



# Corporate Profile

Your challenge is our mission.

**RAITH**  
NANOFABRICATION

# Facts & Figures



**No. 1**  
Global market position  
Gaussian  
e-beam lithography



**1,100+**  
instruments  
installed

Founded in  
**1980**



More than  
**350**  
employees worldwide



**9**  
subsidiaries/  
locations



**3,000+**  
users  
globally

**1980–1994**  
SEM component  
provider  
  
Specialist in  
SEM components

**1995–2013**  
E-beam solution  
provider  
  
Transformation & expansion  
(strong internationalization,  
focus on turnkey solutions)

**2013–2019**  
Largest Gaussian  
EBL system supplier  
  
Strategic merger with Vistec  
Lithography in 2013 (widest range  
of nanofabrication solutions)

**From 2019**  
Largest maskless  
nanofabrication supplier  
  
Acquisition of 4PICO Litho,  
a direct write LBL company,  
in 2021



# System Portfolio

## Electron Beam Lithography



## Maskless Laser Lithography



## FIB-SEM

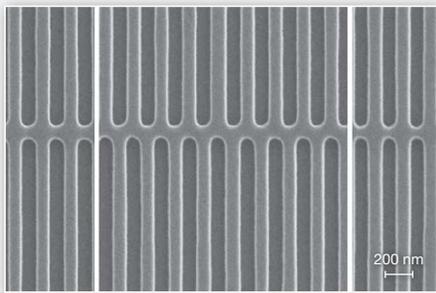


## Nanolithography Upgrades for SEM



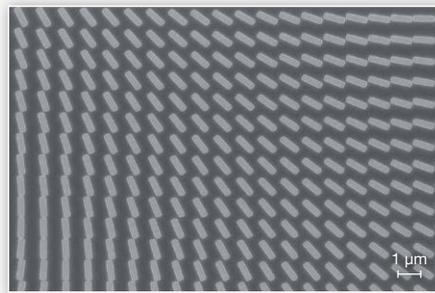
## Process Control/Large-Area SEM





### Continuous writing modes

No more stitching errors, plus perfect sub-nm pitch control with *traxx* and *periodixx*



### Generating patterns on the fly

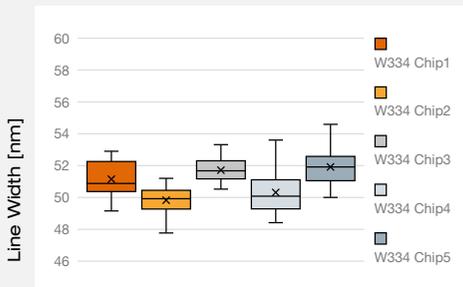
Enabling manageability and efficient processing of large data volumes with *algorithmixx* and *firebird*



### Simplify nanofabrication

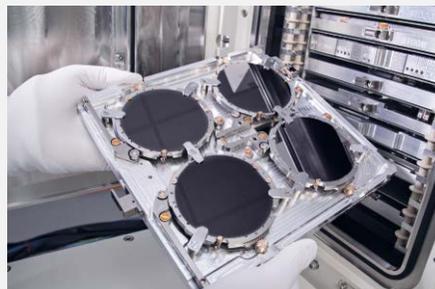
Initialize fully automated patterning at the push of a button using ErgoFlow GUI

Wafer 334 50LW Line Width vs Wafer Position



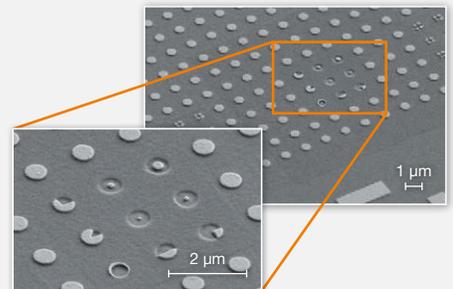
### Process control

Fully automatic evaluation of critical parameters (e.g. CD, LER, ...)



