

RANSOM & RANDOLPH

Dental Laboratory Retail Catalog (North America)



Equipment



Stones & Plasters



Duplicating Materials



Abrasives



Waxes & Resin Patterns



Alloys



Investments



3535 Briarfield Boulevard, PO Box 1570 | Maumee, OH 43537 USA
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    Made in the USA

Investing with Innovation™

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Founded in Toledo, Ohio in 1872, Ransom & Randolph (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.

Sincerely,

Dan

Daniel Nixon, President, Ransom & Randolph, LLC



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STONES & PLASTERS *(Available at shop.ransom-randolph.com)*

Specialty Stones



Tuff-Stone™
resin die stone
Type IV dental resin

A superior, extra-high compressive strength dental resin, specifically designed for dies, denture models, opposing models and C&B bases. Ideal for applications that require controlled expansion, detailed reproduction, consistency and high chip resistance.

Color: Golden Brown

44 lb. box 402335



FiberStone™
resin die stone
Type IV die stone
Patent pending

FiberStone resin die stone inhibits the generation and expansion of cracks in the model, reducing breakage and chipping during model manipulation and cutting. It can reduce the number of pins required during the model building, requiring fewer pours.

Color: Golden Brown

25 lb. box 402332
44 lb. box 402330

Die Stones



Master Model™
die stone
Type IV dental stone

An extra strong, low expanding stone. Provides superior reproduction of detail and has excellent stacking qualities. Well suited for models and dies.

Colors: Blue, Pink, White

44 lb. box

- Blue PV42155
- Pink PV42157
- White PV42156



Tuff-Stone™ die stone
Type IV dental stone

A superior, extra-high compressive strength dental stone, specifically designed for dies, denture models, opposing models and C&B bases. Ideal for applications that require controlled expansion, detailed reproduction, consistency and high chip resistance.

Color: Golden Brown

44 lb. box PV42330



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STONES & PLASTERS *(Available at shop.ransom-randolph.com)*

Model Stones



**Uni-Rock™
dental stone**
Type III dental stone

An extra smooth, low expanding stone for all types of models.
Color: Buff
44 lb. box 402125



**LabStone® Blue
Fast**
Type III dental stone

An all purpose stone for fabricating models and flasking acrylic dentures. May be used in any case where plaster or stone is indicated.
Color: Blue
44 lb. box400199



Orthostone
Type III dental stone

A hard, super white dental stone designed for orthodontic working models with excellent reproduction of details.
Color: Super White
44 lb. box 400207



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STONES & PLASTERS *(Available at shop.ransom-randolph.com)*

Plasters



Ortho-Plaster
Type II dental plaster

A super white plaster formulated for orthodontic models.
Color: Super White
44 lb. box 400217



Plaster
Type II model plaster

A general purpose, dental grade, Type II model plaster of exceptional quality and value. Ideal for general model work and articulation. Available in Regular and Fast formulas.
Color: White
44 lb. box
• Fast 400214
• Regular 400211



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STONES & PLASTERS *(Available exclusively from distributors in North America)*

Die Stones



Glstone® 3000 die stone

Type V dental stone

Produces ultra-hard dies and casts. With its optimum expansion properties, it enhances fit when used for C&B dies and models. Has a velvety-smooth, glaze-like finish to master dies. Grinds easily without chipping. Excellent for use with nonprecious alloys.

Colors: Blue, Green, Ivory

25 lb. box	
• Green	990800
• Ivory.....	990820
44 lb. box	
• Blue.....	4990850
• Green	4990840
• Ivory.....	4990860



Glstone® dental stone

Type III dental stone

A premium quality stone for super-hard casts, dies and cast partial frameworks. With its low expansion, it is ideal for fabrication of models and dies for C&B, and for cast partial frameworks.

Colors: Peach, Tan

25 lb. box	
• Peach.....	99058
• Tan.....	99055
44 lb. box	
• Peach.....	499056

Base/Model Stones



Castone® dental stone

Type III dental stone

A high quality, high strength dental stone used for dental casts, investing and articulator mounting.

Colors: Cream, White

25 lb. box	
• Cream.....	99043
• White	99047
44 lb. box	
• Cream.....	499044
• White	499046



LabStone® dental stone

Type III dental stone

An all purpose stone for fabricating models and flasking acrylic dentures. May be used in any case where plaster or stone is indicated.

