



CASTING CONNECTION

Vulcan® Burnout Furnaces



Single-Stage



Three-Stage

New & Improved!

R&R is excited to provide new and improved Vulcan burnout furnace models!

Challenged with obsolete replacement parts for older models, Vulcan burnout furnaces were updated to provide easier maintenance with readily available replacement parts.

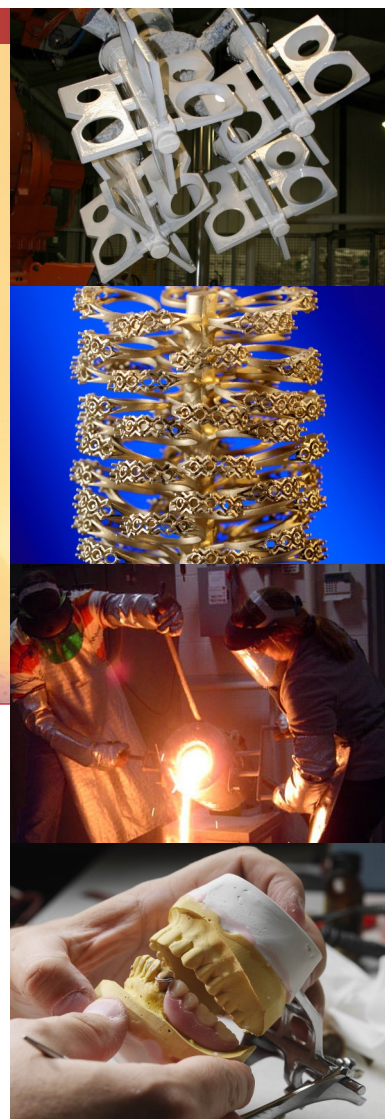
The new models have also been upgraded to provide:

- CB certification of electrical components
- Exact temperature readings with a digital pyrometer
- Easier thermocouple removal and replacement
- Dual circuit boards for a lower voltage switch and longer oven life

Available in both single-stage and three-stage options, it has never been easier to select the right burnout furnace for your specific application!

To find the right burnout furnace for you, refer to the following Cross Reference charts.

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Learn More: eicf.org/events

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

EICF International Conference & Exhibition Rescheduled

The Board of Directors for the European Investment Casters' Federation (EICF) have made the decision to postpone the 30th International Conference & Exhibition to be held in Bregenz September 2021 to the Spring of 2023.

The decision, while regrettable, reflects the precautionary approach to understand the effects of the pandemic from a people and travel perspective while vaccination programs are rolled out globally.

In this sense the next opportunity for the Investment Casting community to rejoin physically remains with planned International

Conference & Exhibition to be held in Santander (Spain) in May 2022, followed by Bregenz (Austria) in May 2023.

During 2021, EICF activities are being covered by virtual events.

Santander 2022

Dates: May 15-18, 2022

Venue: Palacio de Congresos y Exposiciones de Santander

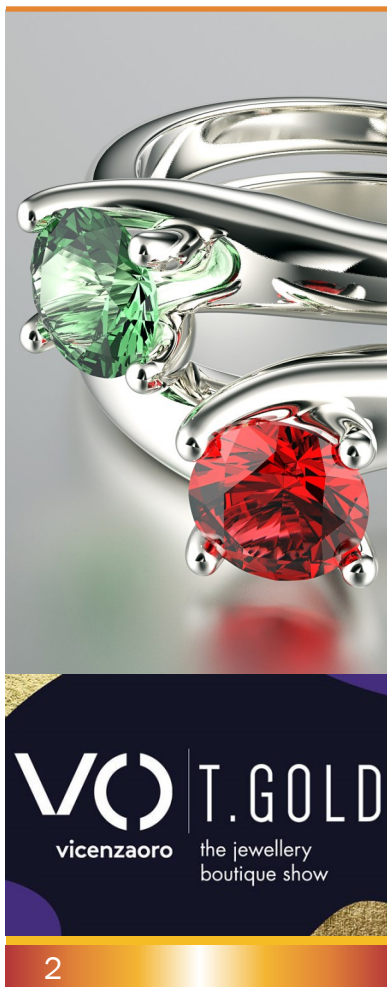
Industry Visit: Ecrimesa

Bregenz 2023

Dates: May 7-10, 2023

Venue: Bregenz Festival House

Industry Visit: Feinguss Blank



Save the Date: T.Gold/Vicenzaoro

T.Gold, the international show for machinery and the most innovative technologies applied to jewelry and precious metal processing will once again be staged at the same time as VICENZAORO. The show, specifically for sector operators, offers the chance to place your business in the running, underlining the inseparable link that binds creative skills with technologies, whose innovations now involve every level of the manufacturing process.

Vicenzaoro September 2021 is back in attendance from September 10-14, 2021. It will be the first international appointment in Europe after the many months of forced stop, where the whole sector will meet to define the state of the art of goldsmithing. The best of made in Italy production from the main manufacturing districts and international excellences will present new products, collection previews and will launch the jewelry trends not to be missed.

When: September 10-14, 2021

Where: Vicenza, Italy

Stop in and see R&R at the show!

Learn more at: www.vicenzaoro.com/en/t-gold

Calling all jewelry casters...save the date!

