

# Equipment & Accessories



Buffalo Dental Manufacturing Company, Inc.  
[www.buffalodental.com](http://www.buffalodental.com)



## The Dynamic Duo™

We have OPTIMIZED two of our most popular units into ONE COMPLETE System!!

**Our V-35 MicroMotor** – The V35 electric handpiece system features a High Quality, multi-speed control console teamed with our Dependable Gray Handpiece. A heavy-duty, 35,000 RPM, lab-only handpiece system for use with HP-sized burs that offers high durability, high torque and extremely smooth operation. NO Foot

Control Required!!!!

**Our ThermoKnife™ Thermal Tray Trimming Knife** - 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. 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/Thermo-Knife Combo Unit Complete, 120 V AC |
| 38765  | Buffalo Dynamic Duo V-35/Thermo-Knife Combo Unit Complete, 220 V AC |



The Dynamic Duo™

## X50 Lab Handpiece

Premium 50,000 RPM High Torque System!

- Ultra-High Torque Cutting Power Brushless high-torque motor and control system provide brute-strength 7.8 N. cm. torque and precise control from 1,000 to 50,000 rpm with no carbon brush maintenance.
- New Whisper-Quiet Motor New brushless motor features ultra-quiet and extremely smooth operation. Improved bearings and balance provide highly-concentric, vibration-free operation in a

sealed, maintenance-free design. Convenient twist lock/unlock chuck provides safe and secure holding of HP-sized instruments.

- New Advanced Console Design with Microcomputer Control New intelligent micro-processor control provides fully variable speed via console or foot control. Console provides precise speed control, digital rpm display, and controls for hand/foot and forward/reverse operation.

- | Item # | Description   |
|--------|---|
| 37800  | x50 brushless 50,000 rpm electric hand piece system 120V AC |



X-50

- | Item # | Description   |
|--------|---|
| 37803  | x50 brushless 50,000 rpm electric hand piece system 220V AC |

## X40 Lab Handpiece

New 40,000 RPM High-Torque System Updates Our Classic X35 and Provides Additional Speed and Torque

- New 40,000 RPM Handpiece 40k blue electric handpiece features an improved heavy-duty spindle, upgraded bearings, and more durable square carbon brushes, providing higher speeds, smoother operation, and increased reliability

- Improved Console The upgraded control console features dual power outlets allowing fast and easy switching between two separate handpieces as desired (one handpiece included with system), saving time-wasting tool changes. Highvoltage output and additional overload control help protect the handpiece from damage during extended heavy grinding

- | Item # | Description                           |
|--------|---------------------------------------|
| 38055  | x40 electric handpiece system 120V AC |
| 38087  | x40 electric handpiece system 220V AC |



X-40

## X35 Electric Laboratory Handpiece System

- USA-built X35 Console offers heavy-duty power supply with convenient forward/reverse, hand/foot, and variable speed controls on the front panel. Updated power control electronics, dual fuses, and thermal protection circuitry offer improved performance and safety
- New console design allows the operation of either of two handpieces via dual connection sockets and new A/B Switch to save time and minimize handpiece component wear
- Standard Black Handpiece provides fully variable speeds to 35,000 RPM and a history of

smooth, reliable, comfortable, and high-torque cutting performance (only one handpiece provided with basic X35 System)

- Excellent speed and torque control at both high and ultra-low speeds
- Heavy-duty, all-metal variable speed Foot Control included with the system at no extra charge

- | Item # | Description   |
|--------|---|
| 38000  | X35 Standard System, 120 V AC (X35 Console, Std. Black Handpiece, Foot Control) |
| 38020  | X35 Standard System, 220 V AC (X35 Console, Std. Black Handpiece, Foot Control) |



X35 Standard Electric Handpiece System

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### V35 Electric Laboratory 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.

- V35 Control Console offers reliable power, simplified electronics, and four user-selectable speeds (14k, 22k, 27k, 35k RPM) to handle most cutting needs.

- New, heavy-duty Gray Handpiece offers comfortable and reliable performance and smooth powerful, high-torque cutting.
- Excellent speed and torque control at both high and ultra-low speeds.
- Optional Variable Speed AC Foot Control energizes the Console with variable AC power and allows a full range of variable cutting speeds between 0-35,000 RPM.



V35 Electric Laboratory Handpiece System w/optional Foot Control

Item #	Description
37570	V35 Gray Electric Handpiece System, 120 V AC (V35 Console, Gray Electric Handpiece, and Handpiece Rest)
37572	V35 Gray Electric Handpiece System, 120 V AC (V35 Console, Gray Electric Handpiece, Foot Control and Handpiece Rest)

Item #	Description
37575	V35 Gray Electric Handpiece System, 220 V AC (V35 Console, Gray Electric Handpiece, Foot Control and Handpiece Rest)

### M35 Electric Laboratory Handpiece System

New High-Torque Variable Speed System Features a Compact and Versatile Design.

- High-Torque Cutting Power from 0-35,000 RPM New high-torque handpiece and control system provide excellent cutting power and smooth control in a compact system.

- Improved Versatility System is designed for 120 V AC operation but can be easily switched to 220 V AC via setting on the underside of the Console.
- Improved Console and Controls provide fully variable speed via console or foot control, simplify operation and protect the controls and handpiece.



M35 w/optional Foot Control

Item #	Description
38120	M35 Electric Handpiece System 120 V AC / 220 V AC

### Magic Wand™ Electric Laboratory Handpiece

A medium-torque, electric handpiece system with a Standard Handpiece that offers cutting speeds to 35,000 RPM and is operated by a Variable Speed Foot Control. The Magic Wand offers the convenience and benefits of an electric handpiece without all of the extras of higher priced systems, and is perfect for medium duty and intermittent, lab-only trimming needs.

- No-frills, durable, USA-built Control Console
- Standard Handpiece offers fully variable speeds to 35,000 RPM and a history of smooth, reliable and comfortable cutting performance.
- Heavy-Duty, all-metal variable speed AC Foot Control included with the system at no extra charge.



Magic Wand Electric Micromotor Handpiece

Item #	Description
38500	Magic Wand System, Silver, 120 V AC (M.W. Console, Std. Black HP, Foot Control)
38600	Magic Wand System, Silver, 220 V AC (M.W. Console, Std. Black HP, Foot Control)

### \*NEW\* Dust Containment Unit

Enhance safety for you and your assistant's with the new Buffalo Dental Manufacturing Dust Containment Unit. The D.C.U. for short, is an enclosed unit featuring an internal light, suction fan and filter system that will allow you to use the supplied handpiece in a more sanitary and safe environment.

- Efficient suction fan and filter collect damaging grinding debris and maintain quiet operation.
- High-Powered, reliable, 35,000 RPM V35 Electric HP System ideal for most cutting and grinding needs.
- High capacity internal filter that is fully replaceable.
- Convenient Handpiece clip on top of unit to keep your handpiece at the ready.



