



Baikowski<sup>®</sup> 

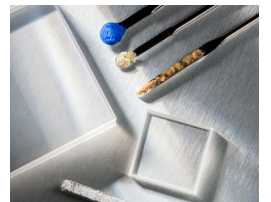


# Solution partner for **FINE MINERALS**

For over 115 years, Baikowski<sup>®</sup> has been developing a unique, advanced **nanomaterial** offer:

- **High purity alumina** (Baikalox<sup>®</sup> & others)
- **Phosphors** (YAG, LuAG)
- **Spinel** (Magnesium aluminate)
- **Zirconia** (Yttried & Alumina Toughened)
- **Ceria** (Cerium oxide)
- **Polishing solutions** (BaikoPolish)
- **Nano-dispersions**

Thanks to the use of proprietary manufacturing processes, worldwide presence, strong R&D team, proven methods and cutting-edge equipments, we create the optimal solution **specifically designed for your needs and high-end applications.**

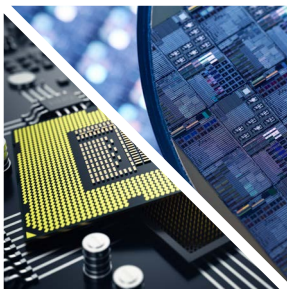


# HIGH-END APPLICATIONS



BIOCERAMICS

CERAMIC MATRIX  
COMPOSITES



CHEMICAL  
MECHANICAL  
POLISHING

CONVENTIONAL  
LIGHTING



LIGHT CONVERSION  
PHOSPHORS

POLISHING  
SOLUTIONS



TECHNICAL  
CERAMICS

TRANSPARENT &  
TRANSLUCENT  
CERAMICS

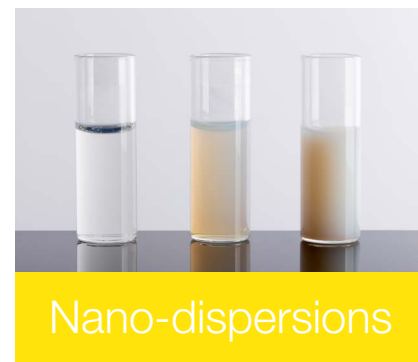
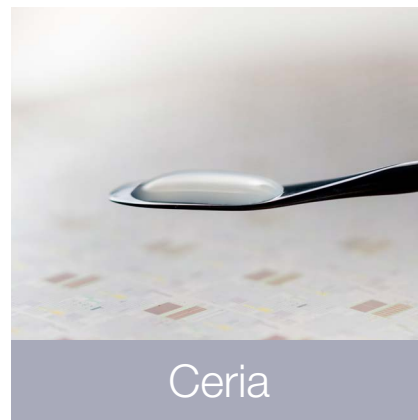
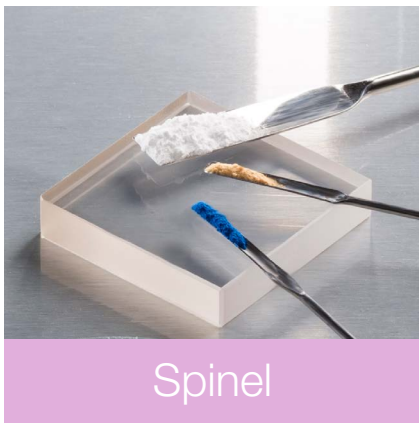


WATCHMAKING



Baikowski

# CHEMISTRY RANGE



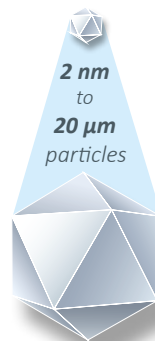
# CUSTOMIZED SOLUTIONS

## 1. Chemical composition & purity

Stoichiometry - Dopants - Pure from 99.9% to 99.99% and beyond

## 2. Physical characteristics

Specific Surface Area - Mean Diameter - Size Distribution - Sinterability - Flowability...



