



Corporate Profile

RAITH

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

Raith
INNOVATIVE SOLUTIONS FOR NANOFABRICATION

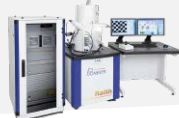


1995–2013

E-beam solution
provider

Transformation & expansion
(strong internationalization,
focus on turnkey solutions)

Raith
INNOVATIVE SOLUTIONS FOR NANOFABRICATION



2013–2019

Largest Gaussian
EBL system supplier

Strategic merger with Vistec
Lithography in 2013 (widest range
of nanofabrication solutions)

Raith
INNOVATIVE SOLUTIONS FOR NANOFABRICATION



From 2019

Largest maskless
nanofabrication supplier

Acquisition of 4PICO Litho,
a direct write LBL company,
in 2021

RAITH
NANOFABRICATION



System Portfolio

Electron Beam Lithography



Maskless Laser Lithography



FIB-SEM



Nanolithography Upgrades for SEM

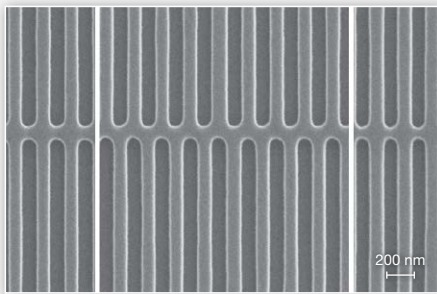


Process Control/Large-Area SEM



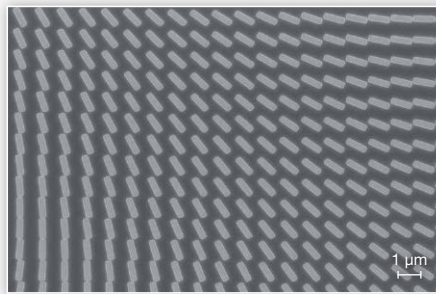


Smart Solutions



Continuous writing modes

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



Generating patterns on the fly

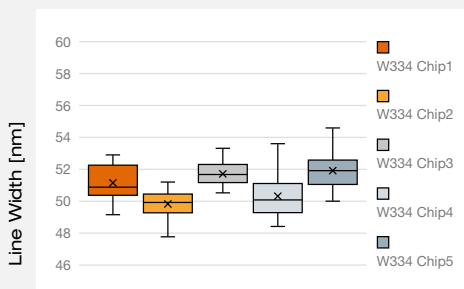
Enabling manageability and efficient processing of large data volumes with *algorithmixx* and *firebird*



Simplify nanofabrication

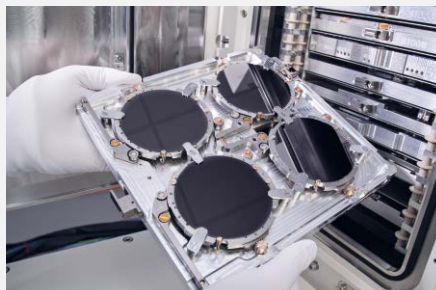
Initialize fully automated patterning at the push of a button using ErgoFlow GUI

