



# Capabilities and Services Available at Riverland Industries

## Personnel

Team of experienced materials processing, manufacturing and quality control personnel. Founded in 1999

## Capabilities

Equipment & support facilities to deliver a variety of processing services. Certified to the ISO-9001:2015 standards

## Tech Service

World class expertise to solve problems

## Production Services and Equipment

### Size Reduction:

- Air Classifier Mills (Several types and sizes)
- Swing Hammer Mill
- Roller Mill
- Roll crusher

### Size Separation

- 60" Vibratory Screens (1" to 200 mesh)
- Air Classifiers

### Impregnation and Blending:

- Double Cone Blender
- Paddle Mixer
- High Shear Mixer

### Packaging

- Boxes
- Drums (Fiber or Steel)
- Super Sacks
- Custom Packaging
- Transloading to and from Railcars or Bulk Trucks

### Heat Treating:

- Fluid Bed Calciners (direct)  
Ring Dryer (to 150°C)  
Flash Calciners (to 600°C)
- Belt Dryers  
SS with temp to 450°C
- Rotary Kiln (indirect)  
Product temp up to 815 C

### Forming:

- Agglomerating: spherical 1/2" to 1/16"
- Granulating: 1/16" to 1/100"
- Extrusion: cylinders (Mixed Oxides)

### Laboratory and Q.C.:

- Moisture (FM, LOI, Static Sorption)
- Particle Size (Laser diffraction, Sieves)
- Analytical (Impurity elements by ICP)
- Physical (Crush Strength, Abrasion loss/Attrition)
- Surface Area (BET Nitrogen Adsorption)
- Porosimetry (Mercury and Water Pore Volume)