

Laboratory Products



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



Adhesive- Permabond™ 910

Cyanoacrylate adhesive used for cementation of pins, repair of models and dies, and for positioning work prior to soldering.

- Ready to use and requires no catalyst

- Extremely high bonding strength
- Can also be used for sealing/hardening dies

Item #	Description
00671	Adhesive Permabond 910 Cyanoacrylate, 3 Gm. Tube
00680	Adhesive Permabond 910 Cyanoacrylate, 1 Oz. Bottle



Permabond 910



Plastic
Articulator

Articulators

Economical articulators for denture and crown & bridge applications.

- Plain line aluminum articulator for general denture model use

- Disposable plastic articulators ideal for crown & bridge model work and presentation

Item #	Description
03340	Plastic C&B Articulators, Pkg. of 50
03350	Plastic C&B Articulators, Bulk Pkg. of 1040

Green Flexible Mixing Bowls

Durable vinyl molded bowls in four convenient sizes for multiple mixing applications.

- Larger sizes excellent for hand mixing alginate impression materials and plasters
- Smaller sizes popular for mixing smaller quantity materials with smaller spatulas
- Most popular large bowl provides ideal size for

- hand mixing with No. 11R flexible blade spatula
- Easy clean-up- just flex the bowl and peel out the set materials

Item #	Description
05800	Medium Mixing Bowl (4 1/2" OD, 350 cc Capacity)
05810	Large Mixing Bowl (5" OD, 600 cc Capacity)
05820	Extra Large Mixing Bowl (5 1/4" OD, 850 cc Capacity)



Green Flexible Mixing Bowls

Brushes- Red Sable Paint Brushes

Precision brushes with solid handles in several popular sizes.

Item #	Description
06450	No. 000, Red Sable Brush
06452	No. 00, Red Sable Brush
06454	No. 0, Red Sable Brush
06456	No. 1, Red Sable Brush
06458	No. 2, Red Sable Brush
06460	No. 3, Red Sable Brush



06462	No. 4, Red Sable Brush	06466	No. 6, Red Sable Brush
06464	No. 5, Red Sable Brush	06468	No. 7, Red Sable Brush

Brushes- Scouring Brushes

Versatile cleaning brushes for scouring and washout applications.

- No. 2P scouring brushes features two rows of stiff black bristles (3 1/2" x 3/4"), a rounded-edge wooden handle, and 8" length
- No. 3P scouring brushes features four rows of stiff black bristles (3 1/2" long,) a rounded-edge wooden handle, and 8" length

- Nylon washout brush features four rows of black nylon bristles (1 7/8" x 1/2"), an angled black nylon handle, and 6 1/2" length

Item #	Description
07010	Scouring Brush, No. 2P
07020	Scouring Brush, No. 3P
07000	Nylon Washout Brush



No. 2P

No. 3P

Nylon Washout Brush

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Calipers and Gauges

Accurate measuring instruments for general laboratory applications.

- Calipers feature measurement capacity from 1/10 mm to 10 mm
- Precision Caliper excellent for measuring cast alloy surfaces and gold and porcelain crowns

- Wax Caliper applicable for measuring wax, gold plate, tin foil and base plate materials

Item #	Description
45800	Boley Gauge, Regular (Not Orthodontic)
25000	Caliper, Precision Metal
25010	Caliper, Wax



Boley Gauge

Caliper

Denture Bags

Strong, clear plastic bags for storing and handling of dentures.

- Extra-tough, heavy weight, heat-seal capable plastic resists tearing

- Large 5" x 6" size provides additional capacity
- Economical roll of 500 bags

Item #	Description
04010	Denture Bags, Roll of 500



Denture Bags

Flasks, Compresses and Accessories

A set of sturdy denture flasks and a spring compress for general denture applications.

- No. 31 Ejector Flask constructed of hard bronze forgings with smooth interior and exterior surfaces (size 3 1/8" x 3 7/8" x 1 15/16")
- Upper Denture Flask features forged bronze construction, stainless steel guide pins, smooth surfaces, and a 5/8" deep bottom section
- Lower Denture Flask features forged bronze construction, stainless steel guide pins, smooth sur-

- faces, and a 5/8" deep front (1 1/8" deep at rear) bottom section
- Spring Compress features heavy duty manganese bronze castings, heavy top and bottom pressure plates, utilizes replaceable stainless steel springs and has extra capacity to hold two flasks.

