

VACUUM FORMING EQUIPMENT & MATERIALS



Buffalo
Buffalo Dental Manufacturing Company, Inc.
www.buffalodental.com



The Dynamic Duo™

A time-saving knife with a hot-tipped blade that promotes fast and easy trimming of ALL vacuum formed materials. Adjustable temperature control for precise heat adjustment providing the operator with immediate heat for fast cutting and trimming. Ultra-fast heating circuit gets tip to ideal temperature in seconds, saving time. Lightweight pen with sharp, permanent tip promotes improved comfort and control. We have even added an EXTRA OUTLET for an additional Pen. Unit Comes complete with 1 Knife edged Tip Pen.

Item # Description

38760 Buffalo Dynamic Duo V-35/Therma-Knife Combo Unit Complete, 120V AC
 38765 Buffalo Dynamic Duo V-35/Therma-Knife Combo Unit Complete, 220V AC



The Dynamic Duo™

V-35 MicroMotor – Electric Handpiece System

The V35 electric handpiece system features a no-frills, multi-speed control console teamed with our new Gray Handpiece. It represents a heavy-duty, maximum 35,000 RPM, lab-only handpiece system for use with HP-sized burs that offers high durability, high torque, and economical pricing.

Item # Description

37570 V35 Gray Electric Handpiece System, 120V AC (V35 Console, Gray Electric Handpiece, Foot Control and Handpiece Rest)
 37575 V35 Gray Electric Handpiece System, 220V AC (V35 Console, Gray Electric Handpiece, Foot Control and Handpiece Rest)



V-35

ThermaKnife™ Hot Tipped Tray Trimming Knife

Effective and Time-Saving Knife For Fast and Easy Trimming of Bleaching Trays, Night Guards, Mouthguards, and Other Thermoplastic Materials.

- Fully adjustable temperature control for precise cutting action
- Cutting tip heats ultra-fast to save time and eliminate waiting
- Lightweight pen features an ergonomic design and sharp, permanent tip for improved comfort and control Knife-Edge Tip
- A & B selection switch allows for the use of two different Thermal Pens to reduce time and increase trimming productivity
- Fast and easy pen replacement (via snap connector at back of pen) for added convenience Concave Tip
- Convenient pen rest provides added safety when unit not in use
- Small portable size: Console 5.75" W x 5" D x 4"H (incl. Rest) Pen: 6" L x .75" W (at foam grip,) 2.5 lb. total console/pen weight

Item # Description

80500 ThermaKnife Intro Kit, 120V AC
 (Includes Knife Edge Pen)

80510 Replacement Pen with Concave Tip
 80520 Replacement Pen with Knife Edge Tip
 80530 Replacement Pen with Waxing Tip



ThermaKnife w/ Knife Edge Tip

ThermaPlier™ Hot Tipped Thermal Pliers

For accentuating and making retentive undercuts on orthodontic appliances and mouthguards. Reheats the critical retention area allowing emphasis without causing adjacent plastic to distort.

- Adjust the temperature to a setting which allows the creation of dimples in the material you are working with but which does not burn the material.
- Use the plier to make retentive undercuts on the orthodontic appliances and mouthguards as per figure 1 & 2.

Item # Description

80610 ThermaPlier 110V

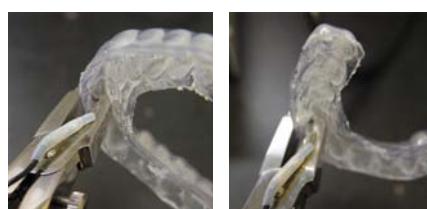


Figure 1

Figure 2



ThermaPlier™



Accu-Vac™ Precision Vacuum Forming System

An extremely powerful, accurate, and quiet vacuum forming system utilizing compressed air-powered suction.