Colors: Blue, Buff

25 lb. box	
• Blue.....	99200
• Buff	99203
44 lb. box	
• Blue.....	499201
• Buff	499204



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STONES & PLASTERS *(Available exclusively from distributors in North America)*

Orthodontic Stones & Plasters



OrthoStone
dental stone
Type III dental stone

A pure white stone recommended for orthodontic working models.
Color: White

- 25 lb. box99206
44 lb. box 499207



Ortho Plaster
Type II model plaster

A pure white, fine plaster, specially formulated for orthodontic study models.

- Color: White
25 lb. box 99216
44 lb. box400217

Plasters



Lab Plaster
Type II model plaster

A fine, white general-use plaster, recommended for models, flasking and articulating. Available in Regular and Fast formulas.

- Color: White
25 lb. box
• Fast 99213
• Regular..... 99210
44 lb. box
• Fast499214
• Regular.....499211



Model Plaster
Type II model plaster

A fine, pure white plaster for hard, dense models, flasking, articulating casts and general laboratory use.

- Color: White
20 lb. box 99031



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STONES & PLASTERS

Typical Material Properties

	Type	Color	Water to Powder Ratio (ml/g)	Setting Time (minutes)	Set Expansion (%)	Minimum Compressive Strength at 1 Hour (psi)	Minimum Dry Compressive Strength (psi)	Availability
Glastone 3000 die stone	V	Blue, green, ivory	21/100	10-13	0.16-0.3	7,000	16,000	Distributors in North America
FiberStone resin die stone	IV	Golden brown	19/100	10-13	≤ 0.13	6,000	14,000	Directly from R&R
Master Model die stone	IV	Blue, pink, white	24/100	8.5-10.5	≤ 0.15	5,000	10,000	Directly from R&R
Tuff-Stone die stone	IV	Golden brown	19/100	10-13	≤ 0.13	8,000	19,000	Directly from R&R
Tuff-Stone resin die stone	IV	Golden brown	19/100	10-13	≤ 0.13	6,000	12,000	Directly from R&R
Castone dental stone	III	Cream, white	30/100	8-10	≤ 0.2	3,000	8,000	Distributors in North America
Glastone dental stone	III	Peach, tan	22/100	7.5-9.5	≤ 0.15	3,000	9,000-15,000	Distributors in North America
LabStone dental stone	III	Fast set: Blue Regular: Blue, buff	30/100	Fast set: 5-7 Regular: 8-10	≤ 0.2	3,000	8,000	Distributors in North America
Orthostone	III	White	30/100	10-12	≤ 0.2	4,000	8,000	Directly from R&R
Orthostone dental stone	III	White	27/100	9-11	≤ 0.2	3,000	10,500	Distributors in North America
Uni-Rock dental stone	III	Buff	30/100	8.5-10.5	≤ 0.14	3,000	8,500	Distributors in North America
Lab Plaster	II	White	47/100	Fast set: 4-6 Regular: 6-8	0.06-0.3	1,300	3,500	Distributors in North America
Model Plaster	II	White	47/100	7-9	0.06-0.3	1,300	3,000	Distributors in North America
Ortho-Plaster	II	White	37/100	12-14	0.06-0.3	1,300	6,500	Distributors in North America
Ortho Plaster	II	White	37/100	12-14	0.06-0.3	1,300	6,500	Directly from R&R
Plaster	II	White	47/100	Fast set: 4-6 Regular: 6-8	≤ 0.25	1,600	3,500	Directly from R&R

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification



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DUPLICATING MATERIALS *(Available at shop.ransom-randolph.com)*

Reversible Hydrocolloids



Uniflex™ duplicating material

A premium, all-purpose duplicating hydrocolloid. Ideal for producing both refractory and dental stone models, as well as molds for the fabrication of partial and full dentures utilizing the fluid resin pouring technique. Can be used with stones, ethyl silicate investments, and phosphate investments.

Color: Clear/Beige

7.5 kg pail..... N021955

Formerly known as Polyflex® duplicating material.



Perflex® duplicating material

A premium reversible hydrocolloid. Ideal for producing ethyl silicate refractory models, as well as molds for the fabrication of partial and full dentures utilizing the fluid resin pouring technique. Can only be used with ethyl silicate investments.

