Pre-polishing

1) Attach the Hatho Multi Layer Brush (#1670541) to your polishing lathe.

2) Adjust the speed to low speed, max 1,800 rpm.

3) To fill the Multi Layer Brush with additional polishing compound Hatho Polistar Lintygrey (#16740542) against the rotating Multi Layer Brush for approximately 2 seconds.

4) Use the filled brush to evenly polish the thermoplastic denture surfaces for approximately 3 to 4 minutes until smooth.

5) Finish step 1 as usual by cleaning the workpiece.

Shine Polishing

1) Attach the Hatho Cosmina Soft Polishing Buff (#1670543) to your polishing lathe.

2) Adjust the speed to low speed, max 1,800 rpm.

3) Apply approximately 1 cm of Hatho Polistar Creme (#1670544) to the pre-polished thermoplastic denture as needed.

4) Gently and evenly polish the denture surfaces for approximately 3 to 4 minutes until all fine marks have disappeared.

5) Finish step 2 as usual by cleaning the workpiece.

High Shine Polishing

1) Attach the Hatho Mira Polishing Buff (#1670523) to your polishing lathe.

2) Adjust the speed to low speed, max 1,800 rpm.

3) Fill polishing buff with polishing agent by holding high shine polishing compound Hatho Polistar Pro Pink (#1670546) against the rotating buff for approximately 2 seconds.

4) Gently and evenly polish the denture surfaces for approximately 3 to 4 minutes until it exudes the high shine, brilliant appearance that up until now could only be achieved with PMMA acrylic dentures.

5) Finish step 3 as usual by cleaning the workpiece.

Enjoy the best result in polishing thermoplastic dentures achieved in the shortest time ever possible!

#1670540 Hatho Thermopol Set
MSRP...$126.95
MACHINE III

The Machine III has been a staple in Keystone Industries’ long-lasting line of highly recommended vacuum former machines. The price, features and reliability make it the first choice in dental vacuum formers. The machine has more power than any other dental vacuum former for a more accurate and definite dental thermoplastic appliance.

Produce bleaching trays, sports mouthguards, implant stints, temporary splints, custom impression trays, denture bases, copings, temporary crowns and bridges, orthodontic appliances and more!

FEATURES:

- Time-tested, easy-to-use system
- Uses 5” x 5” resin sheets
- Available in 110 Volt and 220 Volt
- Machine weight: 22 lbs.
- Symmetrical heating system
- Lightweight, rust-free aluminum frame
- Made in the U.S.A.
- 5-year guarantee on parts and labor

110 Volt Item# 7000330
MSRP...$425.50
Keystone Industries could not be more excited for a product that helps develop excellent Diamond D® and other acrylics in much quicker time, and easier fashion. The TF-100 muffle will give your laboratory a cleaner environment and make the process more enjoyable for the production of your work.

• Acrylic material designed for use in microwave
• Cannot be damaged by exertion of pressure
• Polymerization time shortened to four minutes
• Used in the making of total upper and lower dental prostheses
• No isolating material needed between the muffle and the plaster
• Does not require a specific resin
• Increased removal of residual monomer
• Reduction in energy consumption
• Cleaner and faster than the traditional
• High quality denture

ORDER TODAY!  »  Call: 1-800-333-3131  »  Fax: 856-224-9444  »  Visit: www.keystoneind.com

Denture fabricated with Diamond D Acrylic and Vitapan Plus Teeth by Dennis Urban CDT.
**DOUBLE DOWEL PINS**

Our state-of-the-art Double Dowel Pins are twin pins that come equipped with die guards and sleeves, which are simple and easy to use with any Pindex Machine. Added stability that in turn eradicates rotation, they become tremendously precise and do not distort. Pins are available in packs of 1,000 as well as Rubber Sheets.

**LUXURY DELUXE ARTICULATOR**

Our Luxury Deluxe Articulators still offer the finest quality while remaining at an affordable price. This Luxury Deluxe Articulator is a four-piece magnetic mounting disc set with two plastic steel mounting magnet plates. There is a curved plate, a flat plate and long incisal and central pins. The mount is backed with black Teflon coating. The articulator is easy to clean.

**PRECISION ARTICULATOR**

The Precision Articulator is great for transferring mounted cases between the same articulator without the loss of accuracy. The incisal tables can unscrew and be easily replaced. The articulator has smooth lateral and protrusive movements. There’s an anterior leg for easy viewing.