Dust Containment Unit (comes with V35 Electric Handpiece System)

Item #	Description
36800	Dust Containment Unit, 120 V AC

### Electric Handpiece Accessories

Item #	Description
38025	Standard Black Handpiece Only
37590	Gray Electric Handpiece Only
38010	X35 Console (Control Box) Only, 120 V AC
38015	X35 Console (Control Box) Only, 220 V AC
37500	V35 Console (Control Box) Only, 120 V AC
37520	V35 Console (Control Box) Only, 220 V AC
38050	Foot Control Only for X35 System
37430	AC Foot Control for V35 System, 120 V AC

Item #	Description
37430MW	AC Foot Control for Magic Wand Console, 120 V AC
38025LCG	Coiled Line Cord Only for Standard Black Handpiece
37590-37	Carbon Brushes for Gray Handpiece, Set of 2
38025C	3/32" HP Chuck for Standard Black Handpiece- Older Style- 7/8" Long
38025CN	3/32" HP Chuck for Standard Black Handpiece- Newer Style- 1 1/4" Long
37590-14	3/32" HP Chuck for Gray Handpiece
38025-W	Multi-Wrench for Handpieces



Call for additional accessories and replacement parts.

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## No. 16 Laboratory Engine

The No. 16 Engine is a high-performance bench engine/belt-drive arm system that features a long history of dependable use. The unit provides high torque operation from a powerful, variable speed motor, and is designed with an attractive and durable polished-chrome surface. The No. 16 Engine is available in a complete system (with variable speed Foot Control, Triple-Section Arm and Belt included) that is ready for attachment to your handpiece.

- 1/5 HP, USA-built, 20,000 RPM motor generates extra-high torque performance and long life

- Two-step drive pulley allows lower or higher speed range operation (max 30,000 RPM at Handpiece)
- Permanently lubricated ball bearings promote quiet operation and minimize maintenance
- Convenient Forward/Reverse/Off switch on motor base for added convenience
- Sturdy base and ball bearing, triple-section arm deliver added stability and flexibility
- 6 Amp solid-state Foot Control produces fully variable speed and smooth operation

### Item # Description

- 36919 No.16 Engine w/ Electronic Rheostat, Regular Arm, 120 V AC  
 36920 No.16 Engine w/ Electronic Rheostat, Bantam Arm, 120 V AC  
 36937 No.16 Engine w/ Electronic Rheostat, Regular Arm, 220 V AC



### Item # Description

- 36939 No.16 Engine w/ Electronic Rheostat, Bantam Arm, 220 V AC  
 36935B No.16 Engine Motor & Base Only, 120 V AC  
 36934 No.16 Engine Motor & Base Only, 220 V AC

## Engine Rheostats (Speed Controls) for Lab Engines

### Item # Description

- 37470 Electronic Rheostat, 120V AC, 6 Amp Max  
 37480 Electronic Rheostat, 220V AC, 6 Amp Max

## Engine Belts and Pulleys

High speed engine belts are constructed from hard finished thread with cotton covering for extended life and quiet

operation. Pulleys feature smooth running, ball-bearing design.

### Item # Description

- 05050 6'5" Engine Belt

- 05080 6'6" Bantam Arm Belt  
 05060 8'4" Compact Arm Belt  
 05070 9'8" Regular Arm Belt  
 PULLEY1 Replacement Pulley, Large  
 PULLEY2 Replacement Pulley, Small

## No. 101 Laboratory Handpiece

Our most popular, high quality lab handpiece designed to operate HP-sized instruments to 45,000 RPM without overheating.

- Permanently sealed ball bearings promote quiet operation and never need lubrication

- Convenient push-type chuck is tightened from back via knurled handle
- True-running handpiece minimizes end play and generates smooth performance

### Item # Description

- 49300 No. 101 Laboratory Handpiece



## Handpiece Cleaner & Lubricant

For quick, daily maintenance of belt driven handpieces.

- Detergent Cleaner easily removes dirt and stains from handpiece surfaces (for external surfaces only)

- Medium weight Lubricant prolongs the life of handpiece bearings and gears

### Item # Description

- 49700 Handpiece Cleaner, Pint  
 49730 Handpiece & Engine Arm Lubricant, Medium Viscosity, Pint



## FC330 Handpiece

A heavy-duty handpiece designed for laboratory, jewelry, and industrial use.

- Exposed, easy-access Jacobs-style chuck handles burs to 5/32" Diameter

- Comfortable handpiece with sealed ball bearings runs cool and concentric, and is easy to control
- Quick-disconnect feature allows snap-on/snap-off convenience with flex-shafts

### Item # Description

- 49540 No. FC330 Handpiece



## Hanging Motor Accessories

### Item # Description

- 37100 Flexible Drive Cable for Flex-Shaft  
 37110 Drive Cable Sheath for Flex-Shaft

- 37202 Carbon Brush w/ Spring for No. 150 and No. 15 (2 Needed)

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## No. 150 Flex-Shaft Electric Hanging-Motor System

A polished-chrome, hanging-motor designed handpiece that features extremely high torque cutting power to 20,000 RPM. The space-saving No. 150 motor can be wall mounted so as to require no bench space, and can be the perfect lab-only motor for small offices and labs where counter space is unavailable.

- 1/5 HP Motor provides brute-force, smooth cutting power to 20,000 RPM
- Tough, flexible drive shaft is 37" long for improved maneuverability and features a quick-disconnect fitting
- System includes choice of variable speed Foot Controls

- System can be supplied with or without the durable FC330 Handpiece that features an exposed Jacobs-type chuck capable of holding instruments to 5/32" Diameter

Item #	Description
37075	Chrome No. 150 Flex-Shaft w/ Electronic Rheo., 120 V AC
37075HP	Chrome No. 150 Flex-Shaft w/Electronic Rheo. & 330FC, 120 V AC
37075XR	Chrome No. 150 Flex-Shaft w/ No Rheo., 120 V AC



No. 150 Flex-Shaft

## Optiblast II™ Micro-Sandblasting System

Abrasive micro-sandblasting is a popular procedure used in the dental lab for increasing bonding strengths prior to repairing or cementing restorations. Treatment with the Optiblast II prior to bonding can increase the surface area of metals, porcelains, and composites up to 400% and greatly increase the resultant bonding strengths. The non-recirculating design also makes quick and easy work of everyday micro cleaning and roughening tasks in the lab.

Optiblast II is one of the highest value and easiest to maintain systems available, and is superior to other microblasters on the

market. Our precision, commercial-grade needle valve is used to accurately control airflow as opposed to other systems that use a less expensive pinch valve system. It's another great value from Buffalo Dental, a proven leader in dental products and supplies!