Color: Clear/Beige

7.5 kg pail N021055



Neoflex™ duplicating materials

Standard duplicating hydrocolloids. Suitable for producing both refractory and dental stone models, as well as molds for the fabrication of partial and full dentures utilizing the fluid resin pouring technique. Can be used with stones, ethyl silicate investments, and phosphate investments. Available in two formulas.

Color: Blue

Neoflex™ Blue duplicating material

- 7.5 liter (2 Gal) N021965

Neoflex™ Concentrate duplicating material

- 3.8 liter (1 Gal)* N021975

**Makes 1 gallon (1 powder + 1 liquid, add 1 gallon water)*



Instaflex™ Concentrate duplicating material

A premium, all-purpose concentrated duplicating colloid. Ideal for producing both refractory and dental stone models, as well as molds for the fabrication of partial and full dentures utilizing the fluid resin pouring technique.

Color: Red

1 Gallon* N021985

**Makes 3 gallons. Just add water.*



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DUPLICATING MATERIALS *(Available at shop.ransom-randolph.com)*

Duplicating Silicones



Lab-Flex™ 16
silicone rubber

An addition silicone (polyvinylsiloxane [PVS]) duplicating material, ideal for model duplication in the dental laboratory. The 1:1 mixing ratio between base and catalyst makes measuring and mixing easy. Suitable for mixing by hand or mechanically, because it has elevated fluidity and does not require a vacuum. It copies details precisely, has long term dimensional stability and is resistant to contact with various types of resins, investments and gypsums. Recommended for all duplication techniques.

Base Color: Purple / Catalyst Color: White

4.4 lb. kit (2.2 lb. each).....05000



Lab-Flex™ 75,
85 & 85 Touch
dental putty

Lab putty

A polyvinylsiloxane (PVS) impression material, available in three formulas. Mixed in a 1:1 ratio. Lab-Flex 75 (75 Shore-A) offers excellent consistency and workability and is ideal for scanning with CAD/CAM systems. Lab-Flex 85 and Lab-Flex 85 Touch (85 Shore-A) are rigid setting and characterized by an excellent balance between elasticity and final hardness.

Base Colors: Lab-Flex 75: Light Blue, Lab-Flex 85: Green, Lab-Flex 85 Touch: Dark Blue / Catalyst Color: White

Lab-Flex 75 (1600 gram kit)04000
Lab-Flex 85 (22 lb. kit - 11 lb. ea.)
Lab-Flex 85 Touch (22 lb. kit - 11 lb. ea.).....



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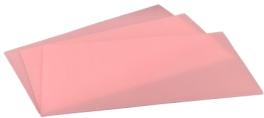
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WAXES & RESIN PATTERNS *(Available at shop.ransom-randolph.com)*

Baseplate Wax



TruWax™
baseplate wax



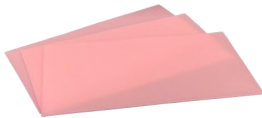
A high quality baseplate wax that carves easily at room temperature and boils-out cleanly.

Color: Pink

5 lb. carton08000



NeoWax®
baseplate wax



An all-purpose, high-grade wax that is tough, pliable and boils out cleanly.

Color: Pink

5 lb. carton 08000

Boxing Wax



R&R Boxing Wax

A flexible, tacky wax for boxing impressions.

Color: Pink

5 lb. carton08100

Bite Rim Wax



R&R Bite Rim Wax

Preformed wax sticks for establishing vertical dimension and arranging artificial denture teeth.

Color: Pink

5 lb. carton



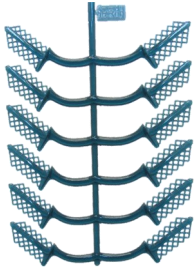
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WAXES & RESIN PATTERNS *(Available at shop.ransom-randolph.com)*

