



CASTING CONNECTION

The Sphere is Back!



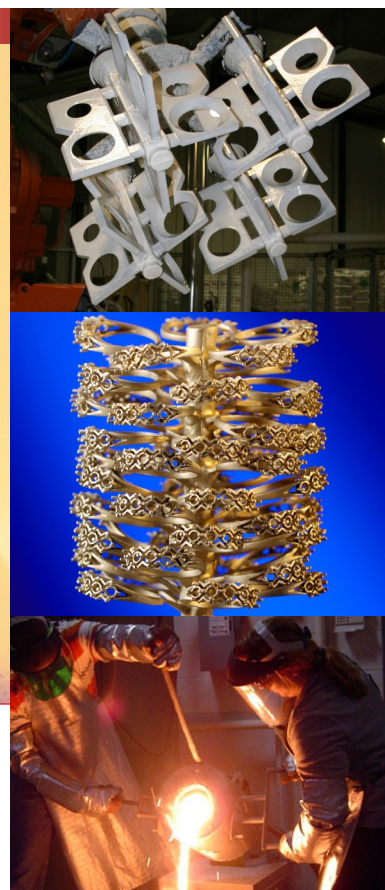
R&R is excited to announce the relaunch of *AquaSphere™* jewelry injection waxes! **The sphere is back...**the shape casters love is back and better than ever! Plus, now available in 44-pound cartons for easy UPS and FEDEX shipping!

AquaSphere jewelry injection waxes were scientifically developed to meet the vast needs of jewelry casters, no matter their specific application. Characteristics such as flow, toughness, durability, replication of detail, ductility, memory and release have all been engineered into these exceptional waxes to make them the ideal fit for everyone! ***Whether you have difficult draws, are looking to inject thin or thick sections, produce extra fine detail, or require extra toughness, there is an AquaSphere wax to meet your needs.***

All AquaSphere waxes can be injected into all conventional rubber mold materials as well as typical aluminum production dies. AquaSphere waxes offer exceptionally consistent results and are manufactured using only the purest synthetic and highest quality natural raw materials available in the industry, which results in extremely low ash residue (0.003-0.007%) and enables exceptionally clean burnout and accurate reproductions. All AquaSphere waxes undergo stringent quality control testing in a state-of-the-art laboratory to ensure the highest level of quality. AquaSphere waxes are sold in pastillated form and come in a variety of formulas and colors.



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Carel Wegman

*Slurry Analysis
& Shell Material
Testing Methods*

Bastian Schulte

*A Comprehensive
Analysis of Viscosity
Measurements*



EICF Webinars on YouTube

In May, June and July of 2020, The European Investment Casters' Federation hosted a series of technical webinars addressed to foundries.

R&R was pleased to present *Slurry Analysis & Shell Material Testing Methods* and *A Comprehensive Analysis of Viscosity Measurements* in June.

Slurry Analysis & Shell Material Testing Methods, presented by Carel Wegman, R&R Application Engineer, originally aired on June 3, 2020. Carel presented the following topics: about R&R (company overview, history and products), slurry analysis and control (why slurry control?, colloidal silica background, slurry control test procedures and slurry

corrections), and shell material testing methods (common technology and present/new technology).

A Comprehensive Analysis of Viscosity Measurements, presented by Bastian Schulte, R&R Application Engineer, originally aired on June 30, 2020. Bastian presented the following topics: the purpose, background, methodology and best practice tips for testing and analyzing slurry viscosity and what it means to a foundry.

Both webinars are now available to watch on the [R&R YouTube channel](#):

- [Slurry Analysis & Shell Material Testing Methods](#)
- [A Comprehensive Analysis of Viscosity Measurements](#)

Dental Stones & Plasters Now Available Online!

We are excited to announce the following dental stones & plasters are now available for order through our webstore:

- Ortho-Plaster
- Plaster (Regular & Fast)
- Orthostone
- Uni-Rock™ dental stone
- Master Model™ die stone (Blue, White & Pink)
- Tuff-Stone™ die stone



R&R dental stones & plasters are specifically designed for casting dental models that can be used to make custom trays, orthodontic appliances and mouth guards and to diagnosis for prosthetic or orthodontic treatment.

