



**J C SMALE**  
DESIGN & MANUFACTURING ENGINEERS

**NETZSCH**

**MELBOURNE**

**Monday 12th April**

**1.00pm - 4.00pm**

**RACV Club**

**Theatrette**

**501 Bourke St**

**BRISBANE**

**Wednesday 14th April**

**1.00pm - 4.00pm**

**Brisbane Polo Club**

**Library**

**1 Eagle St**

**SYDNEY**

**Thursday 15th April**

**1.00pm - 4.00pm**

**Sydney Convention &**

**Exhibition Centre**

**Boardroom**

**J C SMALE**

DESIGN & MANUFACTURING ENGINEERS

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[www.jcsmale.com/netzsch](http://www.jcsmale.com/netzsch)

**GRINDING & DISPERSING  
AUSTRALIAN SEMINARS**

INC

**PRODUCTION OF  
NANODISPERSIONS**

The ability to produce smaller and smaller particles has led to a global growth of new grinding technologies.

These technologies can now produce nano – size particles, allowing companies to make products that have significantly different qualities, such as structural strength, smoothness, reflection and biological absorption.

Australian companies and organisations are offered an opportunity to learn the latest production methods being introduced in manufacturing plants and laboratories throughout Europe and the USA.

**TOPICS**

- Grinding and Dispersion Fundamentals
- Wet Grinding (basic and advanced)
- Production of nano-dispersions

**AUDIENCE**

Technical / Engineering / Production / Scientific staff involved in manufacturing in the following industries :

- |                    |             |
|--------------------|-------------|
| • Pharmaceuticals  | • Chemicals |
| • Cosmetics        | • Ceramics  |
| • Surface Coatings | • Ink       |
| • Academia         | • Food      |

**COST**

Free ! (and light refreshments will be available).

**REGISTRATION**

Places are limited at each venue.

Invitation only.

To apply for a place, please register on-line at [www.jcsmale.com/netzsch](http://www.jcsmale.com/netzsch)

Enquiries: Please call Mr Alex Lawson on +61 3 9544 7188 or email [netzsch@jcsmale.com](mailto:netzsch@jcsmale.com)

# PRESENTER

## Dr Stefan Mende

*Dr Eng. (Mech)*

Manager of Research & Development

Sales Support - Life Science & Nanotechnology

NETZSCH-Feinmahltechnik GmbH, Selb/Bavaria,  
Germany



## About Dr Mende:

Since 2004, Dr Mende has managed Netzsch's Research and Development department based in Selb, Germany. His major focus has been on following the academic developments in nanotechnology and industry, identifying requirements for comminution and dispersion equipment and working with customers to meet their process requirements in manufacturing.

He has specialist knowledge in the top-down production of nano-particles as well as desagglomeration of nano-particles produced by bottom-up processes. His experience encompasses many industries, including pharmaceutical, chemical, cosmetics, paint, ink and food.

Academically, Dr Mende achieved his degree in Mechanical Engineering in 1999, studying process engineering and particle technology in the research-oriented Martin Luther University, Halle-Wittenberg and at Freiberg Technical University, Germany.

His Doctorate was achieved in 2004, at the Institute of Mechanical Process Engineering at Brunswick Technical University with a Phd thesis on the mechanical production of nano particles in agitator bead mills, published as ISBN 3-86537-032-3.

The NETZSCH Group is a globally active family-owned enterprise headquartered in the Bavarian town of Selb, Germany with three independently operated business units.

The Grinding and Dispersing business unit offers a comprehensive range of products for the many challenges faced in mechanical process engineering. These products are primarily involved in the areas of wet and dry grinding, mixing, dispersing, de-aeration and classifying. The Netzsch laboratory and production-scale machines are used in almost all areas of industry.

<http://www.netzsch-grinding.com/en/home.html>



J C Smale is an Australian family-owned engineering company with a global customer base of production / manufacturing systems.

The licensed agent for Netzsch's Grinding and Dispersing business unit in Australia, J C Smale works together with Netzsch to offer you a combination of skills in manufacturing and production, bundling their material handling know-how with an extensive range of grinding and milling machines that provide solutions for customer-specific problems.

<http://www.jcsmale.com/netzsch.htm>