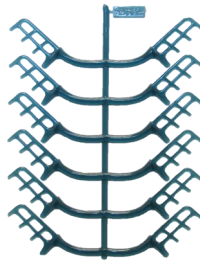
Flex-Form™ resin patterns



BR1
Lingual
Bar
with
Mesh

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

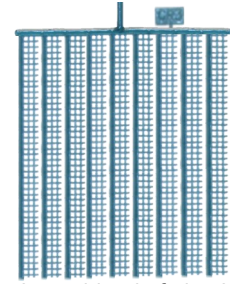
Set of 8 sheets.....BR1



BR2
Lingual
Bar
with
Saddle

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

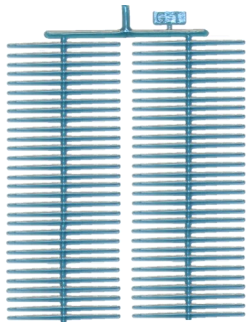
Set of 8 sheets.....BR2



CR3
Clasp
with
Rest

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

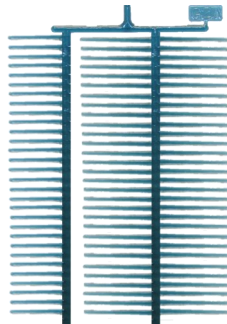
Set of 8 sheets.....CR3



G1
I-Bar
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

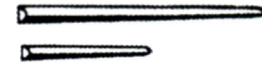
Set of 8 sheets.....G1



G2A
I-Bar
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

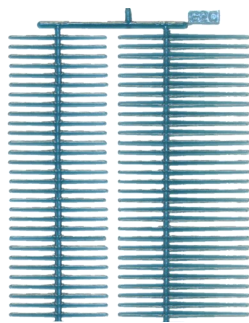
Set of 8 sheets.....G2A



G2B
I-Bar
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....G2B



G2C
I-Bar
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

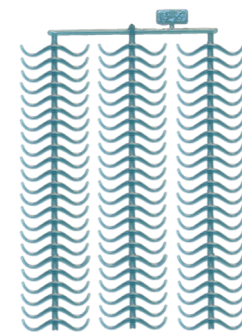
Set of 8 sheets.....G2C



G2D
I-Bar
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....G2D



G3
Akers
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....G3



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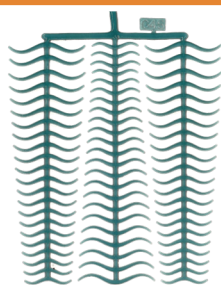
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WAXES & RESIN PATTERNS *(Available at shop.ransom-randolph.com)*

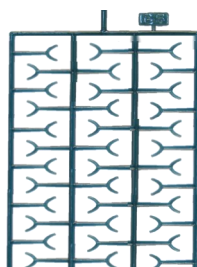
Flex-Form™ resin patterns



G4S
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....G4S



G5
Roach
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

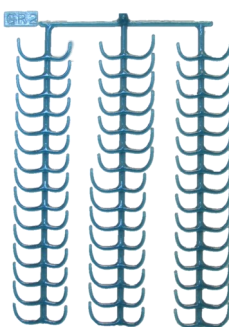
Set of 8 sheets.....G5



GR1
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....GR1



GR2
Clasp

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

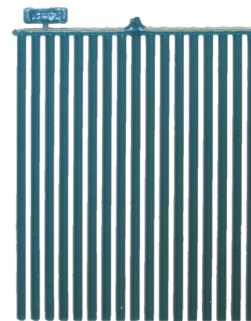
Set of 8 sheets.....GR2



IB1
Straight
Lingual
Bar

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

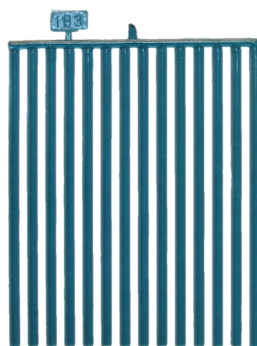
Set of 8 sheets.....IB1



IB2
Straight
Lingual
Bar

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

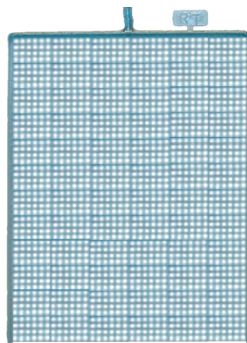
Set of 8 sheets.....IB2



IB3
Straight
Lingual
Bar

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

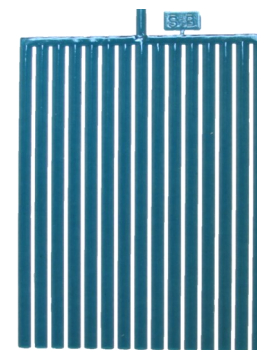
Set of 8 sheets.....IB3



RT1
Mesh

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....RT



SB
Lingual
Bar

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....SB



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WAXES & RESIN PATTERNS *(Available at shop.ransom-randolph.com)*

Flex-Form™ resin patterns



**22GA
Stipple**

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....22GA



**24GA
Stipple**

A proprietary blend of plastic and wax made in a pre-made shape that provides excellent burnout capabilities for optimal castings.

