



# MEMBER PRODUCT CATALOGUE

JULY 2021

@UKNMI



[www.nmi.org.uk](http://www.nmi.org.uk)



@NMI



# WELCOME TO THE NMI MEMBER PRODUCT CATALOGUE

The NMI Member Product Catalogue is an opportunity for our members to promote their products and services to the TechWorks communities. This catalogue will be distributed to a range of experts within industry including: Automotive Electronics Sector, Manufacturing, Suppliers, Electronics Design, Power Electronics and more. NMI will release a Members Product Catalogue on a quarterly basis in order to highlight our members new products and services throughout the year.

Don't forget to click on the product listings for more information. 

If you would like your organisations new products or services to feature next time, please email [ronan.moore@techworks.org.uk](mailto:ronan.moore@techworks.org.uk) for more information.



Champion for the UK Electronics Manufacturing  
and Electronic Systems Industries

# Contamination Control for the Semiconductor Industry

Providing particle monitoring instruments with industry leading sensitivity for Chemicals, DI Water, and Airborne Applications.



$\geq 20$  nm  
in Chemicals



$\geq 20$  nm in  
UPW/DI Water



$\geq 100$  nm in  
Air and Gas



$\geq 70$  ppt  
in Molecular

Click **HERE** to learn more



HORIBA provides an extensive array of instruments and systems for applications ranging from automotive R&D, process and environmental monitoring, in-vitro medical diagnostics, semiconductor manufacturing and metrology, to a broad range of scientific R&D and QC measurements.

# HORIBA

## Explore the future



01604 542 500



[enquiries.uk@horiba.com](mailto:enquiries.uk@horiba.com)



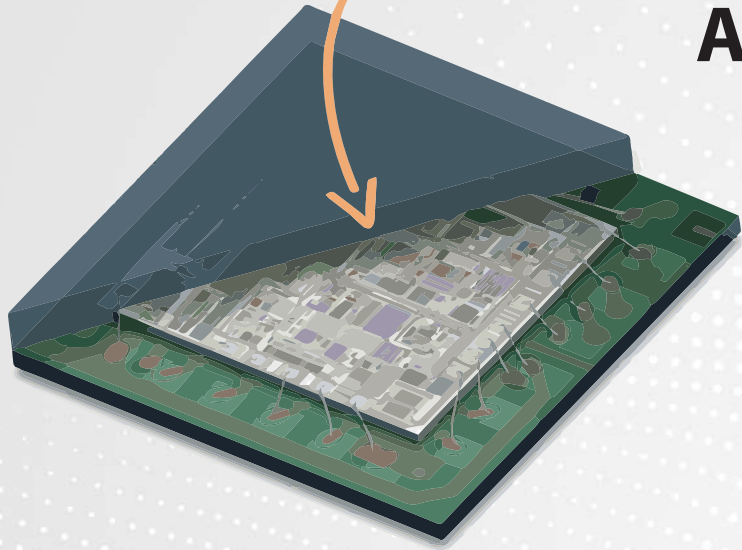
[www.horiba.com/gbr/](http://www.horiba.com/gbr/)

HORIBA competencies in fluid control, measurement and analysis are enabling researchers, developers, original equipment manufacturers and end users to deliver novel solutions to global demands.

With decades of experience in spectroscopy techniques HORIBA supports fabrication process by providing critical data that helps guarantee process efficiency.



*Your Custom ASIC*



# ANALOG, HIGH-VOLTAGE, MIXED-SIGNAL ASIC DESIGN AND SUPPLY

High-end mixed-signal ASICs tailored to your needs  
and exclusively delivered to safeguard your competitive advantage

**LEARN MORE**



+32 16 58 97 00  
[www.icsense.com](http://www.icsense.com)  
[info@icsense.com](mailto:info@icsense.com)  
[www.linkedin.com/company/ICsense](https://www.linkedin.com/company/ICsense)

 **icsense**  
THE IC DESIGN COMPANY



# High Voltage, Pulsed Power & Power Electronics

PPM Power has been a leading specialist distributor of components and systems for high voltage, pulsed power and power electronics, in the UK, since 1994.

Products include power supplies, semiconductors, HV switches, capacitors and resistors, as well as programmable power supplies and cooling solutions to support applications including electric vehicles, subsea and analytical measuring devices. Many products are available as bespoke solutions - contact us to discuss your requirements.

## Product Highlights

### DC Link Capacitors

Unique Power Ring capacitor technology offering low loss, low inductance and a high ripple current rating.



### Thick Film Resistors

Designed for tight tolerance, low inductance & high average power. Devices are available up to 2000 W.



### Silicon Carbide Modules

Compact size and high performance SiC MOSFET modules for high power density applications.





TechWorks recognises organisations who have achieved significant business improvement through development of new products, processes, operational excellence, market innovation and outstanding performance within 2020 and 2021.

The below awards may be of interest to the NMI Community, we invite you to submit a free application. NMI Manufacturing Supplier of the Year Award cannot be applied for, but instead we ask our manufacturers to rank those companies they work with over 4 levels of performance.

## NMI Manufacturing Site of the Year

[CLICK HERE FOR  
MORE INFORMATION](#)



## NMI R&D Excellence Award

[CLICK HERE FOR  
MORE INFORMATION](#)



## NMI Manufacturing Supplier of the Year

[CLICK HERE FOR  
MORE INFORMATION](#)



## Download our Powertrain manufacturing solutions brochure

Learn how Renishaw can help you to adapt production to the requirements of EV design, manufacture and inspection with our digital automotive brochure.