Item #	Description
43900	No. 31 Ejector Flask
31310	No. 2 Spring Compress (Includes Handle and Wrench)
31310-4	Handle Only for Compress
31310-W	Wrench Only for Compress
31320	Spring Only for Compress



No. 2 Compress

Flask, No. 31

Jig- Reline Jig

Chrome 2-post jig for accurate reline applications.

- Posts feature tapered tops to aid in upper plate alignment
- Size 5 1/2" W x 2 3/4" D x 3 3/4" H

Item #	Description
03400	Reline Jig



Reline Jig

Microwaveable Flask

Durable flask for use during microwave curing procedures for MOLLOPLAST-B® soft reline material and other microwave-cured denture materials.

- Machined from high-impact composite plastic blocks for added strength and durability
- 3-piece flask breaks down easily for convenient loading and uses a 4-bolt fastening system for powerful closure

- Large size (5 1/2" W x 4" D x 3 1/2" H) excellent for handling large cases
- Dual vent holes and solid "knock-out" plug provide safety and convenience

Item #	Description
43800	Microwaveable Flask for MOLLOPLAST-B
43800-3	Replacement Single Bolt/Nut Combo for Microwaveable Flask



Microwaveable Flask

Foil Cote Liquid Separator

A stable, ready to use pink alginate protective coating and separator.

- Creates a tough and efficient tin foil substitute

- Resists dislodging during trial packing

Item #	Description
44310	Foil Cote, 1 Qt. Container
44320	Foil Cote, 1 Gal. Container



Foil Cote



Hot Plates

Ideal for trimming large wax surfaces.

- Plates constructed of 1/16" thick sheet aluminum for strength and thermal conductivity
- "Green line" enameled wooden handles for comfortable grip and added insulation

Item # Description

- 51950 Hot Plate, Regular, 4 1/2" x 5"
Aluminum w/ Green Line Handle
- 51960 Hot Plate, UNC Special, 3" x 4"
Aluminum w/ Wooden Handle



Insulating Materials- Flexistone® and Flexistone® plus

Thermal resistant silicone insulating materials that are ideal for protecting teeth and preventing distortion during denture processing.

- Materials mix easily and set hard to protect teeth, but peel cleanly after case completion
- Easy application in one single procedure to acrylic teeth and wax to form a thin, hard insulating layer
- C-Silicone based original Flexistone sets to high final hardness (75 Shore A) and requires no bonding crystals

- Low viscosity A-Silicone based Flexistone plus flows exceptionally well and sets to high (75 Shore A) hardness
- Flexistone kit includes 190 ml. Base, 30 ml. Catalyst, and a Mixing Cup
- Flexistone plus kit includes 160 ml. Base, 160 ml. Catalyst, two Plastic Bottle Stands, and one Measuring Bowl

Item # Description

- 44175 FLEXISTONE Rigid Insulating Material, Kit, C-Silicone Based
- 44176 FLEXISTONE plus Rigid Insulating Material, Kit, A-Silicone Based



Flexistone®



Flexistone® plus

Magnifiers with Flip-Up Lenses

Economical stereo-view magnifiers that enlarge critical work details and help improve accuracy.

- Zoom scope binocular magnifiers can be worn with eyeglasses and feature a padded leather headband and plastic tilt lenses for improved

viewing convergence

- Flip-up telesight magnifiers weigh only one ounce and are available in clip-on and half-frame styles
- Loupe magnifiers with plastic frames flip up for added convenience and are available in clip-on and half-frame styles



