INTOCERAMICS

Uncovering Value in Mineral Waste

IntoCeramics brings more than 70 years of boots-on-the-ground experience in manufacturing operations and leadership.

Our core expertise is ceramics with our combined years of working in the trenches giving us practical perspective to guide our clients to a variety of effective solutions.

OUR SERVICES

CERAMIC CONSULTING





TOLL/CONTRACT MANUFACTURING

RESEARCH & DEVELOPMENT





FULL-SERVICE PROCESSING LABORATORIES

WASTE STREAM MINERALS





TOLL/CONTRACT MANUFACTURING

IntoCeramics offers sophisticated contract manufacturing, also known as toll manufacturing, with a wide range of specialized equipment and processing knowledge to assist our clients.

Contract Manufacturing Services at IntoCeramics

IntoCeramics can offer targeted tolling/contract manufacturing services for you whether you are in a Research and Development stage, to scalable pilot volumes, or need additional production to supplement your market demand.

High-intensity counter-current mixing/granulating system - 75-liter capacity

- Powder mixing
- Powder/liquid mixing
- Granulating a wide range of particle sizes and materials

Netzsch Labstar Bead Mill for Ultra-Fine Milling

- Ultra-fine wet milling of hard-to-mill powders and minerals
- Particles sizes below 1 micron
- · Highly effective dispersions at low concentrations

JC Steele Extruder

- Hi-throughput in vacuum-capable screw extrusion
- Non-plastic materials can be formed through extrusion with mineral or polymer plasticizers

Calcining, Sintering, and Drying

- Multiple electric kilns and driers available
- 1700° capable
- Air and Nitrogen blanket atmospheres available

Wide range of crushing/sizing and screening equipment

• Jaw crusher

• Wet and dry screening

• Twin roll crusher

18" and 24" Sweeco Style Screeners

Ball mills

Other

• Pan Granulator

- 10-ton capable Carver hydraulic press for custom shapes
- RVO2 Eirich 10-liter mixer
 Shimadzu Laser Diffraction Particle Analyzer
- 30-ton programmable hydraulic pressing for small samples

WE SUPPORT YOU FROM START TO FINISH



Laboratory Analysis

Analyze and evaluate your bulk material to determine potentially exploitable minerals for extraction and processing.



Formulation & Testing

Process and blend minerals derived from your source material and test their effectiveness as raw materials for ceramics.



Pilot Scale Validation

Test the process developed for your source material, producing pilot-scale batches for evaluation by potential end-users.



Process Design & Construction

Design manufacturing processes, specify equipment, and represent you during all phases of construction and start-up.



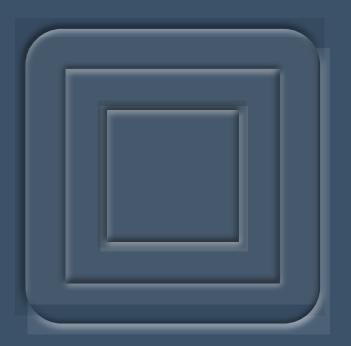
Plant Operation & Optimization

Analyze and evaluate your bulk material to determine potentially exploitable minerals for extraction and processing.



Commercial Viability

Leverage network of industry decision-makers to introduce your product to the market and find commercial outlets.



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