### Features

- Small body (6 1/2" long x 5/8" diameter) minimizes fatigue and improves access
- Precision fingertip-controlled needle valve provides superior tactile sensitivity
- Adjustable head to allow for varying work angles

### Item # Description

36700	Optiblast II Micro-Sandblaster Complete w/60° Tip, 3' x 1/8" Air Tubing, and a sample bottle of 50 micron Aluminum Oxide Blasting Media
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Optiblast II™ Micro-Sandblasting

36700TA	Tip Assembly
36600	Replacement Media Jar (with lid) for Optiblast II
36556	Lab Disconnect Kit (Includes Disconnect Coupling only for 1/4" ID Tubing)
36590	Aluminum Oxide Blasting Media, 50 Micron, 1 lb. Refill
36594	Aluminum Oxide Blasting Media, 50 Micron, 4 lb. Refill

## Opti™ Workstation

### The Ideal Lab Workstation for the Optiblast II with Built-in Dust Collection

The Opti Workstation is a brightly illuminated, easy to use, small dust collecting cabinet for use with the Optiblast, electric handpieces, or other dust-producing devices in the office or lab.

### Features

- Small size (11" wide x 12" deep x 8 1/2" high) fits easily on countertops
- Hinged top window and internal light fixture provide bright illumination for clear viewing
- Dual, wide hand holes allow comfortable hand positioning and access to large workspace
- Efficient suction fan and filter collect damaging grinding debris and maintain quiet operation

- Additional 120V AC power outlet on the back of the unit for operating electric devices
- Hinged rear door for easy cleaning

### Item # Description

36560	Opti Workstation with Suction, 120V AC
36565	Opti Workstation with Suction, 220V AC
36570	Opti Workstation w/o Suction, 120V AC (w/ 2-7/8" OD port on back for connection to a central dust collection system)
36575	Opti Workstation w/o Suction, 220V AC (w/ 2-7/8" OD port on back for connection to a central dust collection system)



Opti Workstation

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## AccuCast™ Premium Casting Machine

The rugged, improved, patented centrifugal casting machine with pre-calibrated balancing that helps ensure superior, dense castings every time. The rugged construction promotes safe operation and a long working life, and the positive locking crucible carrier secures type-A crucibles and prevents accidental shifting or releasing.

- Pre-Calibrated, one-step balancing system saves time and eliminates guesswork

- Versatile carrier adapter allows use with Kerr-type or Wesgo-type crucibles
- Drop-in spring design ensures powerful operation, keeps spring secure, and allows for easy replacement
- Snap-in cradles fitted to each ring flask assure correct alignment with crucible sprue holes
- Convenient size (19 5/16" arm length, 7" x 6 1/2" base housing, 12 1/2" overall height) fits most lab benches
- AccuCast Complete System includes 1 Type "A" Crucible, 4 Steel Ring Flasks (#'s 12, 17, 25, 35), 4 Cradles (#'s 12A, 17A, 25A, 35A), 4 Rubber Sprue Bases (#'s 12R, 17R, 25R, 35R), 2 Flask Tongs (Small and Large), and 1 Crucible Carrier Adapter



Item #	Description
28007	AccuCast Complete System
28008	AccuCast with Crucible and Adapter Only

## Castmaster™ II Casting Machine

The Castmaster II is a more economical casting machine with a classic design that helps assure a straight, smooth flow of gold and dense castings. The unit features a heavy duty spring and heavy base to promote safe and powerful operation.

- Regular arm (22" length) system provides additional casting force and holds flasks up to 3 1/2" x 5" size

- Short arm (15" length) is designed to hold Wesgo-type and high temperature-type crucibles up to 3 1/2" x 2 3/4" size
- Regular Arm Complete System includes 1 Type "A" Crucible, 2 Steel Ring Flasks (#'s 25 and 35), 2 Rubber Sprue Bases (#'s 25R and 35R), 1 Cradle, and 1 Small Flask Tong
- Short Arm Complete System includes 1 Standard Hood Quartz Crucible, 2 Steel Ring Flasks (#'s 12 and 17), 2 Rubber Sprue Bases (#'s 12R and 17R), 1 Cradle, and 1 Small Flask Tong



Item #	Description
17-017	Castmaster II w/ Regular Arm and Accessories
17-018	Castmaster II w/ Short Arm and Accessories

## Cradles

AccuCast Custom Cradles feature stainless steel construction and are custom fitted to each ring flask.

Item #	Description
28014	No. 12A for 1 1/4" diameter Flask (For AccuCast Only)

28015	No. 17A for 1 3/4" diameter Flask (For AccuCast Only)
28016	No. 25A for 2 1/2" diameter Flask (For AccuCast Only)
28017	No. 35A for 3 1/2" diameter Flask (For AccuCast Only)
17-017-09A	Small
17-017-09B	Large



Cradles

## Crucibles

Item #	Description
28010	Type "A", Clay
28011	Slotted Hood, Quartz (reqs. Adapter)

28013	Standard Hood, Quartz (reqs. Adapter)
28018	Type "A", Quartz
28012	Jumbo Type "A", Clay
28172	Adapter for Kerr-Type Crucible



Hood Type Crucible

Type "A" Crucible

## Ring Flasks

Item #	Description
28030	No. 12 Ring- (1 1/4" x 1 1/2")

28040	No. 17 Ring- (1 3/4" x 1 1/2")
28050	No. 25 Ring- (2 1/2" x 2")
28060	No. 35 Ring- (3 1/2" x 2 1/2")
28061	No. 45 Ring- (3 1/2" x 5")



Casting Rings

## Rubber Sprue Bases

Item #	Description
28140	No. 12R Sprue Base - (1 1/4")

28141	No. 17R Sprue Base - (1 3/4")
28142	No. 25R Sprue Base - (2 1/2")
28143	No. 35R Sprue Base - (3 1/2")



Rubber Sprue Bases

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### Other Casting Accessories

Flask tongs feature heavy duty carbon steel construction and are 15 1/2" long.

Item #	Description
28165	Small Flask Tong (for flasks up to 3" diameter)
28166	Large Flask Tong (for 3 1/2" diameter flasks)



### DryVac™ Dust Collector

A durable, high-vacuum dust collector for situations requiring powerful, short duration dust extraction (indicated for dry model trimming.) DryVac features a powerful vacuum motor that provides strong suction, high capacity, and a simple and effective paper filter system.