Zoom Scope Binocular



Loupe Magnifiers



Telesight Magnifier

Item #	Description	Style	Power	Distance
59710	No. 3 Binocular, Zoom Scope	With Headband	1-3/4X	-
59730	No. 5 Binocular, Zoom Scope	With Headband	2-1/4X	-
60000	No. 20C Loupe Clip-On	Clip onto Your Glasses	1-1/2X	20"
60010	No. 14C Loupe Clip-On	Clip onto Your Glasses	1-3/4X	14"
60020	No. 8C Loupe Clip-On	Clip onto Your Glasses	2-1/4X	8"
60030	No. 6C Loupe Clip-On	Clip onto Your Glasses	2-3/4X	6"
60040	No. 20HF Loupe Half-Frame	Glasses Frame Included	1-1/2X	20"
60050	No. 14HF Loupe Half-Frame	Glasses Frame Included	1-3/4X	14"
60060	No. 8HF Loupe Half-Frame	Glasses Frame Included	2-1/4X	8"
60070	No. 6HF Loupe Half-Frame	Glasses Frame Included	2-3/4X	6"
59810	No. 23 Telesight Clip-On	Clip onto Your Glasses	1-3/4X	11" - 14"
59820	No. 24 Telesight Clip-On	Clip onto Your Glasses	2X	9" - 11"
59830	No. 25 Telesight Clip-On	Clip onto Your Glasses	2-1/4X	7" - 9"
59840	No. 26 Telesight Clip-On	Clip onto Your Glasses	2-1/2X	5" - 7"
59870	No. 28 Telesight Clip-On	Clip onto Your Glasses	3X	4" - 5"
59910	No. 43 Telesight Half-Frame	Glasses Frame Included	1-3/4X	11" - 14"
59920	No. 44 Telesight Half-Frame	Glasses Frame Included	2X	9" - 11"
59930	No. 45 Telesight Half-Frame	Glasses Frame Included	2-1/4X	7" - 9"
59940	No. 46 Telesight Half-Frame	Glasses Frame Included	2-1/2X	5" - 7"
59960	No. 48 Telesight Half-Frame	Glasses Frame Included	3X	4" - 5"

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Model Hardening Stalite™ Special Solution

Use instead of water with gypsum to create models and dies that are consistently harder, stronger, smoother and more abrasion resistant.

- Creates harder models with more flexural strength to resist breaking, chipping and abrasion
- Saves time by promoting consistent, thin mixes with less bubble formation
- Smoother final surfaces help improve accuracy
- Can be used with all gypsums and features a freeze-stable formula

- No significant setting expansion

Item #	Description
80151	Stalite, 1 Gal. Container



Stalite

Saw Frames and Blades

Precision “unpinned-style” saw blades and frames for laboratory and jewelry separating applications.

- No. 50 Saw Frame features 2 1/2" depth and adjustable tension via thumbscrew
- Jeweler’s Saw Frame features 5" depth and serrated clamps to hold the blade in place (tension adjustable via large wing nuts)
- Flat Blades are 5" L and ascend in thickness from .010" (No. 000) to .014" (No. 3)

- Spiral (twisted) blades are 5" L and ascend in thickness from .029" (No. 3) to .033" (No. 5)

Item #	Description
76630	No. 50 Saw Frame
40-395	K & D Saw Frame
76500	No. 000 Flat Blades, 57 TPI, Pkg. of 12
76510	No. 00 Flat Blades, 53 TPI, Pkg. of 12
76520	No. 0 Flat Blades, 51 TPI, Pkg. of 12
76530	No. 1 Flat Blades, 47 TPI, Pkg. of 12
76540	No. 2 Flat Blades, 44 TPI, Pkg. of 12
76550	No. 3 Flat Blades, 40 TPI, Pkg. of 12



No. 50 Saw Frame

Item #	Description
76560	No. 3 Spiral Blades, Pkg. of 12
76580	No. 4 Spiral Blades, Pkg. of 12
76570	No. 5 Spiral Blades, Pkg. of 12

Syringe- Chip Syringe

Versatile syringe with chrome point and red bulb ideal for blowing chips and debris away from work.

Item #	Description
80910	Chip Syringe w/ Red Bulb
80930	Red Bulb Only
80940	Chrome Point Only



Chip Syringe

Tin Foil

Thin, soft tin foil rolls in 6" widths and 1 lb. quantities. Foil avoids rebounding for accurate spacing on models, dies, and miscellaneous applications.

Item #	Description
82200	Tin Foil, .001", 1 lb.
82210	Tin Foil, .002", 1 lb.
82220	Tin Foil, .003", 1 lb.



Tin Foil

Alcohol Lamps

High quality alcohol lamps for use with denatured alcohol in general purpose laboratory applications.