- Utilizes ultra-high powered venturi suction (requires 60 to 100 psi external compressed air supply) to create highly accurate vacuum adaptations
- Gasket-free frame accepts 5" diameter round and 5" x 5" square materials for improved versatility

- Unique table uses either standard flat plate or included steel bead basket for multiple model positioning options
- Single On/Off heat control switch and automatic vacuum actuation switch promote easy operation
- Convenient small size (7 1/2" W x 10 1/2" D x 10" H x 16 lbs.) enhances portability
- System includes Accu-Vac unit, Flat Plate Table, Steel Beads, Bead Basket, and sample range of Vacuum Forming Materials

Item # Description

80175 Accu-Vac System, 120 V AC
80176 Accu-Vac System, 220 V AC



Accu-Vac

Sta-Vac II™ Versatile Vacuum Forming System

Our improved classic high performance electric vacuum former that now allows both traditional flat table and highly accurate bead basket adaptations.

- New ConverTable™ combination vacuum table/bead basket can be used in standard flat table mode or reversed and used in bead basket mode for improved versatility, vacuum flow, and accuracy
- Dual-stage electric vacuum motor provides powerful suction and highly accurate adaptations- no compressed air connections required!
- Spring loaded, self-leveling, gasket-sealed frame handles a variety of 5" x 5" sheet materials, and the square center post assures smooth operation and guarantees alignment of frame and table
- Solid construction (7" W x 16" D x 11" H x 32 lbs.) for maximum durability and long life
- Unique housing design prevents motor contamination, shields heater, and promotes ergonomic operation

- All systems include a sample range of vacuum forming materials

Item # Description

80193 Sta-Vac II Vacuum Forming System, 120 V AC, w/Two ConverTables, Steel Beads and Plastic Work Tray
80194 Sta-Vac II Vacuum Forming System, 220 V AC, w/Two ConverTables, Steel Beads and Plastic Work Tray



Sta-Vac II

Also available is the Sta-Vac, with all internal components identical to the Sta-Vac II, but with only one ConverTable and no steel beads nor work tray, designed for use in original flat model table mode only.

Item # Description

80191 Sta-Vac System, 220 V AC
80190 Sta-Vac System, 120 V AC



Sta-Vac

Econo-Vac™ Vacuum Former

Premium vacuum former features power and performance in a standard, upright design.

- Dual-stage vacuum motor provides powerful suction and accurate adaptations
- Spring loaded, self-leveling, gasket-sealed frame handles a variety of 5" x 5" sheet materials

- Square center post assures smooth operation and guarantees perfect alignment of table and frame
- Solid construction (7" W x 10 1/2" D x 15" H x 32 lbs.) for high durability and long life
- All systems include a sample range of vacuum forming materials

Item # Description

80186 Econo-Vac System, 120 V AC
80187 Econo-Vac System, 220 V AC



Econo-Vac

Tray-Vac™ Vacuum Former

A high performance, no-frills, economical, and reliable small vacuum former for the dental office.

- High-velocity air flow system promotes rapid, highly accurate adaptations with 5" x 5" sheet materials
- Unique quick-lock frame and gasket-free design promote convenient, reliable operation

- Lightweight, small machine (7 1/2" W x 9 1/2" D x 15" H x 17 lbs.) improves portability
- All systems include a sample range of vacuum forming materials

Item # Description

80165 Tray-Vac, 120 V AC
80168 Tray-Vac, 220 V AC



Tray-Vac

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Sta-Lube™ Spray

A convenient silicone lubricant spray that prevents materials from sticking to models, vacuum table and frame.

- Environmentally safe material assures easy clean-up of flasks and trays
- Ideal separating medium for dies when making copings

Item # Description

80015 Sta-Lube Silicone Spray, 16 oz. Can



Sta-Lube

Alcohol Torch

An economical torch that produces a needle-point flame with only a gentle squeeze of the plastic bottle.

- 5" high torch uses denatured alcohol fuel for cost savings and convenience
- Base of bottle weighted with marbles to prevent tipping and improve safety
- Ideal for applying a rolled edge to vacuum formed adaptations (flame edge and rub with thumb)
- Can also be used as an alcohol lamp

Item # Description

82440 Alcohol Torch

57560-1D Wicks for Alcohol Torch, Pkg. of 12



Alcohol Torch

No. 55 Plate Shears

Heavy duty scissor-style instruments for multiple cutting and trimming applications.



#55

Arbor Band Mandrels

High quality HP (3/32" diameter) mandrels with adjustable -diameter rubber heads are designed to firmly hold arbor bands in place during use.