Set of 8 sheets.....24GA



**Flex tack™
Solution**

Flex tack solution is an adhesive liquid formulated to increase adhesion between plastic patterns and models.

32 oz metal can.....M06700



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INVESTMENTS *(Available at shop.ransom-randolph.com)*

Phosphate Investments



Biovest® investment & Universal Expansion liquid

Used to cast precious and nonprecious, high temperature dental alloys and from printed patterns or traditional wax patterns.

Biovest® investment

- 100 gram pouches (qty. 80) 26421
- 400 gram pouches (qty. 30) 26416
- 25 lb. box 264151

Universal Expansion liquid

- 32 oz. 26410

Universal Expansion liquid can be used to adjust expansion, it is not required for use with Biovest investment.



Oxyplus™ investment & liquid

An oxyphosphate dental investment for making models.

Oxyplus™ investment

- 40 lb. pail N400043

Oxyplus™ liquid

- 1 gallon jug..... N400047



Multi-Vest® investment & Universal Expansion liquid

A phosphate-bonded dental investment for casting cobalt-chromium and other high fusing precious and non-precious alloys.

Multi-Vest® investment

- 33 lb. pail 99010

Universal Expansion liquid

- 32 oz. 26410

Universal Expansion liquid can be used to adjust expansion, it is not required for use with Multi-Vest investment.



Aquamex™ Water Mix oxyphosphate investment

An oxyphosphate-bonded investment that uses water as a binder. It is used for partial denture fabrication. Burnout in a gas or electric oven.

- 40 lb. pail N400010



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Ethyl Silicate Investments



Chromex™ investment & liquids



Neoloy® 'E' investment with ABC Binders

A non-tamping, ethyl silicate partial denture investment. User-friendly, fool proof technique ensures exceptional results. Available in Regular and Fine formulas.

- Chromex™ Regular investment
- 47 lb. box N400102
- Chromex™ Fine investment
- 47 lb. box N400108
- Chromex™ liquids
- 1 gallon & 500 ml..... N400117

An ethyl silicate investment for partial denture fabrication.

- Neoloy® 'E' investment
- 47 lb. box.....N400022
- ABC Binders
- 3 gallons (1 gallon each).....N400023

Gypsum Investments



Univest™ investment

Developed for high reliability and compatibility with low heat partial denture alloys. Univest investment is a gypsum-based dental investment for making refractory models for waxing and casting partial frames. It is recommended to use distilled or deionized water for best possible outcome. Designed for partial denture castings.

- 25 lb. boxPV2600
- 44 lb. boxPV2605

Mold & Pattern Coat



Protective Coat powder & liquid/ All Purpose Protective Coat

Refractory powders and a specialized liquid binder specifically designed to be used as a wash coat for refractory models made in Perflex® duplicating material and as a face coat for plastic/wax patterns. Can be mixed to your preferred thickness or bought as a pre-made slurry (All Purpose Protective Coat).

- Protective Coat powder
- 8.8 lb. pailN026204
- Protective Coat liquid
- 1 liter bottle.....N025835
- All Purpose Protective Coat
- 200 ml container (multiples of 4)N025920



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ALLOYS & SUPPORT MATERIALS *(Available at shop.ransom-randolph.com)*

Alloys



Neoloy® Plus CoCr alloy

Neoloy Plus CoCr alloy provides excellent quality for cobalt-chromium cast partial dentures. It delivers excellent homogeneity and precise alloy chemistry with a balanced formulation of cobalt, chromium and molybdenum.

1 kg resealable pouch.....600000

Casting Rings



Foil Lined Rings

Foil-lined disposable ring. 3.5" (89 mm) diameter x 3" (75 mm) tall.
200 count carton71000

Dips



R&R Rosin Dips

R&R Rosin Dips are ideal for partial denture refractory models. They offer a low melting point of 250° F (121° C). Available in standard and Hard formulas.

R&R Rosin Dip

- 10 lb. box 06500

R&R Rosin Dip Hard

- 15 lb. box 06000



R&R Cold Dip

R&R Cold Dip is an environmentally friendly, cold rosin dipping solution for refractory models.