- No. 12 Alcohol Lamp is constructed of chrome-plated brass, holds 5 oz. fuel, has a 3 3/4" diameter base, and features fully adjustable wick height control

- Whitney lamp features alcohol lamp design and includes an annealing frame

Item #	Description
57510	No. 12 Alcohol Lamp
57690	Annealing Lamp, Whitney
57730	Annealing Tray & Frame
57560	Replacement Wicks for Alcohol Lamp, 3/16" Thick, Pkg. of 12



No. 12 Alcohol Lamp

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



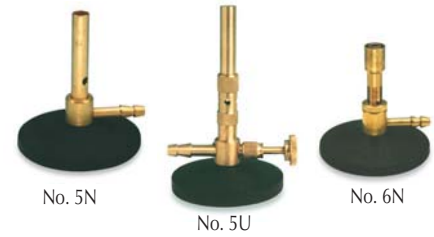
Bunsen Burners and Accessories

A variety of economical, heavy-duty burners and accessories for general-purpose laboratory applications.

- 5N Bunsen Burner is designed for use with natural gas, is 2 5/8" high, and features a solid brass burner and a black base
- 5U Bunsen Burner is designed for use with natural gas only, is 4 1/2" high, has a solid brass burner with a black base, and adds a flame height adjustment knob
- 6N Bunsen Burner is designed for use with natural or bottled gas, has a solid brass burner with a black base, and features a burn-off collar to prevent carbon deposits
- Spider Stand provides convenient support for soldering frame and is designed to fit 5N and 5U burners

- No. 52 Tripod is 5 1/2" high, supports work for heating prior to soldering, has a 5" diameter top ring that dissipates heat, and eliminates the need for a soldering frame
- No. 53 Tripod is 5 1/2" high and features a top ring with a 4 5/16" OD and a 3 3/16" ID
- Waxing Cup is designed to fit 5N and 5U burners, has a 3" OD, and is constructed of one piece cast zinc aluminum with a polished finish

Item #	Description
08900	No. 5N, Natural Gas Only
08910	No. 5U, Natural Gas Only
08920	No. 6N, Natural Gas Only
08930	No. 6N, Bottled Gas Only
82990	Tripod No. 52
83010	Tripod No. 53
08990	Spider for 5N & 5U Bunsen Burners
32310	Waxing Cup
83330-8	Tubing, Amber, 1/4" ID, 8 Ft. Section



Wax Carving Blocks

Ideal blocks for teaching tooth anatomy by practical carving and for designing in wax.

- Formed from high quality carving wax similar to inlay casting wax
- Two convenient sizes- Small (anterior) are 1/2" x 1/2" x 1 1/2", Large (posterior) are 5/8" x 5/8" x 1 1/2"

- Available in four colors for improved visibility

Item #	Description
85510	1/2" Blue, Box of 56
85511	1/2" Ivory, Box of 56
85512	1/2" Green, Box of 56
85513	1/2" Red, Box of 56
85517	5/8" Blue, Box of 24
85518	5/8" Ivory, Box of 24
85519	5/8" Green, Box of 24
85520	5/8" Red, Box of 24



Waxing Carving Blocks

Plastic Periphery Wax Sticks

Soft plastic wax sticks that are easily adapted to periphery and post dam areas of impression trays without heating.

- Pleasantly scented sticks separate easily for improved handling
- Six attractive colors available in convenient packages of 52 sticks

Item #	Description
85550	Orange, Box of 52
85551	White, Box of 52
85552	Yellow, Box of 52
85553	Blue, Box of 52
85554	Pink, Box of 52
85555	Green, Box of 52
85556	Assorted, Box of 52



Plastic Periphery Wax Sticks

Pressure Sensitive Adhesive Wax

4" x 4" flexible wax sheets that feature a unique, pressure sensitive adhesive on one side.

- Sheets firmly adhere to models and surfaces yet can be easily removed as needed
- Supplied in six different thicknesses (20, 22, 24

26, 28 and 30 gauge) and in convenient packages of 32 sheets

Item #	Description
85600	20 Gauge, Box of 32
85601	22 Gauge, Box of 32
85602	24 Gauge, Box of 32
85603	26 Gauge, Box of 32
85604	28 Gauge, Box of 32
85605	30 Gauge, Box of 32



Pressure Sensitive Adhesive Wax

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Sta-Plastic™ Wax Wafers

Premium wax wafers used for stabilizing base plates and impressions, and for denture reline applications.