- No. 61 plate shears excellent for trimming vacuum forming materials

Item # Description

78250 No. 55 Plate Shears



- Replacement rubber heads available for renewing older mandrels

Item # Description

02771 3/8" Medium Arbor Bands , pkg 100

02920 3/8" Complete Mandrel, HP Sized Shank



Cutting & Finishing Bur

- Plastic & Stone Trimming Burs designed for fast and smooth trimming of stone and epoxy dies, models, acrylics, and sheet resin materials. Burs constructed of carbide steel for long life. Popular taper shape with non-clogging flutes.

Item # Description

20000 Cutting & Finishing Bur for Thermoplastic

Materials, HP

Burs, Miscellaneous

High quality burs for miscellaneous applications.

- Cutting and Finishing Bur utilizes hardened tool steel for fast and accurate cutting to 15,000 rpm. Bur is ideal for trimming custom trays, base plates, and tough thermoplastic sheet materials.

PRKIT

Item # Description

18100 Cone 82T carbide bur

18010 Taper 84T carbide bur

02781 3/8" Coarse arbor bands (100)

02920 3/8" Complete arbor band mandrel

Block-Out Compound

Used for blocking out remaining teeth and undercuts on models when making appliances.

- Reusable, heat resistant material resists running and sticking

- Can also be rolled around the base of models to promote easy periphery trimming

Item # Description

05240 Block-Out Material, 1 lb.



Vacuum Forming Materials

High quality 5" x 5" sheet thermoplastic materials for creating a wide range of vacuum formed appliances and trays.

- Pure grade resin sheets are latex-free and uniform in size, cut and thickness for improved performance.
- Resist bubbling, crazing and fracturing to promote superior adaptations every time.
- Clear soft Ethyl Vinyl Acetate (EVA) sheets designed to bond together for build-up and lamination of custom mouthguards.

Rigid Clear Tray and Splint Material

Buffalo Clear Material offers the best model adaptation and excellent rigidity. The result will be a clear, highly polished surface with no color dyes or bluing agents. The Extra Wide size stays secure in all frames.

.020" (0.5mm) Clear Tray Material

Item #	Description
81660	Pkg. of 50 81665 Pkg. of 200 81670 Pkg. of 625

.040" (1.0mm) Clear Tray Material

Item #	Description
30990	Pkg. of 25 30995 Pkg. of 625

.060" (1.5mm) Clear Tray Material

Item #	Description
31000	Pkg. of 25 31010 Pkg. of 625

.080" (2.0mm) Clear Tray Material

Item #	Description
31090	Pkg. of 25 31100 Pkg. of 625

.100" (2.5mm) Clear Tray Material

Item #	Description
31110	Pkg. of 25 31120 Pkg. of 625

.020" Coping and Temporary C&B Material

Cloudy, stiff Polypropylene sheets excellent for use when fabricating copings. Sized for improved vacuum is easier to use and promotes improved vacuum seal. Will not adhere to acrylics.

Item #	Description
31720	Pkg. of 50 31725 Pkg. of 200 31730 Pkg. of 625

.060" Pink Base Plate Material

Stiff pink Polystyrene sheets excellent for fabrication of thin base plates and custom trays.

Item #	Description
04610	Pkg. of 25 04615 Pkg. of 200 04620 Pkg. of 625

.080" Pink Tray Material

Stiff pink Polystyrene sheets excellent for fabrication of medium and thick base plates and custom trays.

Item #	Description
82610	Pkg. of 25 82615 Pkg. of 200 82620 Pkg. of 625

.100" Pink Tray Material

Stiff pink Polystyrene sheets excellent for fabrication of thick base plates and custom trays.

Item #	Description
82650	Pkg. of 25 82655 Pkg. of 200 82660 Pkg. of 625

.125" Blue Tray Material

Stiff blue Polystyrene sheets ideal for fabrication of custom trays.

Item #	Description
82690	Pkg. of 25 82695 Pkg. of 200 82700 Pkg. of 625

.150" Blue Tray Material

Stiff blue Polystyrene sheets ideal for fabrication of thick custom trays.