1 gallon pail..... 06800



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ABRASIVES *(Available at shop.ransom-randolph.com)*

Aluminum Oxide



Lab-Blast™ aluminum oxide

Fine blast abrasives used for cleaning appliances and divesting.

44 lb. pail

- 106 aluminum oxide 07300
- 125 aluminum oxide 07200
- 75 aluminum oxide 07100
- 53 aluminum oxide 07000

Walnut Shell



R&R Ground Walnut Shells

An abrasive media to blast, clean and polish. Effective in deburring and deflashing products. Because of its resistance to breakdown, it can be used many times to help lower cost. Provides an excellent finish without scratches or pitting.

50 lb. bag/box

- 12/20 07400
- 10/12 07500



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EQUIPMENT (Available at shop.ransom-randolph.com)

Burnout Furnaces



Vulcan® single-stage burnout furnace

Burnout furnace featuring single-stage controller.

S-550 100-120V	5355730002
S-550 200-240V	5355730001



Vulcan® 3-stage burnout furnace

Burnout furnace available in two standard muffle sizes and featuring a three-series controller.

3-130 200-240V.....	5355740001
3-130 100-120V.....	5355740002
3-550 200-240V.....	5355740003
3-550 100-120V.....	5355740004

Vulcan Burnout Furnace Spare Parts

Clutch & Coupling Assembly	9491056	Service Muffle Assy 130 120V.....	9493422
Encoder.....	SRM-02844	Service Muffle Assy 130 230V.....	9493420
Exhaust Port Plug, 1" Kit	9491093A	Shelf: Free Standing Model 550	9493327
Insulation, Door-130	9493325	Switch	1835.3118
Insulation, Door-550	9493365	Switch, Door	9493338
Membrane Switch 3-130	FP-02899	Thermocouple	TC-005
Membrane Switch 3-550	FP-02881	Tongs, MFG	9491010A
Motor; Spring.....	9356001	Tray: Bottom Model 130.....	9353053
Rubber Foot.....	9390616	Tray: Bottom Model 550.....	9353057
Service Board 3-Stage	DENT3STAGE	Vulcan 120 Volt Power Cord.....	FP-02842
Service Board Single-Stage.....	DENTA	Vulcan 240 Volt Power Cord.....	FP-02839
Service Muffle 550 120V.....	9493471	Vulcan 240 Volt Power Cord Euro.....	FP-02841
Service Muffle 550 230V.....	9493423		



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EQUIPMENT (Available at shop.ransom-randolph.com)

Centrifugal Casting Machines & Spare Parts



Neycraft™
centrifugal
casting machine

Neycraft™ centrifugal casting machine
Spare Parts

Counterbalance Weight	9491066
Crucible Former 2.0 Dia	9357118

Used to melt and cast metal into the replica investment cavity by centrifugal force. Designed with a number of unique operating features:

- Built-in protective safety shield
- Easy winding/locking and release mechanism
- Instant balance with counterbalance weight
- Universal flask carriage to accommodate flasks up to 4" x 4"
- Two-way mounting base for quick setup and storage

Neycraft™ centrifugal casting machine	9491045
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Duplicating Units



Neycraft™
duplicating unit

An innovative and user-friendly duplicating unit. Offers precise and reliable operation as well as a power saving on/off feature for an extended motor life. Will run a complete cycle and return to holding temperature within 3 hours. Offers a programmable timer for delayed starts, and the ability to adjust features easily. Comes preprogrammed and ready-to-use.

3 gallon unit	535570000
5 gallon unit	5355731000



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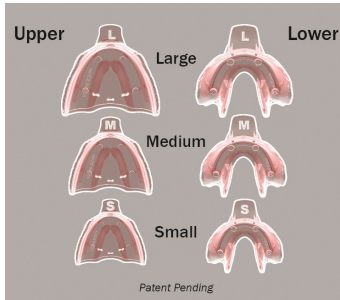
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IMPRESSION TRAYS *(Available at shop.ransom-randolph.com)*

Massad® Trays

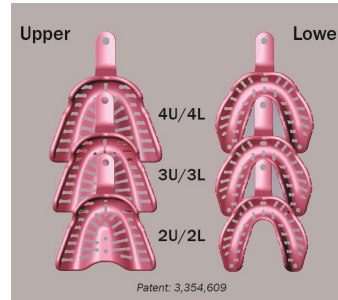


Massad® Overdenture Low Temp Tray

Thermoplastic moldable in a hot water bath. For overdentures and selective partial dentures. Available in three upper sizes (small, medium, large) and three lower sizes (small, medium, large). Set of twelve trays includes two of all sizes. *Patent Pending.*