### Your partner for innovative manufacturing

Renishaw is a leading engineering and scientific technology company, with expertise in precision measurement and process control, position and motion control, metal 3D printing and healthcare.

Our industrial metrology solutions and software help manufacturers to maximise production output, to significantly reduce the time taken to produce and inspect components, and to keep their machines running reliably.

In the fields of industrial automation and motion systems, our position measurement and calibration systems allow machine builders to manufacture highly accurate and reliable products. Our position encoders, for example, ensure accurate linear and rotary motion control in a wide range of applications from electronics, flat panel displays, robotics and semiconductors to medical, precision machining and print production. These include magnetic encoders, incremental optical encoders, absolute optical encoders and laser interferometer encoders.



[www.renishaw.com/evsolutions](http://www.renishaw.com/evsolutions)



Renishaw plc, New Mills, Wotton-under-Edge, Gloucestershire, UK, GL12 8JR  
© 2021 Renishaw plc. All rights reserved.



# Semiconductor Supply and Quality Services



RoodMicrotec is a leading independent company for semiconductor supply and quality services. With more than 50 years of experience in the semiconductor and electronics industry, we are well-established as a highly valued partner for many companies worldwide.

## Semiconductor Production Services

- Test program development
- Test hardware design
- Correlation and characterization
- Test data evaluation and optimization of test solutions
- Design for Test (DFT) support
- Wafer test up to 12 inch at -55°C to +200°C
- Automatic Optical Inspection (AOI)
- IC component testing from -40°C to + 125°C
- Tape & reel
- Scanning and straightening
- Device programming
- Long-term storage



## Failure & Technology Analysis

- Decapsulation
- Destructive Physical Analysis (DPA)
- X-ray microscopy
- X-ray computed tomography (3D CT)
- Scanning acoustic microscopy
- Scanning Electron Microscopy (SEM)
- Material Analysis (EDX)



## Qualification & Reliability Services

### Environmental Stress Test

- Temperature Cycling (TC) and Temperature Shock (TS)
- High Accelerated Stress Test (HAST)
- Temperature Humidity Biased (THB)
- High Temperature Reverse Bias (HTRB)
- High Temperature Gate Bias (HTGB)
- High Voltage / Humidity / Temperature Reverse Bias (HV-H3TRB)

### Mechanical Stress Test

- Vibration
- Shock
- Constant Acceleration (CA)

### Lifetime / Reliability

- Burn-In / Monitoring Burn-In
- High / Low Temperature Operating Life (HTOL / LTOL)
- ESD Testing
- Solderability Testing



## Optoelectronic Tests and Characterization

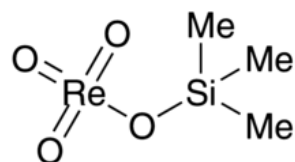
- Lifetime and reliability tests of LEDs, VCSELs, photodiodes
- Electro-optical characterization of emitters and receivers
- Custom development of special reliability tests
- Telcordia GR468 qualification

For more information on our full service portfolio, please visit our website at [www.roodmicrotec.com](http://www.roodmicrotec.com) or contact us at [info@roodmicrotec.com](mailto:info@roodmicrotec.com) or call us at +44 7968 948683

Strem manufactures and markets a wide range of metals for R&D in the pharmaceutical, microelectronics, chemical and petrochemical industries as well as academic and government institutions.

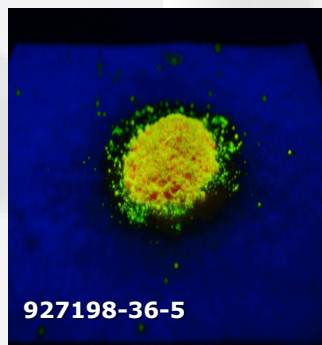
## New Featured products

### New Precursor



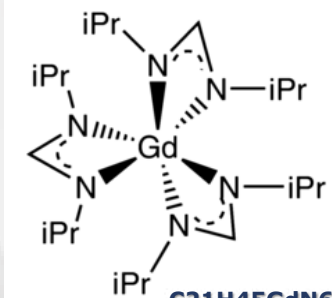
16687-12-0

### Quantum Dots



927198-36-5

### New Gadolinium Metal Amidinate



C21H45GdN6

### Materials of energy application:

<p>20-8200</p>	<p>27-0468 &amp; 27-0469</p>	<p>27-0485 &amp; 27-0486</p>	<p>29-7100</p>
<p>64-3575</p>	<p>26-0145</p>	<p>57-1200</p>	<p>57-1500</p>





# ***SYNERGIE CAD GROUP***

## ***Your Key Partner For All Semiconductor Applications***

We offer a **full turn key solution** with **global support** as a manufacturer of **reliability testing equipment** and **services** for your project journey from **R&D** into **production** and **beyond**



**Engineering**



**Production**



**Qualification & Tests**



**Supply Chain**



**Industrialization  
Support**

- ◆ **Advance PCB Design & Simulation, High Technology PCB manufacturing for critical applications**
- ◆ **Design and Manufacture of Test Interfaces & Test Solutions for the Semiconductor Industry**
- ◆ **Semiconductor services : Device Packaging, Test Program Development, Test and qualification of devices**

email: [sales@synergie-cad.co.uk](mailto:sales@synergie-cad.co.uk)

Tel: +44 (0)1522 520222

Website: <http://www.synergie-cad.com/>

# Latest NMI Members

We'd like to extend a warm welcome to the latest members of the NMI Community: **Adtec Europe Limited, Aesin, Forrest Brown, HORIBA UK, Zuken UK Ltd.** If you would like any help in connecting with our new members or any members within NMI, please reach out and we will be more than happy to make introductions.





ami