

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, 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. 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.

Item # Description

80610 ThermaPlier 110V



ThermaPlier™

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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

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

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.

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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 trays.

Rigid Clear Tray

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 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 Soft EVA Thin Tray Material

Clear, soft EVA Sheets excellent for fabrication of thin trays for custom fluoride trays. Material bonds to itself so it can be built up in layers for creation of trays.

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

.118" Clear Soft EVA Tray Material

Clear, soft EVA Sheets excellent for fabrication of light trays for custom fluoride trays. Material bonds to itself so it can be built up in layers for creation of trays.

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

.160" Clear Soft EVA Tray Material

Thick, clear, resilient EVA sheets for fabrication of thick trays. Material bonds to thin EVA tray materials so adaptations can be built up in layers for creation of trays.

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