 m€** (136.2 m€)





ORDER ENTRY BY REGION FY 2018 (FY2017)

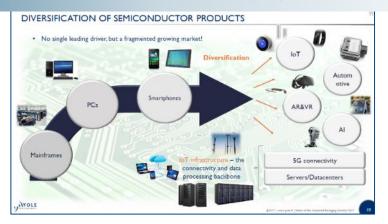




OUR GROWTH DRIVERS



Advanced Packaging



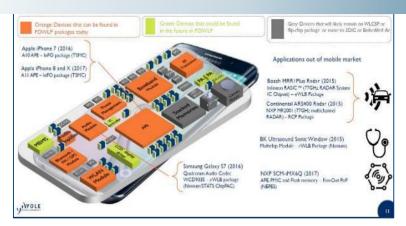
RF MEMS



3D Packaging



FOWLP



BUILDING BLOCKS OF OUR STRATEGY - BONDER





- + Maintain and expand market position in temporary bonding
- Penetrate into MEMS applications with permanent bond systems
- + Self learning machines and adaptive process improvements
- Completion of 200mm permanent bond platform with scaling to 300mm possible

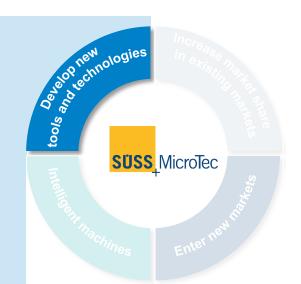


BUILDING BLOCKS OF OUR STRATEGY - COATER



- + Maintain market share at existing customers
- Mid-term: increase market share in AdP and MEMS via new coating technology with improved cost of ownership
- + Self learning and -improving machines
- + Cost reduction (e.g. via outsourcing)
- + Longer-term: enter new application fields with new coating technology





BUILDING BLOCKS OF OUR STRATEGY - SCANNER



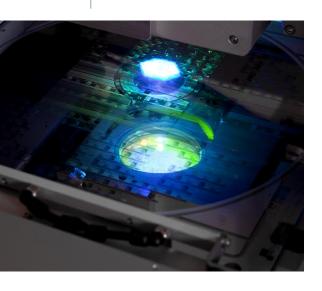


- + Successful delivery of upgrade kit to lead customer
- + Evaluation tool placed at this customer
- Move into volume production with lead customer
- + Establish a strong market position in uv-projection exposure



UV - PROJECTION SCANNER





- Target markets: advanced packaging (FOWLP, Cu-pillar...)
- Package sizes are increasing (package size gets larger than step field of conventional 1x stepper)
- + Scanner is ideal exposure tool to address large package sizes
- High resolution and overlay
- Throughput of our DSC300 Gen3 increased considerably
- + Excellent cost of ownership





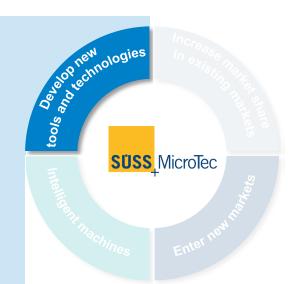
Our UV – projection scanner is THE tool to address next generation exposure requirements

BUILDING BLOCKS OF OUR STRATEGY – HIGH VOLUME IMPRINT ON BASIS OF OUR MASK ALIGNER



- + Establish an Imprint Excellence Center in Switzerland
- Utilize our mask aligner platform to offer imprint processes and solutions
- + High quality and low volume production





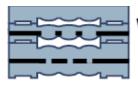
BUILDING BLOCKS OF OUR STRATEGY - MICROOPTICS





- + Enter automotive market for lighting solutions
- + Automotive qualification obtained in 2018
- + First orders for light carpet have been placed
- + Other automotive lighting solutions are possible





Wafer-Level Optics (WLO)

- → Aperture layers in bulk material
- → Excellent overlay control

MASK ALIGNER – GROWTH DRIVER IMPRINT SOLUTIONS

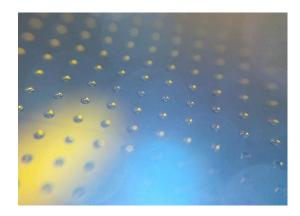


The flexible imprint portfolio for

Nano - Imprint

Micro - Imprint

Optical Assembly



is covering a wide range of growing applications & markets



LED

(nano)PSS for High Brightness LEDs.



MEMS/NEMS

Nano- and micropatterning need to be extensively adopted in device manufacturing.



Optoelectronic sensors

Optical nano-gratings are key components for the communication market worldwide.



Microoptics

Imprint is essential to fabricate micro-optical devices for wafer-level cameras and image sensors.



Augmented Reality

Imprinted nano-metric DOE de-fractive optical elements are required for the glasses with augmented reality

SEMICONDUCTOR EQUIPMENT INDUSTRY



Front end Back end

Major players are:

- + ASML
- + Applied Materials
- + Tokyo Electron
- + Canon
- + ...

Major players are:

- + SUSS MicroTec
- + EVG
- + Veeco
- + Tok
- + SMEE
- + King Semi, ...

Major players are:

- + BE Semiconductor
- Cascade Microtec
- Disco
- + ...

Processing steps are:

- + Lithography (creation of IC; nm)
- + Dry etch
- + Deposition
- + Metrology/inspection
- **+** ...

Processing steps are:

- Lithography (flip chip, WLP; μ)
- + Wafer bonding
- Creation of micro- structures, MEMS and RF-MEMS
- + ...

Processing steps are:

- Wafer dicing
- Die bonding
- + Assembly / packaging
- Metrology / final test
- + ...

LITHOGRAPHY PROCESS STEPS: MEMS PRODUCTION





From wafer to airbag sensor