Item #	Description
82730	Pkg. of 25 82735 Pkg. of 200 82740 Pkg. of 625

.040" Clear Bleaching Tray Material

Clear, soft EVA Sheets excellent for use when fabricating bleaching trays. Sized for improved vacuum is easier to use and promotes improved vacuum seal.

Item #	Description
62820	Pkg. of 12 62803 Pkg. of 25 62830 Pkg. of 100 62840 Pkg. of 300

.080" Clear Thin Mouthguard Material

Clear, soft EVA Sheets excellent for fabrication of thin athletic mouthguards for non-contact sports, bruxism splints, soft splints, and custom fluoride trays. Material bonds to itself so it can be built up in layers for creation of athletic mouthguards.

Item #	Description
62804	Pkg. of 12 62806 Pkg. of 25 62802 Pkg. of 100 62800 Pkg. of 300

.118" Clear Mouthguard Material

Clear, soft EVA Sheets excellent for fabrication of light athletic mouthguards for non-contact sports, soft splints, and custom fluoride trays. Material bonds to itself so it can be built up in layers for creation of athletic mouthguards.

Item #	Description
62815	Pkg. of 12 62816 Pkg. of 25 62805 Pkg. of 100 62810 Pkg. of 300

.160" Clear Mouthguard Material

Thick, clear, resilient EVA sheets for fabrication of thick athletic mouthguards and resilient bruxism splints. Material bonds to thin EVA mouthguard materials so adaptations can be built up in layers for creation of athletic mouthguards.

Item #	Description
62700	Pkg. of 12 62725 Pkg. of 25 62705 Pkg. of 100 62710 Pkg. of 300

.160" Sta-Guard™ Clear Mouthguard Material

Thick, clear, resilient EVA classic-brand sheets excellent for fabrication of thick athletic mouthguards and resilient bruxism splints. Material bonds to thin EVA mouthguard materials so adaptations can be built up in layers for creation of athletic mouthguards.

Item #	Description
62750	Pkg. of 12 62755 Pkg. of 100 62760 Pkg. of 300



Thick resilient 5" X 5" EVA Colored Mouthguard Sheets, Excellent Protection for All Sports!

Buffalo Dental Mouthguard & Tray material feature a "Total Smooth" surface for comfort and appearance! Contains **NO BPA, NO PVC, NO LATEX, or PVC INSERTS!** Also features **NO inclusions or glitter** which can be swallowed! This material is used for athletic mouthguards.

.040" EVA Mouthguard Material

Item # Description

72560	RED, Pkg. of 12
72570	RED, Pkg. of 100
72580	RED, Pkg. of 300
72590	BLUE, Pkg. of 12
72592	BLUE, Pkg. of 100
72593	BLUE, Pkg. of 300
72595	ORANGE, Pkg. of 12
72596	ORANGE, Pkg. of 100
72597	ORANGE, Pkg. of 300
72585	BLACK, Pkg. of 12
72586	BLACK, Pkg. of 100
72587	BLACK, Pkg. of 300
72581	WHITE, Pkg. of 12
72582	WHITE, Pkg. of 100
72583	WHITE, Pkg. of 300
72476	YELLOW, Pkg. of 12
72477	YELLOW, Pkg. of 100
72478	YELLOW, Pkg. of 300

62610 PINK, Pkg. of 12

.040" EVA Mouthguard Material Disc (120mm)

Item # Description

62827	CLEAR, Pkg. of 12
62822	CLEAR, Pkg. of 100
62825	CLEAR, Pkg. of 300
72670	RED, Pkg. of 12
72680	RED, Pkg. of 100
72690	RED, Pkg. of 300
72691	BLACK, Pkg. of 12
72692	BLACK, Pkg. of 100
72693	BLACK, Pkg. of 300

.040" EVA Mouthguard Material Disc (125mm)

Item # Description

62827	CLEAR, Pkg. of 12
62822	CLEAR, Pkg. of 100
62825	CLEAR, Pkg. of 300
72670	RED, Pkg. of 12
72680	RED, Pkg. of 100
72690	RED, Pkg. of 300
72691	BLACK, Pkg. of 12
72692	BLACK, Pkg. of 100
72693	BLACK, Pkg. of 300