- 1/2 HP intermittent-duty vacuum motor provides strong, high pressure (100 cfm) suction

- Permanently lubricated bearings and motor silencer cover promote quiet, reliable operation
- Comes complete with 4 feet of dust collection hose and filter paper
- Size: 24" H (27" w/ Silencer) x 15" D with 2 7/8" OD inlet

Item #	Description
34000	DryVac Dust Collection System, 120 V AC
34050	DryVac Dust Collection System, 220 V AC
BAG3	Replacement Filter paper for DryVac, Pkg. of 1



DryVac

### DustClear™ PreFilter Dust Collection System

DustClear is an efficient dust collection cabinet that features the innovative Air-Reverse™ filter cleaning technology. The non-powered cabinet is designed for use directly behind extremely dusty operations such as dry model trimming, but ahead of existing central dust collection systems. When used in this manner as an economical pre-filter unit, DustClear extracts nearly 100% of the voluminous waste from dusty procedures, protects down-stream equipment, and borrows suction power from the existing central dust collection system. DustClear can also be outfitted as a stand-alone powered dust collector by adding the companion intermittent-duty vacuum motor listed below.

- AirReverse filter cleaning system (requires 80 psi compressed air) quickly and thoroughly cleans the filter cartridge and restores peak filtering efficiency
- Clear viewing window and quick-opening top promote convenient monitoring and cleaning of the system
- High-efficiency, pleated polyester filter cartridge traps dust and can last twice as long as other filters
- Large cabinet (11" W x 14" D x 18 1/2" H (w/o Motor) x 65 lbs.) w/ top mounted 2 7/8" OD air inlet and outlet ports
- Optional top-mounted 1/2 HP vacuum motor (10 1/2" H) converts DustClear to a high-powered, 100 CFM, stand-alone dust collector ideal for intermittent-duty use

Item #	Description
37005	DustClear PreFilter Unit
37008	DustClear PowerUp Kit (Vacuum Motor), 120 V AC
37000	Fully Powered DustClear PreFilter System, 120 V AC
FI14	Replacement Filter For DustClear

Note: DustClear Requires 80 psi Compressed Air Attachment For Operation of Filter Cleaning Cycle



DustClear w/ Motor & Silencer

### DustStation™ I

A classic, high performance, commercial grade dust collection system. DustStation I is a highly reliable unit designed to provide powerful, continuous and quiet dust collection for one or two work-stations.

- 1/2 HP continuous-duty motor, "squirrel-cage" blower, and dual 2 7/8" OD air inlets create steady 400 CFM suction
- Large cabinet size (15" W x 15" D x 21" H) features high collection capacity yet still fits beneath lab benches
- Air-tight seals and quiet motor promote low noise (72 decibels) and high efficiency

- Filter system features 14 cotton-covered steel mesh elements with extended surface area for entrapping dust particles down to 1/2 micron size
- External shaker handle permits fast and effective cleaning of filter elements

Item #	Description
35050	Dust Station I, 120 V AC,
35060	Dust Station I, 220 V AC,
35050S	Silencer for Duststation I
35052	Filter Bags, Set of 14
35052AO	Filter Bags for Aluminum Oxide, Set of 12
42101	Filter, 10 x 12 x 2 (For No. 807 Type Unit)
35082	No. 84 Filter Bags (Set of 30 for TORIT brand Unit)
35040-8	Vacuum Hose (3" ID), 8 Foot Section



Dust Station I

**Buffalo Dental Manufacturing Co., Inc.**



## Mobile LabStation™ with Suction

The mobile LabStation is a rolling lab cart with a built-in powered suction drawer. The unit is perfect for the small lab or dental office that desires an effective portable workstation with convenient storage space.

- Enclosed powered Workbench Suction Drawer with clear safety shield provides effective grinding workstation

- Heavy-duty 90 lb. unit features durable construction and stain-resistant, attractive white laminate finish
- Pre-wired 6-outlet power strip (w/ 6' cord) and wire management tunnel allow fast and easy installation
- Large size (21" W x 23" D x 32" H) provides high storage capacity yet permits portability (on 4 rolling casters)

Item #	Description
41250	Mobile LabStation w/ Suction Drawer, 120 V AC



Mobile LabStation

## Workbench Suction Drawer

A convenient, extendable, powered suction drawer with a flip-up safety shield designed for mounting underneath existing laboratory benches. The unit provides adequate dust collection power for grinding operations, yet can be fully retracted for storage underneath the lab bench when not in use.

- Powerful 1.3 Amp "transflow-type" continuous-

duty blower creates quiet, 125 CFM effective dust collection

- Unique, removable bottom pan promotes easy cleaning and can serve as a water trap for precious metals
- Easily mountable under most lab benches (18 1/2" W x 19" D x 7" H) with provided mounting screws
- Unpowered version also available for connection to external dust collector (2 7/8" OD) outlet port on back

Item #	Description
36000	Workbench Suction Drawer (with Motor and Filter), 120 V AC



Workbench Suction Drawer

Item #	Description
36100	Workbench Suction Drawer (w/o powered suction, w/ 2 7/8" OD Port on Back)
42113	Filters, Package of 3, for Workbench Suction Drawer

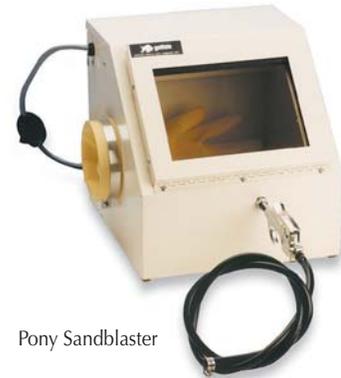
## Pony™ Sandblaster

A compact and sturdy, bench-top recirculating sandblaster with high powered blasting action. The hinged 5" x 7" top window and internal lighting provide bright illumination for clear viewing, and the lever-type air gun recirculates abrasive and provides pin-point abrasive spray control.

- Tightly sealed left-side neoprene glove and top window keep dust enclosed in cabinet
- On/Off power switch on cord for convenient control of cabinet illumination

- Efficient unit requires only 60 to 90 psi compressed air (compressor not included) for effective operation
- Use for removing unwanted investment, oxide, heat scales, and burs from castings and for preparing work for finishing
- Small size (11 1/4" x 10 1/2" x 10 5/8") fits easily on most countertops
- Complete unit includes air tubing, air gun, glove, light bulb, and 5 lbs. of silica blasting media

Item #	Description
75800	Pony Sandblaster Complete, 120 V AC
75801	Pony Sandblaster Complete, 220 V AC
75810	Silica Blasting Media, 5 LB. Bag



Pony Sandblaster

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### No. 220 Air Turbine Handpiece

A classic, economical, 350,000 rpm air turbine handpiece that features powerful and comfortable operation.

- Excellent power and torque for coarse grinding of porcelains and non-precious alloys
- Compact, lightweight design promotes ergonomic, comfortable operation
- FG-sized chuck and turbine system feature

- extended life and minimal maintenance
- Convenient push rod for ejection of friction-held 1/16" diameter burs
- Complete system includes No. 220 Handpiece, Filter/Reg/Lubricator unit w/ Wall Bracket and Connectors, Foot Control w/ 8' long Hoses, Chuck Tool, Replacement Metal Chuck, and Oil

Item #	Description
01000	No. 220 Handpiece, Complete w/ Foot Control, Reg, Access.



