

BANDUST™ Technology Investments

Respirable crystalline silica presents a health hazard in the investing room and silicosis has been a concern for jewelry casters for years. Historically, reducing the out-of-package exposure hazard for the operator has eluded manufacturers. Until now.

Ransom & Randolph's BANDUST™ technology significantly reduces respirable quartz and cristobalite exposure through a unique manufacturing process that allows us to bind typically respirable particles to the dry investment powder during manufacturing.

Patented BANDUST technology significantly impacts the casting environment, providing immeasurable impact to the overall health and safety of casters. R&R is investing in research to create innovative technologies to change the face of investment casting. Our flagship products are now available with this groundbreaking technology.



Based on third-party industrial hygienist air sampling test results, BANDUST technology **significantly reduces total respirable dust – up to 97% versus standard R&R jewelry investments and as much as 99% when compared to other jewelry investments.**

Additional testing for respirable dust was conducted during the quench phase of the casting cycle. The industrial hygienist reported **no measurable respirable dust from BANDUST technology flasks.**

Casters using BANDUST technology products indicate noticeably **less dust overall during the investing process.**

Casters also noted the added benefit of improved housekeeping overall. Casting quality is maintained with **excellent final casting results and no process changes** are required during the investing stage.

- Up to 99% less respirable dust exposure during the investing process, depending on which conventional investment you use.
- No measurable respirable dust during quench.
- Less total dust overall during the investing process.
- The high standard of casting excellence that only R&R provides.

PRODUCT DATA SHEET



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Issue Date: 022717 / Replaces: 082316

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