## 3. Shape & formulation

**Powder:** agglomerated, deagglomerated

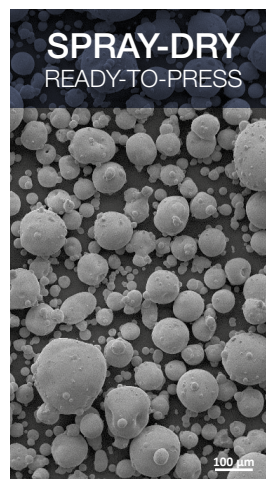
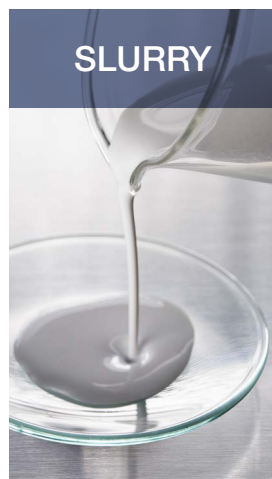
- » Jet Mill (-CR)
- » Ball Mill (-DBM)
- » Wet Mill (-PS)

**Slurry** in various solvents

**Spray dried** powder (-W)

**Spray dried powder with binder system** (-WL), *Ready-To-Press*

> We have a **strong R&D team** of passionate, skilled people working on varied technical subjects brought by our customers. A dedicated team follows up the project all along the set up in our customer's facilities, to **make sure the product is adapted to our customer's process**. If ambitious scale-up targets are set, our pilot unit can deliver **from 1kg to several tons** of tailor-made products in record time.



Our approach guarantees a product adapted to our customer's process while keeping quality consistency.

> Our innovation relies on **proven methods and state-of-the-art equipments**.

- High resolution **ICP-AES** and **XRF** (X-Ray Fluorescence), to quantify the minor & major elements respectively
- **XRD** (X-Ray Diffraction), **Scanning Electron Microscope** (SEM, equipped with EDS), **optical microscope**... are among the technics to image the microstructure and characterize the physical properties of our products
- **Laser diffraction particle size analyzer** equipments (Horiba LA-960...), **rheometer**, **high precision DSC-ATG**... are routinely used to characterize and develop the right shape and formulation of our products.



# WORLDWIDE COMPANY



R&D



SALES OFFICE /  
SALES AGENT



MANUFACTURING



RAW MATERIAL SOURCE  
100% OWNED



Baikowski 



Your solution partner for fine minerals



Baikowski® 

© BAIKOWSKI® A/2020/EN

**Baikowski® SA**  
France | Poisy | ☎ +33 4 50 22 69 02

**Mathym® SAS**  
France | Lyon | ☎ +33 4 78 83 72 93

**Baikowski® Malakoff Inc.**  
USA | Malakoff (TX) | ☎ +1 903-489-1910

**Baikowski® International Corp.**  
USA | Charlotte (NC) | ☎ +1 704-587-7100

[www.baikowski.com](http://www.baikowski.com)  
[sales@baikowski.com](mailto:sales@baikowski.com)



Follow us:    

**Sales Representative in China**  
China | Shanghai | ☎ +86 21.6289.2883

**Baikowski® Korea Co, Ltd.**  
Korea | Seoul | ☎ +82 255.281.97

**Baikowski® Japan Co, Ltd.**  
Japan | Chiba | ☎ +81 474.73.8150

The information and data contained in this document are based on tests believed to be reliable and are indicative only. They are given to demonstrate the typical values attached to every single product in the range, but should under no circumstance be considered as a formal commitment. Depending on the measurement methods and/or instrumentation, the results may vary from information provided herein. Baikowski® and its related companies (subsidiary and affiliated companies) are neither responsible nor liable for results obtained from the use of the products. Because of numerous factors affecting results, Baikowski® makes no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Each purchaser must conduct its own testing for safety and regulatory evaluations. **Baikowski SA reserves the right to change the information given herein without prior notice.**