Color: Translucent Pink

Set of 12 trays 745794

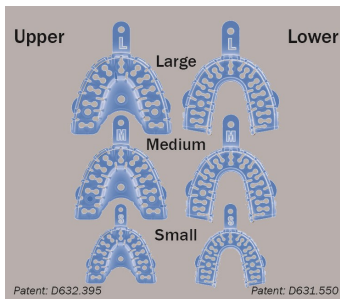


Massad® Edentulous Low Temp Tray

Thermoplastic moldable in a hot water bath. For edentulous and implant patients. Available in three upper sizes (2U, 3U, 4U) and three lower sizes (2L, 3L, 4L). Set of twelve trays includes two of all sizes. *Patented.*

Color: Opaque Pink

Set of 12 trays 689318

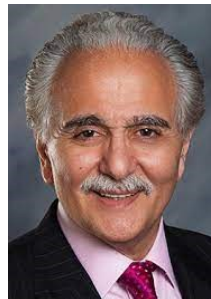


Strong Massad® DenPlant™ Low Temp Tray

Thermoplastic moldable in a hot water bath. For partials, immediates, implants, crowns & bridges, and orthodontic models. Available in three upper sizes (small, medium, large) and three lower sizes (small, medium, large). Set of twelve trays includes two of all sizes. *Patented.*

Color: Translucent Blue

Set of 12 trays 687035



Dr. Joseph J. Massad

Massad impression trays help practitioners create a sophisticated fit to complement the beautiful smiles they create for their patients. They deliver incredibly accurate impressions while maintaining productivity.

For R&R, as a proud global leader in dental stones and model making, teaming up with Massad impression trays just made sense! Massad impression trays are a perfect fit with R&R's dental line. Plus, R&R's global logistics, e-commerce options, and distribution partners makes finding Massad trays easier than ever.



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TECHNICAL CAPABILITIES

Laboratory Simulation

From our position as the global leader in dental investment technology 100 years ago to our leadership in adapting this technology into the industries of jewelry, automotive, medical, and aerospace, R&R remains the leader in technical capabilities for lost wax casting. Our Research Department maintains a multi-million dollar equipped laboratory, that is one of the largest, most advanced, in investment casting.



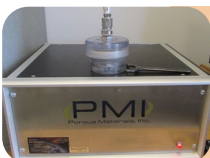
Thermal Expansion Dilatometer

Measures the thermal expansion in dimensional changes associated with temperature change



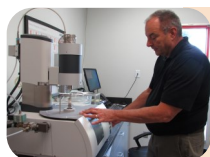
Modulus of Rupture Unit

Measures compressive strength at various points of pressure



Permeability Unit

Measures airflow through materials



Differential Scanning Calorimetry Unit

Measures heat flows associated with phase changes



Thermogravimetric Analysis

Measures weight changes associated with temperature change

Production Simulation

Our team of Engineers maintain full product simulation capability to assist customers in troubleshooting their processes, whether in the casting of partial dentures frames, gold jewelry, medical implants, or critical aerospace components.



Resin Pattern Printing

3D prints designs with fine detail and excellent burnout abilities for simulating test parts



Neycraft® Duplicator

Melts and pours 3 pounds of duplicating material for ease of replication of master models as well as testing hydrocolloid, gypsum, and investment compatibility



Vacuum & Model Making

Mixes silicon duplicating materials, stones, and investments in a vacuum seal



Burn Out Ovens

Our Vulcan® Oven, Nabertherm™ oven, and Hones™ gas furnace process gypsum-based, phosphate, and ethyl-silicate based investments in a variety of environments at high temperatures to burn out all wax left in a mold



Neycraft® Centrifugal Caster

Our Neycraft centrifugal caster, overpressure tilt unit, and pressure over vacuum casting unit simulate casting processes used in the global market

Technical Support Contact

Email us at: technical@ransom-randolph.com

Call us at 800-800-7496 (US)

Have a question regarding application, troubleshooting, feedback, tips, or need advice?

Ask the experts by contacting our Technical Team for support.

We are happy to help you!



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R&R's DENTAL ROOTS



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