Wafer 334 50LW Line Width vs Wafer Position



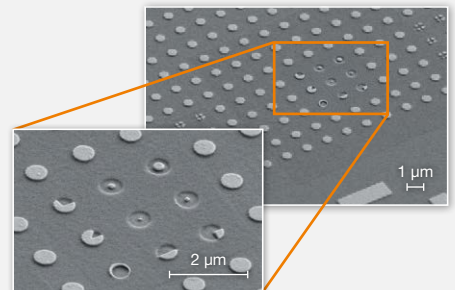
Process control

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



Small batch production

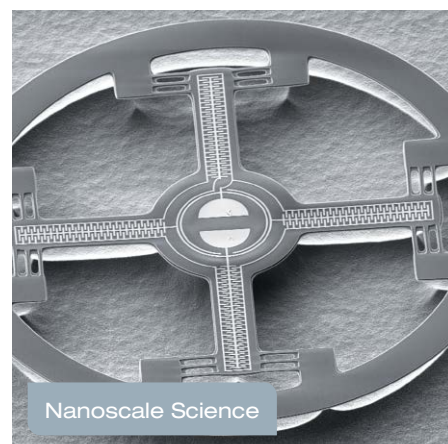
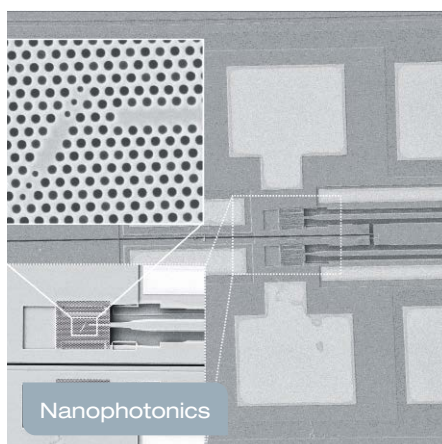
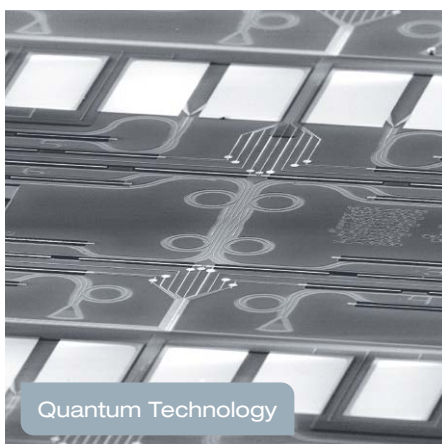
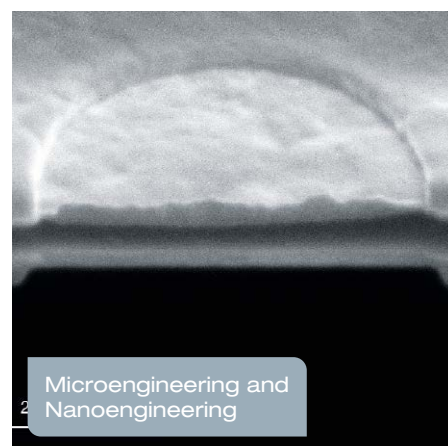
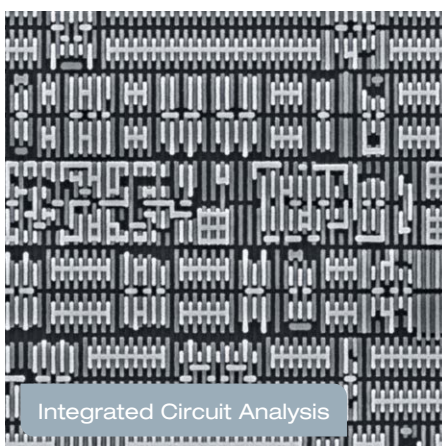
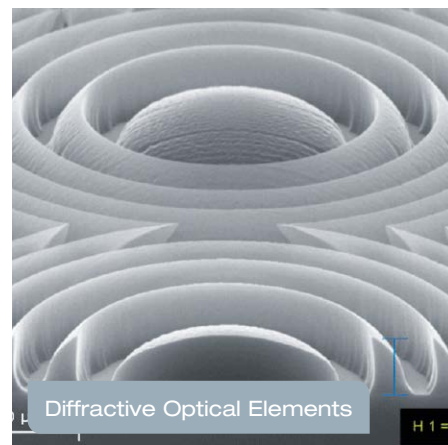
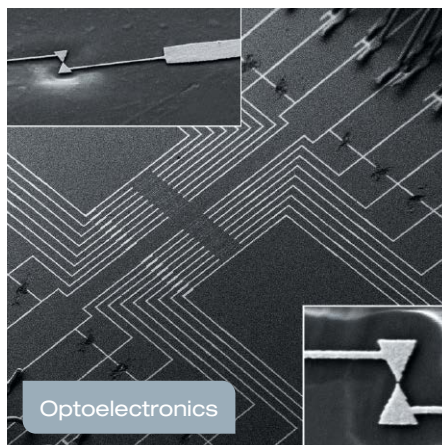
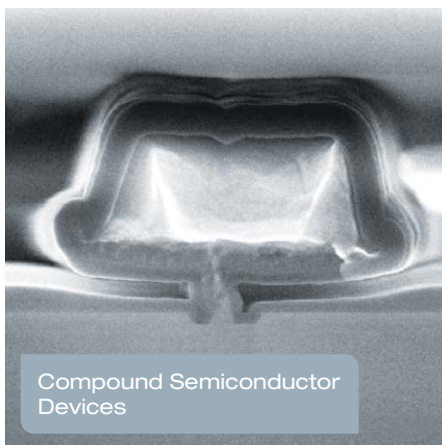
Fully automated multiple wafer handling



Mix & match

Increase throughput and efficiency by combining complementary Raith nano-fabrication 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

Raith America Inc.

Troy, NY
Service EBPg/VB
Application



Raith America Inc.

Long Island, NY
Service, Support

Raith B.V.

Best, NL
Production
Service EBPg/VB
Application



Raith Laser Systems B.V.

Sint-Oedenrode, NL
Production
Service LBL
Application

Raith GmbH, HQ

Dortmund, Germany
Production
Service, Support
Application

Raith China Co., Ltd.

Beijing, China
Service, Support

Raith B.V. – Korea branch
Seoul, Korea
Service, Support

Raith Asia Ltd.

Hongkong
Service, Support

Raith India Pvt. Ltd.
Bangalore, India
Service, Support



For further contact information, please visit our website:

www.raith.com