



Buntrock Industries, Inc.

Investment Casting Supplies





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Buntrock Technology
Laboratory
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A full Service Investment
Casting Laboratory



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Tom Branscomb

Technical Director

- M.S in Ceramic Engineering
- 40+ years experience
- 4 US patents
- Author of numerous technical papers



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Capabilities Include:

- Customer Assistance
- R&D
- Testing
- Particle Characterization



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Customer Assistance

- Slurry testing verification
- General process control assistance
- General process control identification
- Help customers solve problems



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R&D

- Development of new shell systems
- Development of new slurries
- Development of refractory blends
- Development of binder blends
- Development of additives



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Slurry Testing

- pH measuring
- % SiO₂ verification
- Slurry density
- Slurry total solids
- Bacteria and mold determination
- Surface tension
- Viscosity testing
- Plate weight



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Shell Testing

- Shell firing to 2100 F
- MOR (room temperature to 2100 F)
- Green and fired permeability
- High temperature slump
- Thermal expansion



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Particle Characterization

- Microtrac S3500 0.086-1408 μm particle size analyzer
- Monosorb surface area analyzer
- Stereo microscope 10X to 45X
- Screen analysis of stuccoes