- Retain imprints accurately under most conditions, even in boiling water
- Convenient packages of 50 each 3" x 4" sheets

Item #	Description
85500	Sta-Plastic Wax Wafers, Box of 50



Wax Wafers

Wire Wax

Spools of blue wire wax used for forming dental clasps and bars, sprues, jewelry stems, rings, and twisting.

- Different sizes can be handled with a heated spatula and conveniently joined together for model development
- Provided on economical 1/2 lb. spools in several important shapes and sizes

85646	16 Gauge, Round
85647	18 Gauge, Round
85648	20 Gauge, Round
85649	21 Gauge, Round
85685	12 Gauge, 1/2 Round
85690	14 Gauge, 1/2 Round
85695	6 Gauge, 1/2 Pear

GAUGE CHART		
Gauge	Inches	Millimeters
6	.162	4.11
8	.129	3.28
10	.102	2.59
12	.081	2.06
14	.064	1.63
16	.051	1.30
18	.040	1.02
20	.032	.81



Wire Wax

Item # Description

85640	6 Gauge, Round
85641	8 Gauge, Round
85642	10 Gauge, Round
85643	12 Gauge, Round
85644	14 Gauge, Round
85645	15 Gauge, Round

MOLLOPLAST-B® Lab Processed Silicone Soft Reline Material- Now Microwaveable!

MOLLOPLAST-B is an industry-leading heat-processed silicone material that stays soft permanently and features decades of documented success in denture reline cases. The material bonds firmly to new or existing acrylic dentures, and stays elastic and bacterial free for years.

- New Microwaveable consistency offers updated, fast curing and added plaque inhibitors
- Convenient lab procedure for use with existing

- dentures or during construction of new dentures
- Indicated for improving comfort and fit of acrylic dentures, relieving pressure spots, steadying dentures, and attachment to existing dentition
- Primo® Adhesive excellent for preparing existing acrylic for permanent attachment to MOLLOPLAST-B

Item #	Description
62300	MOLLOPLAST-B, 45 gm Reg. Size
62310	MOLLOPLAST-B, 170 gm Lab Size
73000	Primo, 15 ml Bottle and Brush



Molloplast-B

Mollo-Cutter™ Burs

Ultra-sharp steel burs with cross-cut flutes designed for fast and smooth trimming of silicone soft reline materials and acrylic denture base.

- Resist clogging and heat generation
- Three assorted HP shapes per package

Item #	Description
62280	Mollo-Cutter Burs, HP Sized, Set of 3



Mollo-Cutter Burs

Mollobrasive™ Points

Abrasive points with special, non-clogging grit designed for excellent smoothing and finishing of silicone soft reline materials.

- Three HP points per package

Item #	Description
62290	Mollobrasive Points, HP Sized, Set of 3



Mollobrasive Point



SoftGrind™ Grinding Sleeves

The ideal abrasive system for adjusting and finishing silicone soft reline materials.

- Unique reusable HP Mandrel features a rubber head to securely hold sleeves with a friction fit
- Sharp abrasive sleeves attach easily and remove silicone quickly with superior control

- Small sleeve size (5/16" Diameter x 1/2" Length w/ 60 degree tip angle) provides precise control

Item # Description

- 62400 SoftGrind Intro Kit, Pkg. of 10 Sleeves and 1 HP Mandrel
 62410 SoftGrind HP Mandrel, Pkg. of 1
 62420 SoftGrind Grinding Sleeves, Pkg. of 10



SoftGrind Grinding Sleeves

Wax Remover

A safe and effective wax remover that contains only natural ingredients with no chlorinated hydrocarbons, phosphates, or petroleum distillates.

- Water-soluble solution has no toxic fumes, is not absorbed by skin, and features a pleasant citrus scent

- Will not affect acrylics and boils out clean with no oily residue
- Ideal for dressing finished wax-ups, eliminating wax from investments, removing wax film from teeth, and assuring the bonding of plastic teeth

Item # Description

- 74352 Wax Remover, 1 Gal. Container



Wax Remover

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