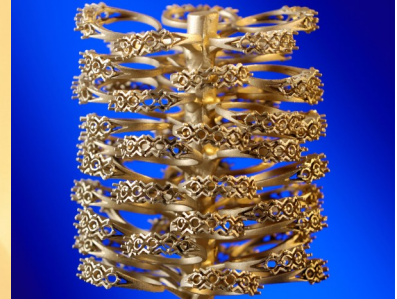




CASTING CONNECTION



R&R Welcomes Sam Duncan



R&R is pleased to announce Sam Duncan's appointment as Product & Application Engineer. In this role, Duncan will be responsible for technical support to R&R customers, providing comprehensive product solutions and troubleshooting process issues.

Duncan joins the R&R team with experience in quality control and research and development, having interned at GreenLeaf Corporation for three semesters. His responsibilities included extensive work with various analytical equipment and techniques to identify material defects. He also had experience with casting and sintering of ceramics into thin strips and tapes as well as additive manufacturing.

"I am proud to announce the appointment of Sam Duncan as our newest Product & Application Engineer," said Mike Hendricks, R&R Applications Engineering Director. "We are confident that he will continue our tradition of providing foundries with exceptional process knowledge, technical expertise and innovative product technology."

Duncan graduated from Penn State University in State College, Pennsylvania, earning his Bachelor of Science in Materials Science and Engineering. Throughout his college career, Duncan was a very active member of the crew program, rowing for eight consecutive semesters and serving as Team Captain and Team Travel Coordinator.

Sam can be reached at: Sam.Duncan@dentsply.com or 419-794-1254.

Please join us in welcoming Sam to the team!

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Join the Community!

R&R is excited to announce the launch of our company page on Facebook!

Our company page will feature content, such as:

- New product launches
- Company announcements
- Events (i.e., seminars,

tradeshows)

- Employee promotions
- Industry-related content (i.e., relevant industry articles & breaking news)
- And more!

Check it out: www.facebook.com/ransom.randolph



Join the Community! Follow us on Facebook today!

Have a Ceramic Shell Question?

Ask our ceramic shell expert!



Dave.Berta@dentsply.com

For more ceramic shell FAQs, visit: www.ransom-randolph.com/ceramic-shell-faqs

Ask the Expert

Q: What is slurry control, why do I need to do it and how do I conduct the tests required to control a slurry?

A: Slurry control is the process of running a series of tests on the slurry and comparing results to the specifications.

Once this is done, action can be taken and additions will likely be required to bring the slurry parameters back into specifications.

By keeping a slurry in control (i.e., in specifications) the slurry will perform at its best and will have the maximum slurry life.

There are many tests that can be run to control a slurry:

- Slurry Viscosity
- Slurry Density
- Total Slurry Solids & Refractory Solids
- Binder Solids & Specific Gravity
- Binder pH
- Gelation Test
- Antifoam Test

Each of these tests is described in detail in our [Slurry Control Technical Tip](#).

Have a Jewelry Question?

Ask our jewelry expert!



Mike.Stover@dentsply.com

For more jewelry FAQs, visit: www.ransom-randolph.com/jewelry-faqs

Ask the Expert

Q: What is the highest flask temperature you would recommend for Ultra-Vest® investment?

A: ULTRA-VEST investment molds will stay stable up to 1400 °F (760 °C). Normally, you would not have a need to get the flask this hot.

Once the mold has been cured and fired, reduce the oven temperature to the desired casting temperature.

If you ever have to delay casting and your oven is filled with burned out molds, hold the molds at the desired casting temperature.

If you cannot complete the casting, do not drop the temperature below 400 °F (205 °C). Cast as soon as possible.



NEW! 100 lb. Pails



R&R Introduces New 100 lb. Plastic Jewelry Investment Pail

- Investment material will be packaged in a liner inside the square, plastic pail
- **Dimensions:** 12d x 13³/₄w x 20¹/₂h inches
- **Quantity/Pallet:** 24 drums
 - 2400 pounds net weight
 - 2550 pounds gross weight
- **Pallets/Container:**
 - 10 pallets of 24 pails
 - 10 pallets of 18 pails
- **Pallet dimensions:**
 - 48 x 42 x 46 inches (pallet of 24)
 - 48 x 42 x 37 inches (pallet of 18)

Note: for Euro pallets, add 1½ inches to height

Call us at 800.800.7496 and get your quote today!



Save the Date: T. Gold/Vicenzaoro

Calling all jewelry casters!

When: January 18-23, 2019

Save the Date!

Where: Vicenza, Italy

What:

T. Gold is an international exhibition of gold and precious machinery and gemological instruments.

Stop in and see us!

Pavilion: Pad/Pav 9
Stand No.: 130A

Learn more at:

www.vicenzaoro.com/en/t-gold

Vicenzaoro January is an international exhibition of gold, jewelry, silverware and gemstones.



**INTERNATIONAL
JEWELLERY TECHNOLOGY
SHOW** 18|23 JANUARY 2019

Organised by
**ITALIAN
EXHIBITION
GROUP**
Providing the future
VICENZAORO.COM

Stop in and see us! We look forward to seeing you at the show!

Contact Us

3535 Briarfield Boulevard
PO Box 1570
Maumee, Ohio 43537 USA

US Toll Free: 800.253.4502
US Phone: 419.865.9497

US Fax: 419.865.9997

Email:
RR-Marketing@dentsply.com

Web:
www.ransom-randolph.com

Social:



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 is a wholly owned subsidiary of Dentsply Sirona (NASDAQ: XRAY).

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™