

Ransom & Randolph

MAY-JUN
2021



CASTING CONNECTION



Introducing FiberStone™



R&R is excited to announce the launch of FiberStone™ resin die stone, a patent pending, Type IV die stone!

Type IV Die Stone

- Reinforcing fibers
- Inhibits cracks
- Reduces breakage and chipping
- Reduces pins
- Fewer repours

Dental stone models are subject to various handling requirements and require sufficient strength to allow manipulation of the model without breaking or chipping. With difficult cases, pins are placed in the model while the dental stone mixture is being poured into the impression mold to stabilize the model and prevent it from breaking or chipping. Unfortunately, this can increase the amount of time and costs for making the model. Moreover, if a model breaks, a new model needs to be created, which can increase time and costs further.

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Jewelry Injection Wax Guidelines: Injection Pressure

Jewelry casters use specially formulated injection waxes to produce high quality wax patterns.

To make the most of the inherent features and benefits in your jewelry injection wax, R&R recommends following these simple guidelines for **injection pressure**.

Always inject molds at the lowest possible pressure setting (typical injection pressures range from

2-10 psi). This will eliminate or minimize flashing and mold lines, greatly reduce clean up time, and will ensure similar pieces are the same weight. Improving pattern injection often results in reduced metal loss and faster finishing later in the process.

Remember to clear the nozzle before starting injections. This will balance the nozzle temperature and promote a more efficient wax flow into the mold.



Looking for other technical tips or just need general technical support?

- Visit us online at: www.ransom-randolph.com/technical-tips
- Or email our technical team at: Technical@ransom-randolph.com

MJSA Expo

The Longest-Running Show
for Jewelry-Making Tools,
Technologies, Supplies,
& Services

New Date: Spring 2022

Venue: Javits Center, New
York City

Learn More: [misa.org/
eventsprograms/
mjsa_expo](http://misa.org/eventsprograms/mjsa_expo)

**Look for R&R at next year's
show!**

MJSA Expo Rescheduled

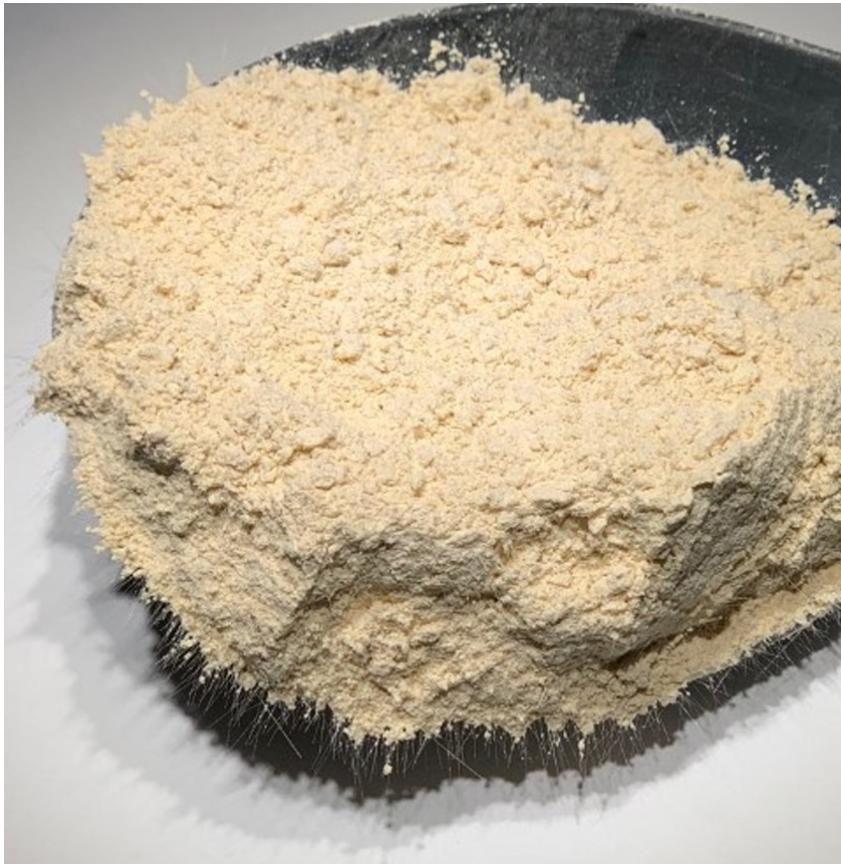


We are currently in discussions with the Javits Center to secure dates—the Javits team is identifying optimal dates between late February and April—and we hope to provide you with new dates within the next weeks,” said David Cochran, MJSA President and CEO. “While we are disappointed not to be able to bring back Expo this year, we understand the concerns and believe this decision is best for the success of the show. Again, thank you for your support and understanding during this time. When Expo returns, we have no doubt it will be worth the wait.”