R&R Who to Call

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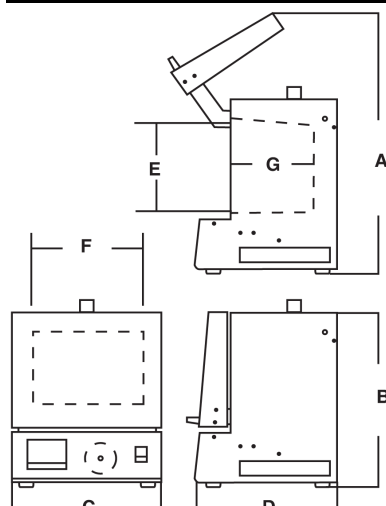
Learn More

[www.ransom-randolph.com/
vulcan-burnout-furnaces](http://www.ransom-randolph.com/vulcan-burnout-furnaces)

Buy Now!

[shop.ransom-randolph.com/
vulcan-burnout-furnaces](http://shop.ransom-randolph.com/vulcan-burnout-furnaces)

Dimensions



Vulcan® Burnout Furnaces

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Vulcan Single-Stage Burnout Furnace Cross Reference

New Item Number / Description	Replaces Item Numbers / Descriptions
5355730001 / S-550 200-240V	9493307 / A-550 200-250V 9493301 / A-130 200-240V 9495131 / D-550 230V 9495121 / D-130 230V 9491002 / Neycraft JFF 2000 220V
5355730002 / S-550 120V	9493300 / A-130 100-120V 9493306 / A-550 120V 9495120 / D-130 100-120V 9495130 / D-550 100-120V 9491001 / Neycraft JFF 2000 120V

Vulcan Three-Stage Burnout Furnace Cross Reference

New Item Number / Description	Replaces Item Numbers / Descriptions
5355740001 / 3-130 200-240V	9493303 / 3-130 200-240V
5355740002 / 3-130 100-120V	9493302 / 3-130 100-120V
5355740003 / 3-550 200-240V	9493309 / 3-550 200-250V
5355740004 / 3-550 100-120V	9493308 / 3-550 120V

Exterior Dimensions*

	Model 130	Model 550
A	20.0" (510 mm)	25.0" (635 mm)
B	13.8" (350 mm)	16.0" (410 mm)
C	11.5" (290 mm)	15.8" (400 mm)
D	13.0" (330 mm)	17.0" (430 mm)

*Dimension includes exhaust tube.

Interior Muffle Dimensions

	Model 130	Model 550
E	4.6" (120 mm)	7.0" (180 mm)
F	5.7" (140 mm)	9.0" (230 mm)
G	5.2" (130 mm)	9.0" (230 mm)

Vulcan benchtop furnaces offer high performance hybrid muffle technology for faster heating and cooling than full firebrick!

Save the Dates: LMT® LAB DAY® West & East



Learn More!

lmtmag.com/lmtlabdaywest

lmtmag.com/lmtlabdayeast



WEST

Friday, August 27, 2021

- Exhibit Halls: 11 am - 5 pm
- Seminars: 8 am - 6 pm

Saturday, August 28, 2021

- Exhibit Halls: 9 am - 3:30 pm
- Seminars: 8 am - 6 pm

Venue

Hyatt Regency Orange County
11999 Harbor Blvd.
Garden Grove, CA 92840

EAST

October 23, 2021

- Exhibit Hall Hours: 9 am - 4 pm

Venue

Pennsylvania Convention Center
1101 Arch St.
Philadelphia, PA 19107

Calling all dental casters...
save the dates!



Stop in and see
R&R at the shows!

Welcome Jaime & Megan!

Jaime Appelhans

Jaime joins the R&R team as a General Accountant.

Jaime has fulfilled various responsibilities throughout her career, with over 10 years of accounting experience as an Accountant, Plant Cost Accountant, Sr. Analyst, and Internal Auditor. She has extensive knowledge in plant manufacturing accounting and is well-qualified to succeed in her role with R&R. Jaime earned her BSBA in Accounting and is currently working on her MBA in Business Administration from Sullivan University.

Megan Dangler

Megan joins the R&R team as an Accounts Receivable/Payable Specialist.

Megan is a recent graduate from the University of Toledo, having earned a Bachelor of Business Administration with an Accounting Major and International Business Minor. Throughout college, she has held internship positions in both manufacturing and non-manufacturing organizations. Her positions and experience gained over the past few years include Payroll Intern, Accounting Intern and Audit Associate.

Please join us in welcoming Jaime Appelhans and Megan Dangler to the R&R team!



Jaime Appelhans
General Accountant



Megan Dangler
AR/AP Specialist



Potential Causes of Jewelry Casting Defects - Porosity

Struggling with porosity defects? R&R recommends utilizing the following potential causes to guide you through any difficulties you may encounter with jewelry investments.

- Pattern is improperly sprued (sprues may be too thin, too long or not attached in the proper location; causing shrinkage porosity)
- Not enough metal reservoir to eliminate shrinkage porosity
- Metal contains gas
- Mold is too hot
- Too much moisture in the flux
- Metal insufficiently fluxes
- Too much flux added to metal
- Too much remelt being used (always use at least 50% new metal)
- Metal is overheated
- Incomplete wax burnout

This information is intended to help you troubleshoot these problems. Should your issue persist, please contact our technical team at Technical@ransom-randolph.com for additional assistance.



Beware of Fraudulent Emails!

Any emails coming from R&R will end with @ransom-randolph.com.

If you are concerned about an email you have received, please contact us directly to make sure it is legitimate.

Contact Us

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US Fax: 419.865.9997

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Web:
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Webstore:
shop.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'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™