MADE IN USA

.080" EVA Mouthguard Material

Item # Description

62788	BLACK, Pkg. of 12
62795	BLACK, Pkg. of 300
62789	WHITE, Pkg. of 12
62799	WHITE, Pkg. of 300
62784	ORANGE, Pkg. of 12
62798	ORANGE, Pkg. of 300
62792	YELLOW, Pkg. of 12
62794	YELLOW, Pkg. of 300
62797	RED, Pkg. of 12
62796	RED, Pkg. of 300
62670	ROYAL BLUE, Pkg. of 12
62680	ROYAL BLUE, Pkg. of 100
62690	ROYAL BLUE, Pkg. of 300
62655	PINK, Pkg. of 12
62664	PINK, Pkg. of 100
62675	PINK, Pkg. of 300

.080" EVA Mouthguard Material Disc (120mm)

Item # Description

62814	CLEAR, Pkg. of 100
62812	CLEAR, Pkg. of 300
62671	ROYAL BLUE, Pkg. of 12
62681	ROYAL BLUE, Pkg. of 100
62691	ROYAL BLUE, Pkg. of 300
62666	PINK, Pkg. of 12
62676	PINK, Pkg. of 100
62686	PINK, Pkg. of 300
62791	RED, Pkg. of 300
62793	YELLOW, Pkg. of 300
62823	BLACK, Pkg. of 300

.080" EVA Mouthguard Material Disc (125mm)

Item # Description

62807	CLEAR, Pkg. of 12
62808	CLEAR, Pkg. of 100
62809	CLEAR, Pkg. of 300
62813	WHITE, Pkg. of 300
62824	BLACK, Pkg. of 300
62835	ORANGE, Pkg. of 300

.118" EVA Mouthguard Material

Item # Description

72530	WHITE, Pkg. of 12
72540	WHITE, Pkg. of 100
72550	WHITE, Pkg. of 300
72532	YELLOW, Pkg. of 12
72534	BLUE, Pkg. of 12
72536	ORANGE, Pkg. of 12
72539	ORANGE, Pkg. of 300
72538	RED, Pkg. of 12
72537	RED, Pkg. of 300
72500	BLACK, Pkg. of 12
72510	BLACK, Pkg. of 100
72520	BLACK, Pkg. of 300
62640	ROYAL BLUE, Pkg. of 12
62641	ROYAL BLUE, Pkg. of 100
62642	ROYAL BLUE, Pkg. of 300

.118" EVA Mouthguard Material Discs (120mm)

Item # Description

62889	BLUE, Pkg. of 300
62888	CLEAR, Pkg. of 300
62890	RED, Pkg. of 300
62891	BLACK, Pkg. of 300
62899	WHITE, Pkg. of 300
62895	YELLOW, Pkg. of 100
62898	YELLOW, Pkg. of 300
62643	ROYAL BLUE, Pkg. of 300
62644	ROYAL BLUE, Pkg. of 300
62645	ROYAL BLUE, Pkg. of 300

.118" EVA Mouthguard Material Discs (125mm)

Item # Description

62818	CLEAR, Pkg. of 12
62817	CLEAR, Pkg. of 100
62819	CLEAR, Pkg. of 300
62887	SKY-BLUE, Pkg. of 300
72630	BLACK, Pkg. of 12
72640	BLACK, Pkg. of 100
72650	BLACK, Pkg. of 300
72600	WHITE, Pkg. of 12
72610	WHITE, Pkg. of 100
72660	WHITE, Pkg. of 300
72620	BLUE, Pkg. of 300

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EVA Colored Mouthguard Sheets continued...

.160" EVA Mouthguard Material

Item #	Description
62770	YELLOW, Pkg. of 12
62775	YELLOW, Pkg. of 25
62771	BLUE, Pkg. of 12
62777	BLUE, Pkg. of 25
62720	SKY-BLUE, Pkg. of 12
62740	SKY-BLUE, Pkg. of 100
62730	SKY-BLUE, Pkg. of 300
62772	RED, Pkg. of 12
62778	RED, Pkg. of 25
62773	ORANGE, Pkg. of 12
62779	ORANGE, Pkg. of 25
62774	BLACK, Pkg. of 12
62781	BLACK, Pkg. of 25
62783	BLACK, Pkg. of 300
62776	WHITE, Pkg. of 12
62782	WHITE, Pkg. of 25
62700	CLEAR, Pkg. of 12
62725	CLEAR, Pkg. of 25
62600	PINK, Pkg. of 12
62630	PINK, Pkg. of 100
62650	PINK, Pkg. of 300
626100	ROYAL BLUE, Pkg. of 12
626105	ROYAL BLUE, Pkg. of 100
626110	ROYAL BLUE, Pkg. of 300