**YETI IQ SCULPTURING WAX**

Yeti IQ Sculpturing Wax was created in with the help of well-known dental experts. This produced a high-quality sculpturing wax suitable for all applications. You get a high inner stability that’s very hard and not fragile. The higher point of solidification gives very good sculpturing features.

**PROFORM BASE PLATE WAX**

This Base Plate Material is used for denture base or wax bite plates. Made of pure high-impact styrene, the material melts at a low temperature and is easy to work with. Comes in three different thicknesses: 0.060 (1.5mm), 0.080 (2mm), 0.100 (2.5mm)

**Deluxe Magnetic Articulator with Pin**

The Deluxe Magnetic Articulator comes with magnetic split casting to ensure easy removal and exact settings of models. This articulator is excellent for checking cases. It’s completely interchangeable, lightweight and Teflon coated. Incisal pins for the use with denture production.

**Prices shown are MSRP. We do not sell directly. Orders will be processed through your chosen dealers.**

**Deluxe Magnetic Articulator with Pin**

#1050074 ........................................................ MSRP $73.50
**Curved Disc For Deluxe Mag. Articulator**

#1050077 ........................................................ MSRP $1.40

**Double Dowel Twin Pins**

These state-of-the-art Double Dowel Pins are twin pins that come equipped with die guards and sleeves, which are simple and easy to use with any Pindex Machine. Added stability that in turn eradicates rotation, they become tremendously precise and do not distort.

Pins are available in packs of 1,000 as well as Rubber Sheets.

**Deluxe Magnetic Articulator with Pin**

#1050074 ........................................................ MSRP $73.50
**Curved Disc For Deluxe Mag. Articulator**

#1050077 ........................................................ MSRP $1.40
**Laboratory Essentials**

### Pro-Form Splint Material
This stiff clear material is ideal for hard splints, thin splints, surgical trays, orthodontic retainers and bleaching trays. The material sticks to acrylics for various dental appliances. The versatile splint material will surely be used in any lab or office. Available in 5” x 5” (127 x 127 mm) sheets.

<table>
<thead>
<tr>
<th>Pro-Form Splint Material</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>#9614800 0.020 thickness</td>
<td>$20.70</td>
</tr>
<tr>
<td>#9614830 0.040 thickness</td>
<td>$23.80</td>
</tr>
<tr>
<td>#9614780 0.060 thickness</td>
<td>$27.90</td>
</tr>
<tr>
<td>#9614790 0.080 thickness</td>
<td>$34.90</td>
</tr>
<tr>
<td>#9614820 0.100 thickness</td>
<td>$41.40</td>
</tr>
<tr>
<td>625/Pkg</td>
<td></td>
</tr>
<tr>
<td>#9614860 0.020 thickness</td>
<td>$171.10</td>
</tr>
<tr>
<td>#9614880 0.040 thickness</td>
<td>$307.55</td>
</tr>
<tr>
<td>#9614840 0.060 thickness</td>
<td>$346.90</td>
</tr>
<tr>
<td>#9614850 0.080 thickness</td>
<td>$419.90</td>
</tr>
<tr>
<td>#9614950 0.100 thickness</td>
<td>$520.95</td>
</tr>
</tbody>
</table>

### Pro-Form centri-fuse
The demand of athletic mouthguard customization has grown significantly during the past few years. It’s not uncommon to see professional athletes showing off their custom mouthguards with personal numbers, team logos or phrases on it. That’s why Keystone Industries is thrilled to launch the centri-fuse kit, an innovated product that makes the application of decals to mouthguards quicker, easier and more cost effective.

The adhesive material is applied by using a flameless torch to create superb clarity and excellent adhesion while eliminating bubbles. The material is user friendly and adjustments are made in a matter of a few minutes with conventional tools.

Kit includes: 20 centri-fuse strips, Flameless Torch, Primer, Brush, Scissors, Trimming and Polishing Brush, Pre-printed Decals

<table>
<thead>
<tr>
<th>centri-fuse Kit</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1009100</td>
<td>$159.95</td>
</tr>
<tr>
<td>centri-fuse Replacement Sheets</td>
<td>$32.50</td>
</tr>
</tbody>
</table>

## Versacryl Thermo-soft Adjustable Reline
This unique product has been developed to create thermo-adjustable relines. Imagine having the luxury to simply heat a denture and re-adjust the fit in seconds and if it’s not satisfactory the procedure can be repeated anytime by the dentist, the technician or even the patient themselves.