### Small batch production

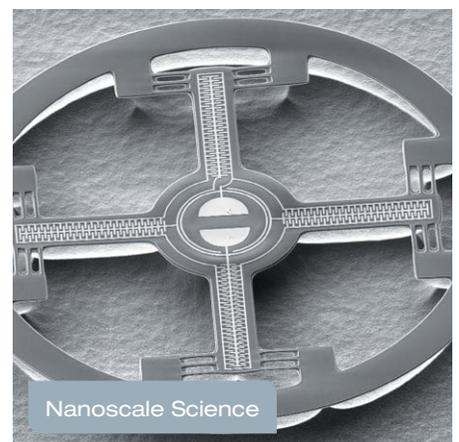
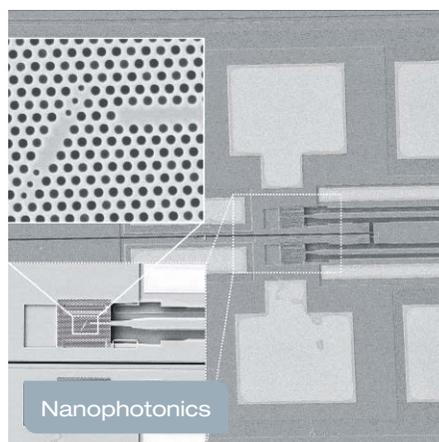
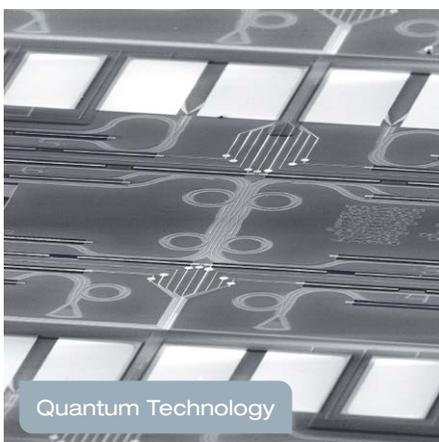
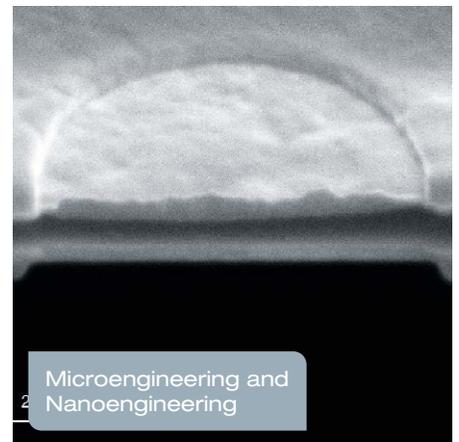
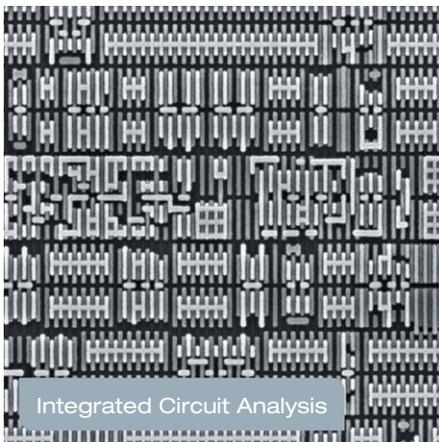
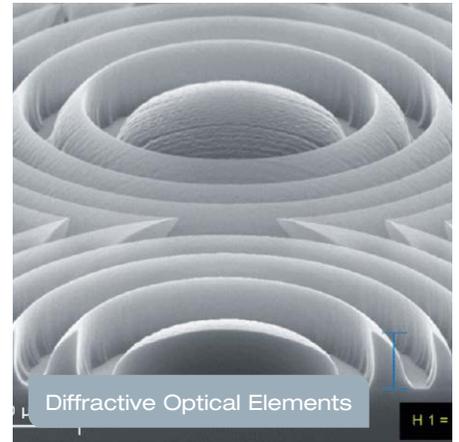
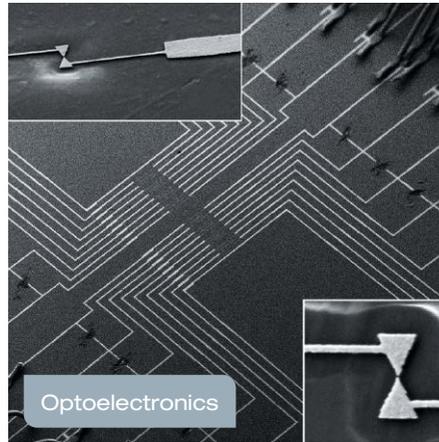
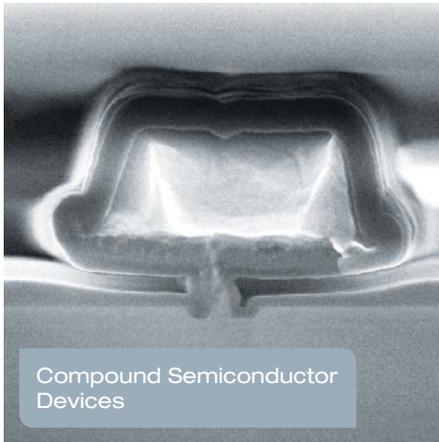
Fully automated multiple wafer handling



### Mix & match

Increase throughput and efficiency by combining complementary Raith nanofabrication technology platforms

# Widest Bandwidth of Applications



# Premium Quality & Global Support



**2250**

hours of training for our service engineers in 2021



More than **100** service specialists



**141** parameters checked and adjusted during preventive maintenance



More than **30,000** spare parts in 6 warehouses



For further contact information, please visit our website:

[www.raith.com](http://www.raith.com)