.160" EVA Mouthguard Material Disc (125mm)

Item #	Description
62715	CLEAR, Pkg. of 12
62718	CLEAR, Pkg. of 100
62719	CLEAR, Pkg. of 300



MADE IN USA

BUFF-TUFF Mouthguard Laminate

Buff-Tuff Mouthguard Laminate features cross-graining for extra strength and constant thickness of finished mouthguards. Injection molded mouthguards cannot be cross grained! Contains **NO BPA, DIOXIN, PVC or INTERNAL BRACES!** Will not separate! **Designed Specifically For Athletic use.**

BUFF-TUFF Mouthguard Laminate Squares & Discs

Item # Description

70000	BUFF-TUFF Clear 5"x5", Square, Pkg. of 10
70010	BUFF-TUFF Clear 5"x5", Square, Pkg. of 100
70100	BUFF-TUFF Clear 5"x5", Disc, Pkg. of 10
70110	BUFF-TUFF Clear 5"x5", Disc, Pkg. of 100
70120	BUFF-TUFF Blue 5"x5", Square, Pkg. of 10
70130	BUFF-TUFF Blue 5"x5", Square, Pkg. of 100
70140	BUFF-TUFF Blue 5"x5", Disc, Pkg. of 10
70150	BUFF-TUFF Blue 5"x5", Disc, Pkg. of 100
70160	BUFF-TUFF Orange 5"x5", Square, Pkg. of 10
70170	BUFF-TUFF Orange 5"x5", Square, Pkg. of 100
70180	BUFF-TUFF Yellow 5"x5", Square, Pkg. of 10
70190	BUFF-TUFF Yellow 5"x5", Square, Pkg. of 100
70200	BUFF-TUFF Black 5"x5", Square, Pkg. of 10

Item # Description

70210	BUFF-TUFF Black 5"x5", Square, Pkg. of 100
70220	BUFF-TUFF Red 5"x5", Square, Pkg. of 10
70230	BUFF-TUFF Red 5"x5", Square, Pkg. of 100
70240	BUFF-TUFF Sky-Blue 5"x5", Square, Pkg. of 10
70250	BUFF-TUFF Sky-Blue 5"x5", Square, Pkg. of 100
70260	BUFF-TUFF White 5"x5", Square, Pkg. of 10
70270	BUFF-TUFF White 5"x5", Square, Pkg. of 100



BUFF-TUFF Mouthguard Laminate Discs (125mm)

Item # Description

70280	BUFF-TUFF Orange 5"x5", Disc, Pkg. of 10
70290	BUFF-TUFF Orange 5"x5", Disc, Pkg. of 100
70300	BUFF-TUFF Yellow 5"x5", Disc, Pkg. of 10
70310	BUFF-TUFF Yellow 5"x5", Disc, Pkg. of 100
70320	BUFF-TUFF Black 5"x5", Disc, Pkg. of 10
70330	BUFF-TUFF Black 5"x5", Disc, Pkg. of 100
70340	BUFF-TUFF Red 5"x5", Disc, Pkg. of 10

Item # Description

70350	BUFF-TUFF Red 5"x5", Disc, Pkg. of 100
70360	BUFF-TUFF Sky-Blue 5"x5", Disc, Pkg. of 10
70370	BUFF-TUFF Sky-Blue 5"x5", Disc, Pkg. of 100
70380	BUFF-TUFF White 5"x5", Disc, Pkg. of 10
70390	BUFF-TUFF White 5"x5", Disc, Pkg. of 100
70400	BUFF-TUFF Clear 5"x5", Disc, Pkg. of 10
70410	BUFF-TUFF Clear 5"x5", Disc, Pkg. of 100

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