The Versacryl Reline is not a regular “soft reline” material. It is a heat sensitive liner that softens in warm water between 120°F - 205°F. At body temperature the Versacryl has an extremely comfortable cushiony effect that yields to pressure and actually creates better suction than conventional soft liners.

**Lab Kit includes:**
- 2 x 50g Powder (clear and pink veined)
- 1 x 60 ml Hardener Monomer Liquid
- 1 x 60 ml Softener Monomer Liquid
- 2 measuring cups, eyedropper and instructions

<table>
<thead>
<tr>
<th>Heat Cure Lab Kit</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1014032</td>
<td>$206.80</td>
</tr>
<tr>
<td>Self Cure Lab Kit</td>
<td></td>
</tr>
<tr>
<td>#1014031</td>
<td>$206.80</td>
</tr>
</tbody>
</table>

**Reline Kit includes:**
- 2 x 50g Powder (pink)
- 2 x 60 ml Pre-mixed Monomer Liquids
- 2 measuring cups, eyedropper and instructions

<table>
<thead>
<tr>
<th>Heat Cure Lab Kit</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1014034</td>
<td>$206.80</td>
</tr>
<tr>
<td>Self Cure Lab Kit</td>
<td></td>
</tr>
<tr>
<td>#1014033</td>
<td>$206.80</td>
</tr>
</tbody>
</table>

**Prices shown are MSRP. We do not sell directly. Orders will be processed through your chosen dealers.**

**ORDER TODAY!**
- Call: 1-800-333-3131
- Fax: 856-224-9444
- Visit: www.keystoneind.com

---

**Pro-Form Splint Material**

The demand of athletic mouthguard customization has grown significantly during the past few years. It’s not uncommon to see professional athletes showing off their custom mouthguards with personal numbers, team logos or phrases on it. That’s why Keystone Industries is thrilled to launch the centri-fuse kit, an innovated product that makes the application of decals to mouthguards quicker, easier and more cost effective.

The adhesive material is applied by using a flameless torch to create superb clarity and excellent adhesion while eliminating bubbles. The material is user friendly and adjustments are made in a matter of a few minutes with conventional tools.

Kit includes: 20 centri-fuse strips, Flameless Torch, Primer, Brush, Scissors, Trimming and Polishing Brush, Pre-printed Decals

<table>
<thead>
<tr>
<th>centri-fuse Kit</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1009100</td>
<td>$159.95</td>
</tr>
<tr>
<td>centri-fuse Replacement Sheets</td>
<td>$32.50</td>
</tr>
</tbody>
</table>

---

**Versacryl Thermo-soft Adjustable Reline**

This unique product has been developed to create thermo-adjustable relines. Imagine having the luxury to simply heat a denture and re-adjust the fit in seconds and if it’s not satisfactory the procedure can be repeated anytime by the dentist, the technician or even the patient themselves.

The Versacryl Reline is not a regular “soft reline” material. It is a heat sensitive liner that softens in warm water between 120°F - 205°F. At body temperature the Versacryl has an extremely comfortable cushiony effect that yields to pressure and actually creates better suction than conventional soft liners.

**Lab Kit includes:**
- 2 x 50g Powder (clear and pink veined)
- 1 x 60 ml Hardener Monomer Liquid
- 1 x 60 ml Softener Monomer Liquid
- 2 measuring cups, eyedropper and instructions

<table>
<thead>
<tr>
<th>Heat Cure Lab Kit</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1014032</td>
<td>$206.80</td>
</tr>
<tr>
<td>Self Cure Lab Kit</td>
<td></td>
</tr>
<tr>
<td>#1014031</td>
<td>$206.80</td>
</tr>
</tbody>
</table>

**Reline Kit includes:**
- 2 x 50g Powder (pink)
- 2 x 60 ml Pre-mixed Monomer Liquids
- 2 measuring cups, eyedropper and instructions

<table>
<thead>
<tr>
<th>Heat Cure Lab Kit</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1014034</td>
<td>$206.80</td>
</tr>
<tr>
<td>Self Cure Lab Kit</td>
<td></td>
</tr>
<tr>
<td>#1014033</td>
<td>$206.80</td>
</tr>
</tbody>
</table>
Diamond D® delivers:
• Strongest denture acrylic on the market
• Industry standard colors and shades
• Excellent accuracy and bonding

ITSOCLEAR

ITSOCLEAR provides the ability to produce and repair a clasp in less than 4 minutes with cosmetic appeal unlike any other clasp.