No. 220

Item #	Description
01108	Handpiece only, No. 220
01116	Turbine Head Cartridge Only for No. 220

Note: 220 HP requires 60 - 80 psi and 2 CFM compressed air for optimum operation

### MaxAir™ Air Turbine Handpiece

A durable air turbine handpiece with 350,000+ rpm speed and an improved, modular cartridge system.

- Ideal spindle precision, smoothness, and torque for fine grinding of porcelains and non-precious alloys
- Heavy-duty design improves reliability and promotes ergonomic, comfortable operation
- Improved modular turbine cartridge system extends turbine life and allows fast and easy replacement

- Convenient push rod for ejection of friction-held 1/16" diameter burs
- Complete system includes MaxAir Handpiece, Filter/Reg/Lubricator unit w/ Stand and Connectors, Foot Control w/ 8' L Hoses, Chuck Tool, Replacement Metal Chuck, and Oil.

Item #	Description
01100	MaxAir Handpiece, Complete w/ Foot Control, Reg, Access.
01050	Handpiece only, MaxAir
01070	Turbine Head Cartridge Only for MaxAir



MaxAir

Note: MaxAir™ HP requires 60 - 80 psi and 2 CFM compressed air for optimum operation

### Accessories

Durable Metal Chucks provides concentric performance and extended life. Reliable replacement parts for complimenting your existing system.

Item #	Description
01120	Metal Chuck Only For No. 220 and MaxAir Handpieces
01121	Standard Chuck Removal Tool for Metal Chuck
01125	Pro Removal Tool Set for 220 HP Metal Chuck

01122	Installation (Compression) Tool for Metal Chuck
01154	Metal Chuck for No. 8300 HP
01152	Chuck Removal Tool for No. 8300 HP
01156	Cartridge Only for No. 8300 HP
01103	Air Foot Control (w/ 8' Tubing) for Air Turbine Handpieces
01110	Regulator/Filter Unit
01112	Automatic Lubricator Unit
01115	Wall Bracket for Regulator/Filter Unit

Item #	Description
01118-8	Flexible Air Tubing (gray, 1/8" ID), 8 ft. Section
01119-8	Rigid Air Tubing (black, 3/16" ID), 8 ft. Section



Filter/Reg/Lubricator Unit

Air Foot Control

Item #	Description
01109	Turbine Oil, Low Viscosity, 1 Oz.
01127	Turbine Oil, Low Viscosity, 1 Quart



### Buffalo Dental Lathe- Fully Enclosed Sanitary Lathe

A fully enclosed polishing lathe that contains grinding dust within a lighted, compact work cabinet.

- Multiple, rubber-shielded hand entry ports and clear viewing window for improved access and vision
- Easily attaches to dust collector via 1 1/2" OD port on back of cabinet
- Simplified design features one-button operation to start lathe and illuminate cabinet

- Powerful, 1/2 HP, 3450 RPM motor with durable belt drive operates commercial-grade spindle for maximum torque
- Medium size (17" W x 12" D x 12" H, 55 lbs.) keeps unit compact but provides adequate internal working space
- Unit comes complete with dual tapered spindles and removable dustpans



Sanitary Lathe

Item #	Description
58300	Sanitary Lathe Complete w/Dual Tapered Spindles, 120 V AC
58301	Sanitary Lathe Complete w/Dual Tapered Spindles, 220 V AC

58302	Sanitary Lathe Complete w/Dual Tapered Spindles, 220 V AC, 50 Hz
58300/RJ	Optional Jacobs Chuck, Right Hand Side Only, 0-3/16" Capacity

### Burley Arbors

Easy-opening arbor style used with 3/4" diameter emery cloth bands to dress down dentures.

- Simple band tightening adjustment by turning the

- knurled nut in the middle of the arbor to expand or contract the rubber head
- Modified Morse taper mount designed to fit standard dental lathes

Item #	Description
02630	Burley Arbor, Knurled Nut Tightening, Right Side Mount



Burley-Arbor

02640	Burley Arbor, Knurled Nut Tightening, Left Side Mount
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### No. 100 Emery Cloth Arbors

Used with 3/4" diameter bands for general grinding tasks.

- Band tightening adjustment via end screw

- Modified Morse taper mount designed to fit standard dental lathes

Item #	Description
02600	No. 100R Emery Cloth Arbor, Right Side Mount



Emery Cloth Arbor

02610	No. 100L Emery Cloth Arbor, Left Side Mount
-------	---

02670	3/4" Rubber Replacement Head For Arbors
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### No. 200 Bur Chuck

3/16" capacity steel chuck designed for holding small grinding and polishing burs.

- Jaws operated via finger-tightening knurled ring

- For right side use only
- Modified Morse taper mount designed to fit standard dental lathes

Item #	Description
30600	No. 200 Bur Chuck, Right Side Mount



Bur Chuck

### Jacobs Type Chuck and Attachments

Our classic-designed, keyless, fully sealed true-running chuck

- 0-9/32" capacity
- Jaws operated via finger-tightening knurled ring
- Designed for right side use only
- Modified Morse taper mount with locking collar designed to fit standard dental lathes

- Attachments feature 1/4" diameter mandrels for convenient mounting in Jacobs style chucks

Item #	Description
30495	Jacobs Chuck for Right Side Mounting
30520	No. 5L (Left) Stone Chuck
30530	No. 5R (Right) Stone Chuck
30540	No. 6L (Left) Taper Chuck
30550	No. 6R (Right) Taper Chuck
30560	No. 100S Arbor Band Chuck for 3/4" Bands
30570	Disk Flange Chuck



Jacobs Chuck



Stone Chuck

Taper

Arbor Band

Disk Flange

### Lathe Stone Chucks

1 3/4" long brass chuck designed for use with stones that have 1/4" diameter center holes.

Item #	Description
30610	Stone Chuck, Brass, Fits Stones w/ 1/4" Hole, Left Side Mount
30620	Stone Chuck, Brass, Fits Stones w/ 1/4" Hole, Right Side Mount



Stone Chuck

### Lathe Taper Chucks

3 1/2" long tapered chucks in cold-rolled steel or brass designed for use with brush wheels and buffs. Imported.

Item #	Description
30630	Taper Chuck, Brass, Left Side Mount
30640	Taper Chuck, Brass, Right Side Mount
30650	Taper Chuck, Steel, Left Side Mount
30660	Taper Chuck, Steel, Right Side Mount



Taper Chuck

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## Lathe Splashers

Heavy duty housing with solid back panel (no exhaust hole) for controlling splashing and debris during use of standard dental lathes.

