

# Advanced Processing Facilities

Custom Manufacture



## Current commercial scale facilities include:

### High Temperature Processing

Commercial scale batch and continuous furnaces operating under inert conditions and up to 1000°C. This versatile equipment, in a state-of-the-art manufacturing environment, facilitates many specialist techniques including: Chemical Vapour Deposition (batch and continuous) Gas-solid reactions and other specific reactions including:

Reductions and Oxidations

Drying and Calcination

Catalyst processing and activation

### Pilot Scale Laboratories

Versatile pilot scale laboratories support not only the commercial scale operations, but also facilitate the production of validation quantities under highly controlled conditions. Facilities include:

Furnaces operating under inert conditions to 1000°C.

Low-temperature processing

Liquid-solid reactions

Dissolution

Controlled precipitation

Vacuum and Inert atmosphere heat treatments and mixing

Heat, vacuum and freeze drying processes

High-speed shear mixing / high throughput sonication



  
**Thomas Swan**  
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