FEATURES:
• Saves bench time while producing a higher quality dental aesthetic clasps
• Crystal clear, will not lose clarity
• Non-abrasive
• Easily adjustable
• No injection machines or hand-held injectors required
• Perfect for new partial dentures, as well as repairs and replacing metal clasps

#1009150 1.8mm thick Universal Clasps, 6/Pkg........MSRP $54.95
#1009152 1.8mm thick Universal Clasps, 36/Pkg.....MSRP $274.95
#1009151 2.2mm thick Molar Clasps, 6/Pkg.............MSRP $54.95
#1009153 2.2mm thick Molar Clasps, 36/Pkg.............MSRP $274.95
With today’s focus on highly cosmetic dental restorations and appliances, material selection for removable partial dentures is of the utmost concern when it comes to patient satisfaction. The demand for function and aesthetics is constantly growing. Patients want to wear a partial denture that is functional, natural looking and one that does not look like a denture. For instance, when a patient requires a transitional acrylic partial, a non-functional, unaesthetic partial with wrought wire clasps, brittle acrylic, and cheap non-anatomical denture teeth are not the norm anymore. Clinicians and technicians are now presented with more quality choices for removable partial design than ever before.

An ideal choice for cosmetic clasps on metal frameworks, acrylic partials and clasp replacement on repairs is the Itsoclear clasp system from Keystone Industries. The Itsoclear clasp provides the ability to make a clear clasp in less than 4 minutes. This clasp can be fabricated without the use of expensive equipment and the clarity of the clasp reveals the natural shade of the underlying tooth making it virtually invisible.

The following actual case is an acrylic partial, which can be utilized in both a long or short term partial denture solution. In many cases dentists prescribe acrylic or transitional partials during long term implant case planning or because patients cannot tolerate metal partial frameworks and even when a less expensive alternative is in order. We are going two steps further with this particular case because the acrylic partial will be cured in one of the best denture base materials on the market, Diamond D Acrylic, and with cosmetic wear resistant MFT denture teeth by Vita.

The first step is to fabricate the Itsoclear clasps (Fig. 1). This case will require two clasps, a clasp on tooth #5 and another on tooth #12. Warm the clasp over a Bunsen burner or alcohol torch to make it pliable (Fig. 2) and then adapt to the desired tooth. Some technicians use a 3 prong pliers, but I find it easier and faster using my fingers to form the clasps (Fig. 3). After the clasps are formed around the buccal of the tooth a retention loop must be formed so the clasp can be processed and retained in the acrylic. Cut off the excess clasp material, heat over a flame and create a loop. Clasp can be adjusted by adding more heat from the alcohol torch or burner (Fig. 4). Lay the clasp against the tooth and put a few drops of wax over loop to hold clasps in place on the model (Fig. 5). After both clasps are formed, we are ready to move forward with the denture tooth set up.

On this case, the patient may be undergoing some extensive dental work during the upcoming months. The patient has crowns and bridge restorations, which are not in the best of shape. The patient is still deciding for the future whether to go with implants and attachments and a milled bar, a partial denture with attachments, or to just add teeth as needed to the acrylic transitional partial. If the underlying teeth were sound, then my choice would be new crown and bridge restorations with appropriate attachments for a partial denture.

When selecting denture teeth for any case we must be sure that the teeth will be both functional and aesthetic. I used Vita MFT teeth for this case because they fall into the category of a midrange denture tooth meeting the patient’s expectations for high aesthetics (Fig. 3). The posteriors have a cuspal inclination of 15 degrees and can be utilized for either linguinal occlusion or centric occlusion. These teeth also come in Vita classical and 3D shades, which made them perfect for this case because the patient had a 1M1 shade already.

After setting the denture teeth, I waxed the case for finish and tried to keep the waxed up denture as close as possible to what the finished case would look like. I made sure that I had lingual reciprocation on tooth number 5 and 12 (Fig. 7 and 8). This is to ensure a better fit and to also make sure these teeth do not drift due to lack of acrylic reciprocation.