- Heavy polished aluminum construction improves safety and durability
- Includes welded dust tray that is removable for easy cleaning
- Available with 120 V AC light and clear shield options for convenient right or left side use
- Size 6 3/8" W x 10 1/2" D x 11 1/4" H

Item #	Description
79805	Left Lathe Splasher w/ Light and Clear Shield, 120 V AC
79806	Right Lathe Splasher w/ Light and Clear Shield, 120 V AC
79802	Left Lathe Splasher w/ Light, w/o Shield, 120 V AC
79803	Right Lathe Splasher w/ Light, w/o Shield, 120 V AC
79804	Lathe Splasher w/ Clear Shield only
79801	Lathe Splasher Only w/o Shield
79810	Replacement Clear Plexiglas Shield
79811	Replacement Dust Tray



Lathe Splasher with Clear Shield

## Buffalo Dental 1/2 HP and 1/3 HP Heavy Duty Wet Model Trimmers

Durable, extra-heavy duty rotary trimming machines with high torque cutting power and no-frills simplicity.

- Extra-high torque 1/2 HP Trimmers excellent for commercial labs and large offices doing high volume trimming
- High-torque 1/3 HP Trimmers ideal for intermittent grinding demands and for most dental office applications
- Trimmers feature whisper-quiet operation, fully adjustable tables, and enhanced splash control

- Convenient size (13" W x 13" H x 18" Deep x 48 lb.)
- All units come complete with a Carborundum grinding wheel, water hose (1/4" ID x 3' long) and drain hose (1" ID x 3' long)
- Optional solenoids provide water flow to trimmer when power applied to motor

Item #	Description
61792	1/2 HP, 10" Model Trimmer, 120 V AC
61792A	1/2 HP, 10" Model Trimmer, 220 V AC, 50HZ
61820	1/2 HP, 12" Model Trimmer, 120 V AC
61830	1/2 HP, 12" Model Trimmer, 220 V AC
61790A	1/3HP, 10" Model Trimmer, 120 V AC
61810	1/3HP, 10" Model Trimmer, 220 V AC
61825	1/3HP, 12" Model Trimmer, 120 V AC



Wet Model Trimmer

Note: Buffalo Dental Model Trimmers require a maximum of 7 Amps (1/3 HP, 120V AC) or 10 Amps (1/2 HP, 120V AC) upon startup.

## UV-MT Model Trimmer

Ultra-Violet Model Trimmer Kills Germs While It Turns! Dental stone models contain various bacteria and organisms which can be spread throughout the lab. Powerful Internal UV-LED Diode kills Bacteria and other organisms on wheel, in grindings and on model. Reduces cross contamination from model to model.

- Powerful and Fast Trimming – Industry-leading extra-high torque motors and aggressive-cutting coarse Carborundum wheels cut fast and smooth saving time and money
- Solid Construction – Classic, heavy construction and time-proven balanced direct-drive systems run quietly and can stay steady and trouble-free on the job for decades

- Enlarged Window – Larger work window provides increased working area, improved vision, and full wheel use while resisting splashing
- Versatile Table – Calibrated work table indicates model angles and can be easily tilted and repositioned to suit nearly every trimming requirement
- Complete Ready-to-Run System – All systems ship complete with a pre-mounted balanced Aggressive-cutting Carborundum Trimming Wheel, 1/4" ID Water Supply Tubing, 1" ID Water Exhaust Hose, and Wheel Wrenches
- Optional Accessories – A wide range of optional accessories are available including pre-mounted water solenoid valves, rubber feet, safety shields, numerous diamond and conventional abrasive-wheels, disposable disks, and several disposable plaster trap options. \*US and Foreign Patents Pending.



UV-MT Model Trimmer

Item #	Description
61780	10" Diameter 1/3 HP Ultra-Violet Model Trimmer, 120 V AC, 60 Hz
61785	12" Diameter 1/3 HP Ultra-Violet Model Trimmer, 120V AC, 60 Hz

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## DualTrim™ Rotary Dry Model Trimmer

Our newest heavy duty dry model trimmer that eliminates the potential ecological and model accuracy problems associated with wet trimming slurry, and can be converted from dry to wet operation.

- Powerful 1/3 and 1/2 HP motor options for powerful and reliable trimming
- Convertible for dry or wet operation via optional Water Conversion Kit
- New 1 1/2" OD exhaust port design allows improved capture of dry and wet grinding debris and less cleaning

- New Quick-Stick™ abrasive sticky disk system promotes faster trimming and quick, "wrenchless" disk changes
- New rubber feet included for quieter operation and easier installation
- Convenient size (13 1/2" W x 13 1/2" H x 19" Deep x 45 lb.)
- All unites come complete with 4 Quick-Stick Abrasive Disks (1 pre-mounted, 3 Extra), Rubber Feet, and Exhaust Hose

Item #	Description
61850	10", 1/3 HP DualTrim, 120 V AC
61855	10", 1/3 HP DualTrim, 220 V AC
61860	10", 1/2 HP DualTrim, 120 V AC
61865	10", 1/2 HP DualTrim, 220 V AC
61875	Water Conversion Kit for DualTrim



DualTrim™ Rotary Dry Model Trimmer

Note: Dry trimming requires the use of an effective, long-term dust collection system for the permanent handling and removal of dry grinding waste

## DryTrim™ Premium Dry Model Finishing System

A heavy duty dry model trimming system that eliminates the potential ecological and model accuracy problems associated with wet trimming slurry.

- Powerful 1/3 HP, 1725 RPM motor provides high torque and maximum cutting power
- 4" W x 24" L grinding belts and multi-position table provide a larger cutting area and improved versatility
- Quick-release belt tensioning and auto-centering mechanisms assure true running
- Heavy duty design (21" W x 12" D x 15" H, 76

- lbs.) for added durability and less maintenance
- On-off switch starts trimmer and energizes 120 V AC outlet on back (for optional dust collector)
- Unit includes 3" OD tail pipe (with Adapter) and requires high volume dust collector (Buffalo Dental DustClear or DryVac recommended)
- Comes complete with plastic Model Basket and set of 3 assorted fast-cutting zirconium oxide Trimming Belts

Item #	Description
61650	DryTrim, 1/3 HP, 120 V AC
61660	DryTrim, 1/3 HP, 220 V AC
61640	Grinding Belts, Extra Coarse (New sharper 40 Grit), Pkg. of 3



DryTrim

Item #	Description
61645	Grinding Belts, Coarse (60 Grit), Pkg. of 3
61700	Cleaning Bar for Belts

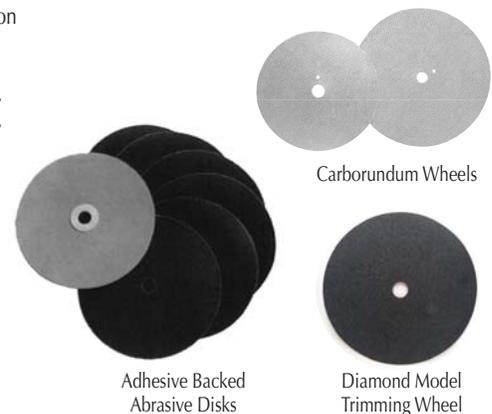
## Model Trimming Wheels

A selection of high quality trimming wheels for improved model trimming performance.

