

Keycote® System

The KEYCOTE system offers foundries exceptional slurry life, reduced labor and disposal costs and significant time savings. Foundries that have made the switch from their previous slurry systems have already recognized these advantages and more. The KEYCOTE system also features excellent wax adhesion characteristics, reduced surface defects, excellent wetting ability and microbial defense characteristics.



Foundry #1 – 300 Gallon Primary Slurry Tank

Foundry #1's previous primary slurry used a performance-enhanced, colloidal silica-based binder and zircon flour. The previous slurry was dumped and rebuilt every 6 months.

Annual material costs associated with topping off and periodically rebuilding this slurry were approximately \$65,000.

Foundry #1 converted to the KEYCOTE system slurry and saw a significantly improved slurry life of 22 months, more than 3 times the previous slurry life.

The Foundry also noted the following advantages after making the conversion to the KEYCOTE system:

- The KEYCOTE system slurry provided a 20% cost reduction versus the previous slurry, not including the cost of labor time and disposal costs associated with rebuilding the previous slurry.
- Labor time and costs associated with dumping and rebuilding the slurry were reduced.
- Disposal costs associated with dumping and rebuilding slurry were reduced.

Foundry #2 – 70 Gallon Primary Slurry Tank

Foundry #2's previous primary slurry used a performance-enhanced, colloidal silica-based binder and zircon flour. The previous slurry was dumped and rebuilt every 6-8 weeks.

Annual material costs associated with topping off and periodically rebuilding this slurry were approximately \$15,000.

Foundry #2 converted to the KEYCOTE system slurry and saw a significantly improved slurry life of 9 months, nearly 5 times the previous slurry life.

By making the conversion to the KEYCOTE system slurry, Foundry #2 also realized a 32% cost reduction versus the previous slurry, not including the cost of labor time and disposal costs associated with rebuilding the previous slurry.



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