Now we are ready to process the case. Some technicians will use a pour type acrylic, but I prefer the use of Diamond D heat cured acrylic, a high impact color stable acrylic with the right degree of flexural strength. I invest the first half of the investment in a type III gypsum and cover the clasps to hold them in place. All teeth and wax are exposed (Fig 9). Smooth all surfaces and eliminate all undercuts in gypsum. Apply a thin coat of petroleum jelly or separating medium and then proceed to pour gypsum into top half of flask.

Boil out the case and make sure all wax residue is removed (Fig. 10). After boiling out the case and steam has stopped rising paint on Diamond D separator. Apply a second coat after a few minutes. When cast is dry, mix up Diamond D heat cure powder and liquid and split pack case (Fig. 11) right before acrylic reaches the doughy stage. Then trial pack and process.

De-flask case carefully and check occlusion (Fig. 12). When finishing the processed case, keep in mind that the Itsoclear clasps can be tapered with a small carbide bur. I have tapered the tips of the clasps for a more intimate fit against the interproximal of the teeth.

Looking at the finished case, you can easily see the high-end cosmetic quality of the acrylic transitional partial (Fig. 13, 14, 15, and 16). With the combination of Itsoclear clasps, Diamond D acrylic and Vita MFT teeth, the end result of this case provided the ultimate goal: patient satisfaction.
LETTER from the VICE PRESIDENT

Welcome to Keystone Marketplace!

This is the second issue of Marketplace we’ve distributed, which is an excellent way for us to showcase our products to you. In my 25-years of business and experience in this field, I’ve never been more excited to announce such advanced products that increase your work’s productivity and results.

Some of these most revolutionary products on the market can be found right here in the Keystone Marketplace, such as the Hatho ThermoPol Set seen on the front cover. Not only will this state-of-the-art kit polish your thermoplastic material to a shine greater than ever, it also is able to work on Valplast® and TCS® materials to make it stand above against the rest of the competition.

We hope the Keystone Marketplace can serve as a good resource to find the best possible products at the prices you want and that will suite you well. You can order by phone or on our website (www.keystoneind.com), which will be processed through your preferred dealer.

Enjoy shopping at the Keystone Marketplace; we look forward to your business.

Best Regards,

Michael Prozzillo
Vice President of Sales and Marketing

---

Mizzy Heatless Wheels

Heatless Original Wheels (grey) are made of a silicone carbide abrasive to make a unique, non-loading binder for rapid reduction through the final shaping of non-precious, semi-precious, precious alloys, porcelain, acrylic, denture teeth and natural dentition, without generating excessive heat. These wheels come in 15 difference sizes and in regular grit. They also withstand a maximum of 20,000 rpm.

The White Heatless Wheels are non-contaminating, aluminum oxide wheels that can be used on either porcelain or precious and semi-precious metal. They cut fast, run true, wear evenly, and won’t ever clog. Sold 50/Box.

<table>
<thead>
<tr>
<th>Size</th>
<th>Description</th>
<th>Regular</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6130100</td>
<td>3/16” (4.8 mm) x 1”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6130200</td>
<td>1/8” (3.1 mm) x 1”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6130300</td>
<td>3/32” (2.4 mm) x 1”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6130400</td>
<td>3/16” (4.8 mm) x 7/8”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6130500</td>
<td>5/32” (3.9 mm) x 7/8”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6130600</td>
<td>3/32” (2.4 mm) x 7/8”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6130700</td>
<td>3/16” (4.8 mm) x 3/4”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6130800</td>
<td>8 1/8” (3.1 mm) x 3/4”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6130900</td>
<td>3/32” (2.4 mm) x 3/4”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6131000</td>
<td>10 3/16” (4.8 mm) x 5/8”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6131100</td>
<td>11 1/8” (3.1 mm) x 5/8”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6131200</td>
<td>12 3/32” (2.4 mm) x 5/8”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6131300</td>
<td>13 3/16” (4.8 mm) x 1”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6131400</td>
<td>14 1/8” (3.1 mm) x 1/2”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
<tr>
<td>#6131500</td>
<td>15 3/32” (2.4 mm) x 1/2”</td>
<td>$32.95</td>
<td>$32.95</td>
</tr>
</tbody>
</table>

MSRP $32.95 each