- Diamond Trimming Wheels trim ultra-fast with extra-long life and are permanently mounted to aluminum backing plates (w/ 1" center holes)
- Carborundum Trimming Wheels in No. 24 coarse grit provide fast cutting and two-sided use (w/ 1" center holes)
- Waterproof Silicone Carbide Trimming Disks adhesive-mount to plastic backing plates and provide economical, fast-cutting alternative to traditional wheels

- Plastic Backing Plates feature stiff construction and universal 1" center mounting holes

Item #	Description
61940	Diamond Model Trimming Wheel, 10"
61950	Diamond Model Trimming Wheel, 12"
61990	Carborundum Wheel, 10" Coarse
62030	Carborundum Wheel, 12" Coarse
61960	Standard Adhesive-Backed Coarse Abrasive Disks, 10", Pkg. of 6
61963	Standard Adhesive-Backed Coarse Abrasive Disks, 12", Pkg. of 4
61965	New Quick-Stick™ Adhesive-Backed Coarse Abrasive Disks, 10" (w/ 2" Center Hole), Pkg. of 6
61961	Plastic Back Up Wheel, 10"
61964	Plastic Back Up Wheel, 12"
61962	Plastic Washer



Carborundum Wheels

Adhesive Backed Abrasive Disks

Diamond Model Trimming Wheel

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## Premium High-Torque Trimmer

Provides Fast and Quiet Cutting for the Most Demanding Model Arch Dry Trimming Applications!

- Fast and Easy Dry Trimming High-torque, 5400 rpm, 1/8 HP heavy-duty motor promotes quiet, fast, and nearly effortless cutting
- Improved Dust Control Enlarged 7" x 7" work table with built-in dust control ducting and 1" OD exhaust port on back maintain quiet and effective dust control- ready for attachment to your existing dust collector
- Rapid Tool Changes Quick-release work table and 1/4" collet allow convenient and fast changing of 1" maximum OD cutting tools
- Improved Safety Strong 4" x 6" clear polycarbonate safety shield helps protect the operator from debris, and the interlocking on-off switch automatically resets to off in case of power interruption

- Buffalo Tough Cutting Instruments System ships complete with a fast cutting Buffalo Tough 1/2" diamond-cut tungsten carbide bur and a 3/4" coarse-grit arbor band set
- Compact Size 8 in. (20.4 cm) Width x 10 in. (25.4 cm) Depth x 8-1/8 in. (20.6 cm) Height x 14 lb. (6.4 kg) Weight
- Complete Range of Products Please see our complete range of model trimming equipment and supplies including Wet and Dry Model Trimmers, Trimming Wheels and Belts, Knives and Burs, Safety Shields, and Disposable Plaster Traps.

Item #	Description
64000	Model Arch Trimmer Complete System, 120V AC, 1.2 A, including Safety Shield, Wrench Set, 1/2" Diameter Diamond-Cut Tungsten Carbide Bur (#19400), 3/4" Arbor Band Mandrel (#02925), and Coarse Grit Zirconia Arbor Bands, Pkg. of 10 (#02700)



Premium High-Torque Trimmer

## Safety Shields w/ Flexible Necks

A high-impact, protective clear shield for use with model trimmers, lathes, and other laboratory equipment.

- 8" x 8" polycarbonate shield provides improved clarity and protection
- Metal goose-neck swivel arm allows fully adjustable positioning and flexibility
- Standard shield permanently mounts via screws

- to lab bench or other surfaces
- New custom clamp-on model quickly attaches to the motor base flange of Buffalo rotary trimmers via aluminum clamp w/ 1/8" wide slot

Item #	Description
78400	Standard Safety Shield, Complete
78900	Custom Clamp-On Safety Shield (w/ 1/8" Wide Clamping Slot) for Buffalo Rotary Trimmers
78400RP	Replacement Shield w/ Rod (Without Flexible Neck)



Custom Safety Shield Base Clamp

## Miscellaneous Accessories

Item #	Description
61798	Rubber Feet for Rotary Model Trimmers, Set of 4
61900	Water On/Off Solenoid, User Installed, 120V AC
61901	Water On/Off Solenoid, Factory Installed, 120V AC
61905	Water On/Off Solenoid, User Installed, 120V AC

61906	Water On/Off Solenoid, Factory Installed, 220 V AC
MT-HSGGASK	Replacement Rubber Gasket for 10" Wet Trimmer Front Housing
MT-HSGGASK12	Replacement Rubber Gasket for 12" Wet Trimmer Front Housing
MT-TABLE	Replacement Adjustable Model Table for 10" Wet Trimmer



Rubber Foot

## Trap-Eze™ Disposable Plaster Traps

The sanitary, convenient, odor-resistant solution for the capture and disposal of messy wet model trimming waste.

- Economical traps with permanent lids designed to slow discharge flow and allow plaster to settle out of water
- Two flexible hoses (1 1/2" ID x 1 3/4" OD x 20" long) conveniently connect trap to sink tail pipe and sewer tail pipe
- Smaller 3 1/2 gallon trap (12 1/2" diameter x 11" H) ideal for most general use applications

- Larger 5 gallon trap (12 1/2" diameter x 14 1/2" H) best for larger offices and labs with high volume needs as space permits
- Require only 7" to 9" of clearance below sink tail pipe for easy installation with no tools
- Complete kit includes Trap, two hoses, and sewer tail adapter fitting
- Refill includes trap and two plastic caps for sealing full trap

Item #	Description
62100	3 1/2 Gal. Complete Kit
62106	3 1/2 Gal. Refill
62110	5 Gal. Complete Kit
62112	5 Gal. Refill
62108	Hoses Only, Set of 2, Flexible



Trap-Eze™ Disposable Plaster Trap

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## Trap-Eze BT Bottle Trap

The new Trap-Eze BT provides a convenient and easy to use bottle-style trap for permanent plumbing into the existing sanitary drain beneath the lab sink. The replaceable bottles feature excellent capacity for smaller labs and dental offices and are fast and easy to replace.

- Complete kit provides instructions and customizable 1 1/2" size plumbing and connectors for convenient hard-plumbing (requires a minimum 16" of height between the centerline of the sewer tail pipe and the floor of the cabinet)
- Complete system includes a 64 oz standard size clear plastic bottle, a pre-assembled trap body, and the plumbing connections typically required to fit the plumbing used in most dental office and dental lab sub-sink areas.