The MJSA Expo is the largest and oldest show dedicated to professional excellence in jewelry making and design. Thousands of buyers fill its aisles and connect with the industry’s finest suppliers and service providers. They can also find renowned experts within easy reach, thanks to Expo’s world-class seminar program.

**MJSA Expo rescheduled from
August 2021 to Spring 2022**

“We have always said that our goal is to ensure that, when Expo returns, it can deliver the experience we all want and expect. After listening to your concerns and discussing them with the MJSA board, we are going to wait until the spring of 2022 to bring back Expo.



Introducing FiberStone™

• continued from page 1 •

R&R's team of ceramic engineers recognized the opportunity to improve on historical die stones, resulting in FiberStone resin die stone.

Similar to rebar in concrete, this revolutionary formula includes reinforcing fibers to provide greater model integrity and reduce time and costs often associated with standard dental stones.

With these trailblazing reinforcing fibers, FiberStone resin die stone inhibits the generation and expansion of cracks in the model, reducing breakage and chipping during model manipulation and cutting.

FiberStone resin die stone can reduce the number of pins required during the model building, requiring fewer repours.

"We are excited to announce the launch of this next generation dental stone," said Daniel Nixon, President, "we are confident its patent-pending technology will assist traditional dental labs making dental stone models."

In dental lab trials, FiberStone resin die stone was reported to have approximately 50% less model breakage, which resulted in fewer repours and requiring less pins than standard dental stones.

Buy Now

shop.ransom-randolph.com/fiberstone

Learn More

www.ransom-randolph.com/fiberstone

Dental Catalog

To view R&R's complete line of dental lab products or to download a catalog, visit:

www.ransom-randolph.com/dental



Sam Duncan
Sales Engineer – East
Coast Region



Ralph Carter
Product Development
Manager



Mindy Rosenberg
Controller

Congratulations, Sam Duncan!

R&R is pleased to announce Sam Duncan's promotion to Sales Engineer – East Coast Region. In this position, Sam will be responsible for managing customer needs, conducting field evaluations and troubleshooting problems. He will serve customers in the United States in AL, AR, CT, DE, FL, GA, KY, LA, ME, MD, MA, MS, NH, NJ, NY, NC, OH, PA, RI, SC, TN, VT, VA, and WV, as well as customers in Canada in NB, NL, NS, ON (Toronto), PE, and QC.

Sam joined R&R's Technical team in 2018 as a Product & Application Engineer. Sam replaces Ralph Carter, who was promoted to Product Development Manager for solid mold, jewelry and dental product lines.

Contact Sam
419-340-3770 (mobile)
sduncan@ransom-randolph.com

Please join us in congratulating Sam in his new role!

Congratulations, Ralph Carter!

R&R is pleased to announce Ralph Carter's promotion to Product Development Manager for solid mold, jewelry and dental product lines.

Throughout his career, Ralph has cultivated extensive experience in quality control, product development and sales, having held positions at R&R and USG. Ralph, previously held the Technical Sales Manager position for the East Coast region in North America.

Ralph's new key responsibilities include: product development; sourcing assistance; assisting the Quality department with product knowledge, testing and best practices; and special projects.

Contact Ralph
203-500-1797 (mobile)
rcarter@ransom-randolph.com

Please join us in congratulating Ralph in his new role!

Welcome, Mindy Rosenberg!

R&R is pleased to welcome Mindy Rosenberg to the R&R team as Controller.

Throughout her career, Mindy has developed extensive experience in corporate and divisional accounting roles within the manufacturing, metals recycling and food supply industries.

Mindy earned a Master of Organization Leadership and Bachelor of Science from Lourdes

University, Sylvania, Ohio. She resides with her husband and children in Sylvania, Ohio.