Shop our webstore at:
shop.ransom-randolph.com/dental-casting-modeling
Learn more about our dental products at:
ransom-randolph.com/dental

The Sphere is Back!

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AquaSphere wax

A general-purpose jewelry injection wax. Its unique formula makes it ideal for a wide range of designs, while offering high fluidity and very fine detail reproduction. Colors: aqua, blue, pink, red

AquaSphere Plus wax

An all-purpose jewelry injection wax. Its unique formula makes it ideal for a wide range of designs, while offering an excellent balance of characteristics. Color: blue

AquaSphere Filigree wax

(minimum order quantity 2 pallets)

A jewelry injection wax designed exclusively for delicate filigree designs. Its unique formula makes it ideal for highly detailed patterns that demand superior strength and flexibility, while offering an excellent balance of characteristics. Color: pink

AquaSphere Stone wax

(minimum order quantity 2 pallets)

A jewelry injection wax offering the most plasticity, flexibility and ductility in the AquaSphere family. Its unique formula makes it ideal for metal molds and stone-in-place casting. Color: blue

AquaSphere Stone HV wax

(minimum order quantity 2 pallets)

A jewelry injection wax offering the most toughness and durability in the AquaSphere family. Its unique formula makes it ideal for large molds, metal molds and stone-in-place casting. Color: green

AquaSphere, AquaSphere Plus & AquaSphere Filigree Waxes

- High fluidity
- Low shrink
- Exceptional surface finish and replication of fine detail
- Tough but ductile

AquaSphere Stone & AquaSphere Stone HV Waxes

- Greater degree of toughness and durability
- Extended storage
- Production of large and intricate pieces



FREE Sample!

Email us: RR-Marketing@dentsply.com
to request your FREE sample today!

Learn More

ransom-randolph.com/injection-waxes

Order Online

shop.ransom-randolph.com/aquasphere-wax

	AquaSphere wax	AquaSphere Plus wax	AquaSphere Filigree wax	AquaSphere Stone wax	AquaSphere Stone HV wax
General Purpose Wax	★★★	★★★	★★		
Stone-in-Place		★★		★★★	★★
Filigree		★★	★★★		
Large Molds		★			★★★
Metal Molds				★★★	★★★
Thin Sections	★★★	★★	★		

Wax Selection

The chart to the left is a guide only.

For more detailed help selecting your wax, please contact our technical team: RR-Technical@dentsply.com



2020 Industry Tradeshow Update

MJSA Expo Rescheduled for March 2021

After consultations with exhibitors about concerns over the lingering impact of the COVID-19 crisis, MJSA has decided to reschedule its Expo trade show from this coming fall to March 2021. The longest-running trade show dedicated to jewelry making and design, MJSA Expo had originally been scheduled to run March 15-17 in New York City, before the COVID-19 outbreak forced a postponement into October. Since then, although the city's number of new COVID-19 cases has abated, questions remain about how the phased reopening of city businesses and institutions will be implemented. Given this uncertainty, both exhibitors and MJSA management felt rescheduling into March 2021 would provide needed time and clarity for businesses to ramp up and better ensure a successful show. Exact 2021 dates to be announced...

Investment Casting Institute Hosting Virtual Conference 2020

With the postponement of the World Conference on Investment Casting and associated equipment show, a major void was created in ICI's 2020 offering. Hoping to come up with an alternative to fill this void, ICI turned their attention towards conducting a Technical Conference and Expo on a virtual platform. Over the past several months, ICI explored a variety of options and became convinced that a virtual event this Autumn (October 13-23, 2020) would be of benefit to the investment casting community. More details to come...

Learn More

- MJSA Expo 2021
mjsa.org/eventsprograms/mjsa_expo
- ICI Virtual Conference 2020
investmentcasting.org/virtual-conference-2020

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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 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™