Item#	Description
62150	Trap-Eze BT Bottle Trap Complete System including 64 Oz. Plastic Bottle + 1 1/2" Piping Installation Kit
62155	Replacement Clear 64 Oz. Trap-Eze BT Plastic Bottles with Lids, Pkg. of 2



Trap-Eze BT Bottle Trap

## Trap-Eze SS Self-Sanitizing Trap

Original classic Trap-Eze upgraded to include an automatic sanitizing system to keep it smelling fresh and clean

- New patent-pending sanitizing system inside the trap designed to last for months

- Fully automatic dispensing helps assure steady action and long term freshness
- Unique system covers the sanitizing agent and activates after the trap is in use

Item#	Description
Sanitrap1	3 1/2 Gal. Trap-Eze SS Self-Sanitizing Trap Complete Kit -

Item#	Description
Sanitrap2	3 1/2 Gal. Trap-Eze SS Self-Sanitizing Trap Refill
Sanitrap3	5 Gal. Trap-Eze SS Self-Sanitizing Trap Complete Kit-
Sanitrap4	5 Gal. Trap-Eze SS Self-Sanitizing Trap Refill -

## Buffalo Dental Laser Pinsetter

A fast and convenient machine w/ 1/8" ID Chuck for locating and drilling dowel pin holes utilizing laser light beam positioning.

- Top mounted laser light beam indicates exact X-Y positioning of drill tip for guaranteed location accuracy
- Automatic drill activation by depressing model platform adds convenience and saves time
- Powerful 30,000 RPM, 1/8 HP, 2.4 Amp drill motor provides fast and smooth cutting action

- Heavy duty construction (8 1/2" W x 10" D x 15" H x 18 lbs.) protects motor and improves durability
- Versatile design permits use in upright or angled position for ergonomic standing or seated use
- Drilling depth adjustable via convenient adjustment screw
- System includes Pinsetter and standard, counter-sunk, P-type drill w/ 1/8" shank diameter

Item #	Description
39000	Laser Pinsetter System, 120 V AC
39005	Laser Pinsetter System, 220 V AC
39100	Pinsetter Drills No. 1, Pkg. of 2



Laser Pinsetters

## Buffalo Dental Soldering Machine

A compact machine that is ideal for industrial, jewelry, and general laboratory soldering applications.

- Applies soft or hard solder in seconds without flame for added safety and versatility
- Maximum 1000 W system produces adjustable soldering tip temperatures to 2000 degrees F
- Heat passes through Carbon Electrodes to ensure good contact and strong solder joints
- Large Carbon Holder can be adjusted to hold Carbons horizontally or vertically for extra con-

- venience
- Designed so that both hands can be rested on the bench for improved comfort
- Attractive gray hammer tone Console measures 10 1/2" W x 6 7/8" D x 4 1/8" H, 12 lbs.
- Machine includes Foot Control, three Large Carbons, two Small Carbons, one Contact Rod, one Alligator Clip, one Bulldog Clamp, and a Stand for the Large Carbons

Item #	Description
42-553	Soldering Machine, 120 V AC
42-553/220	Soldering Machine, 220 V AC
42-553-25	Set of 5 Carbons



Soldering Machine

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### 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



Knife Edge Tip

Concave Tip

Waxing 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 110 V



Figure 1



Figure 2



ThermaPlier™

### 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 <b>CE</b>
80198	Replacement ConverTable for Sta-Vac II
80188	Replacement Steel Beads for Sta-Vac II (and Accu-Vac), 3 Lb. Pkg.

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
80190	Sta-Vac System, 120 V AC
80191	Sta-Vac System, 220 V AC <b>CE</b>



Sta-Vac II



## 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 **CE**



Accu-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 **CE**



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 **CE**

Heating elements on Buffalo Dental vacuum formers utilize 500 W power to generate 300 degree F. temperatures. Vacuum motors on Buffalo Dental vacuum formers utilize 900 W power (up to 1700W momentarily upon start-up).



Tray-Vac

## No. 1A Vibrator

Our most popular small bench vibrator that is ideal for dental office laboratories.

- Improved 3-Speed switch and upgraded electronics create 120 W power and dependable 60 Hz vibration

- Durable 4" diameter rubber-covered platform and suction cup feet improve stability and ensure quiet operation
- Small size (4 1/2" W x 4 1/2" D x 4 1/2" H x 6 lbs.) fits conveniently in most office labs

### Item # Description

- 84350 No. 1A Vibrator, 120 V AC  
84355 No. 1A Vibrator, 220 V AC **CE**



No. 1A

## No. 1B Vibrator

An innovative small vibrator with variable speed via foot control.

- Fully variable speed via foot control provides convenient, hands-free operation
- Small size (4 1/2" W x 4 1/2" D x 4 1/2" H, 6 lbs.) fits conveniently in most office labs

- Durable 4" diameter rubber-covered platform and suction cup feet improve stability and ensure quiet operation

### Item # Description

- 84360 No. 1B Vibrator, 120 V AC  
84365 No. 1B Vibrator, 220 V AC



No. 1B

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## No. 2 Heavy Duty Vibrator

A premium, mid-size laboratory vibrator with powerful, 3-speed, 60 Hz vibration.

- Ribbed 6" diameter rubber-covered platform holds larger flasks
- Three speed control switch for optimum performance selection

- Heavy beige-enameled housing unit (11" W x 4 1/2" D x 6 1/2" H x 13 lbs.) improve stability and durability

Item #	Description
84400	No. 2 Vibrator, 120 V AC
84410	No. 2 Vibrator, 220 V AC



No. 2

## No. 200 Extra-Heavy Duty Vibrator

Our largest, most powerful, variable speed bench vibrator for multiple flasks and dense castings

- Large 10 1/2" W x 7 1/2" D rubber-covered steel work platform improve convenience and spill control

- Improved electronics and fully variable speed control promote powerful 350 W, 60 Hz vibration
- Heavy beige-enameled cast aluminum housing provides stability and eases clean-up tasks (4 1/2" H x 19 lbs.)

Item #	Description
84500	No. 200 Vibrator, 120 V AC
84510	No. 200 Vibrator, 220 V AC



No. 200

## Accessories

SplashCap™ plastic splash guard fits over top of No. 1A and 1B vibrators and

provides increased spill control and easy clean-up

Item #	Description
84324	SplashCap Plastic Splash Guard



SplashCap

## Waxing Unit

A compact, economical 3-compartment wax heating unit with adjustable temperature control.

- On/Off switch located on power cord to prevent wax seepage into switch mechanism
- Controlled temperatures from 140 to 210 degrees F for convenient operation

- Provides three 11/16" deep wax compartments (one is 2 1/2" x 2 7/8", and two are 1 5/8" x 1 3/8")
- Attractive design with wood sides and helpful heat indicator light on front panel

Item #	Description
86000	Waxing Unit, 120V AC
86010	Waxing Unit, 220V AC



Waxing Unit