Contact Mindy
419-794-1217 (direct line)
mrosenberg@ransom-randolph.com

Please join us in welcoming Mindy to the R&R team!

High Performance, Industry Leading Binder

Developed to optimize ceramic shell slurries, Primcote® binder is the investment casting industry's leading colloidal silica based primary binder. Primcote binder was formulated to eliminate buckling, lifting and cracking of primary shell coats.

Primcote binder allows faster drying of primary coats with lower humidity and/or increased air circulation. Shell coats using Primcote binder can not be over dried as shell coats using standard colloidal silica can.

Primcote binder contains a wetting agent, an antifoam agent and a color indicator to monitor shell dryness, as well as several other proprietary ingredients. Primcote binder is compatible with conventional refractory materials and shell room equipment.

Whether casting simple or complicated parts, Primcote binder is the industry's primary binder of choice.

Learn More: www.ransom-randolph.com/primcote

Buy Now: shop.ransom-randolph.com/primcote



New Dental Lab Catalog

R&R is excited to announce the release of a new catalog featuring a comprehensive line of traditional dental laboratory products.

R&R's dental lab catalog includes stones and plasters, duplicating materials, waxes, investments, abrasives, and equipment. It also includes several historical Dentsply Sirona lab products, recently acquired by R&R, including Castone® dental stone, Perflex® duplicating material, and Vulcan® burnout furnaces. The easy-to-use layout provides a quick and straight-forward way for customers to peruse R&R's offerings.

"We are pleased to present our traditional dental lab customers with this new catalog," said Daniel Nixon, President. "R&R will continue to work diligently to ensure the availability of the products that dental labs use daily

and look to expand our product offering to meet their needs."

Founded in Toledo, Ohio in 1872, R&R was one of the first dental manufacturers to publish a comprehensive catalog and quickly became a worldwide leader in the dental industry, merging with Dentsply International in 1964. In 2020, R&R set its sights as an independent business to proudly offer traditional lab products worldwide once again under the R&R brand. In this time of change our approach is simple, offer the products our customers need today. We trust that with every purchase, you will experience our vast years of knowledge, quality, and service.

To view R&R's complete line of dental lab products or to download the catalog, visit: www.ransom-randolph.com/dental today!



Eliminate Drying Guesswork

ReDip™ indicator takes the guesswork out of shell drying. For use with water-based binders, the color indicator prevents loss due to sloughing of undried coats, reduces time spent overdrying shells and allows the caster to produce stronger shells by ensuring that each coat is fully dried before applying an additional coat.

ReDip indicator's unique composition tells you exactly when the moisture is out of the shell with a simple, visible color change. With ReDip indicator, wet shells are greenish-yellow in color, dry shells are orange. During firing, the indicator is burned off and the shell returns to its normal color.

ReDip indicator is inert and will not affect the slurry or shell in any way.

ReDip indicator is non-toxic and non-hazardous.

Application Recommendations

Use 1 to 1.5 parts ReDip indicator to 200 parts binder, by volume, in your slurry for drying control with color.

Understanding what slurry additives do, when to use them and how to use them properly is imperative to appropriately maintain slurry life and performance.

Learn More

www.ransom-randolph.com/redip

Buy Now

shop.ransom-randolph.com/redip

Ask about ReDip indicator and take the guesswork out of shell drying today!

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Ransom & Randolph



At R&R, *Investing with Innovation™* is more than just a slogan, it's a way of life. Dedicated to advancing the investment casting industry, we take pride in providing foundries with extensive process knowledge, exceptional technical expertise and innovative product technology. By coupling our revolutionary product developments with our experienced staff, manufacturing and warehousing facilities, we successfully help you become a casting industry leader.

R&R's core businesses are comprised of ceramic shell, industrial mold, jewelry and dental investment casting.

R&R takes great pride in providing customers with a pleasant procurement experience. R&R's Maumee, Ohio based customer service team services North America and US export customers. Our UK-based agent, HTM Tradeco, Ltd., provides service for the European Union. From initial order placement through delivery, R&R's customer service team takes responsibility for accurate and efficient processing of your material needs. As a result, R&R's customer service team is unmatched in the industry.

Investing with Innovation™