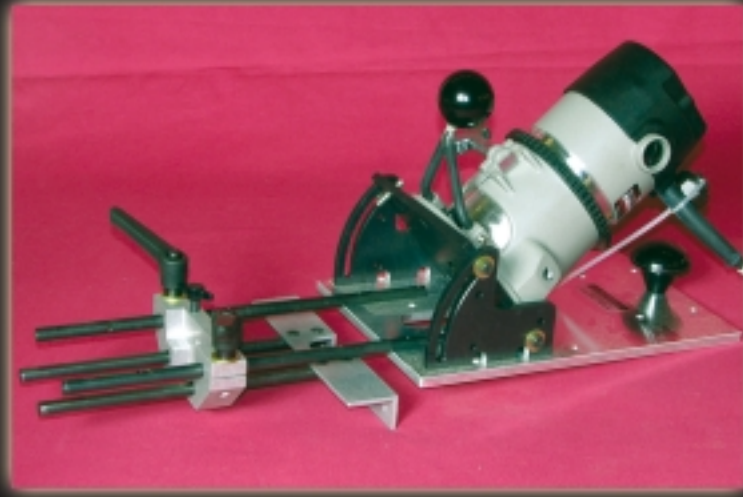


\$2.00

Betterley

INDUSTRIES INC.



Specialty Tools

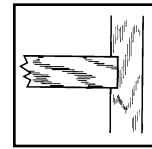


Betterley **UNDERSCRIBE ROUTER**

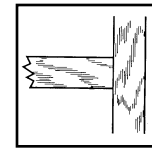
- **VERSATILE** - Cuts all plastic laminates for all types of joints in store fixtures, face frames, cabinets, circular bands, anywhere!
- **FAST**- Saves time! Comes set up ready for use.
- **EFFICIENT**- Reduces material waste and hand work.
- **EASY**- One hand operation. Tapered edge automatically lifts the over-lapping laminate for cutting.
- **DURABLE**- Hard-Coated aluminum plate will not mark laminate.
- **ACCURATE**- Easy to adjust eccentric cam system provides precise control of cut. See fig. 1. Adjustments are made by use of an adjusting wrench. See fig. 2.



Example:



1. Mount all styles, then place rails, overlapping up to 3/4".



2. Tapered edge of Underscribe lifts laminate and cuts it to style for a perfect fit.

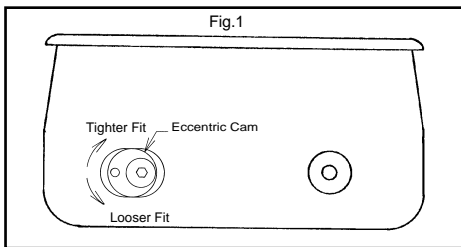
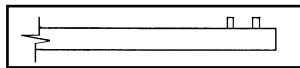
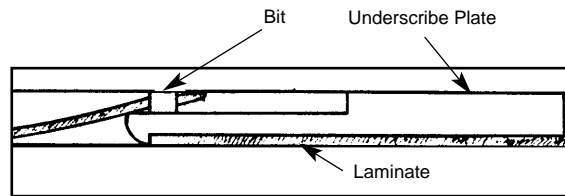


Fig. 2



Adjusting Wrench

Model #U310



On long joints, press overlapping piece of material down in front and back of underscribe to prevent chips from going underneath laminate.

ADDITIONAL MODELS AVAILABLE

- Complete Betterley Underscribe Router
- Bases only

Standard Equipment on all models: • Solid Carbide 1/8" dia. bit • Adjusting Wrenches • Instruction Manual

Model #U7310



Model #U10E



Model #U1954



Model #UB 310



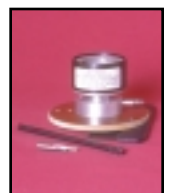
Model #UB 7310



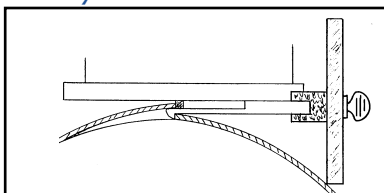
Model #UB10E



Model #UB1954



- Accessories Available
- Betterley Drum Attachment**



Allows you to cut joints on a cylindrical surface. #DA100

Replacement Bit



Model # SC125

Eliminate Problem Dust and Chips From Collecting Under Pre-Glued Laminate.

- **VERSATILE** - Has all the features of the original Betterley Underscribe Router.
- **EFFICIENT** - Removes virtually all debris generated while cutting joint. Particularly helpful on long joints and when covering cylinders.
- **COMPLETE** - Includes 8' lightweight flexible hose that attaches to standard 1 1/2" vacuum opening.



Model # DU310

ADDITIONAL MODELS AVAILABLE

• **Complete Betterley Dustless Underscribe Router**

• **Bases only**

Standard Equipment on all models:

- Solid Carbide 1/8" diameter bit.
- 8' flexible vacuum hose.

- Adjusting Wrenches.
- Instruction Manual.

Model #DU7310



Model #DU10E



Model #DUB310



Model #DUB7310

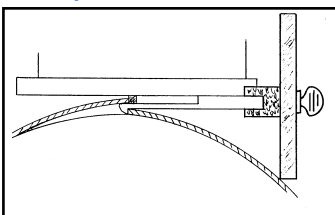


Model #DUB10E



• Accessories Available

Betterley Drum Attachment



Allows you to cut joints on a cylindrical surface.
Model #DA100

Replacement Bit



Model # SC125

Betterley Dustless Underscribe Attachment



Model #D100

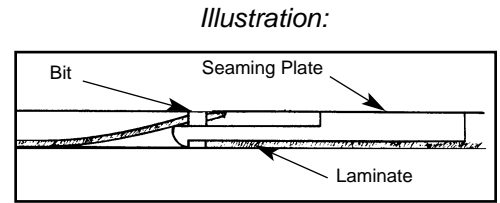
- Retrofit your Betterley Underscribe to a Dustless Underscribe Router.
- Fits all Betterley Underscribe Routers with electric motors.

Betterley SEAMING ROUTER

- **QUICKLY** cuts perfect joints in large sheets of laminate
- **CUTS** both pieces of laminate at the same time for a perfect seam.
- **IDEAL** when laminates come together at a miter - no difficult placement of a jig.
- **JOINT** can be cut in place-no need to remove laminate from position to cut.



Model #S310



Place one sheet down and fasten vise grip firmly. Then align other sheet, lapping over from 1/8" to 7/8". One sheet may be glued down, but top sheet must move 1/8". Clamps can be used, but plastic coated vise grips are much faster. On a joint over 25", place vise grips on all four corners. Edge of bottom sheet must be reasonably straight.

ADDITIONAL MODELS AVAILABLE

- **Complete Betterley Seaming Router**
- **Bases only**

Standard Equipment on all models: • Solid Carbide 1/8" dia. bit • Adjusting Wrenches • Instruction Manual



Betterley LAMINATE SEAMING KITS

All Betterley Laminate Seaming Kits include the following...

- Complete Betterley Underscribe Router assembled and ready to use.
- Interchangeable Betterley Seaming Router Base completely assembled.
- Extra 1/8" dia. carbide router bit.
- Adjusting wrenches and instructions.

Model#CG9R



Betterley Coated Vise Grips

- Allow you to quickly clamp laminates without scratching or marking.



Model#SK310

Model#SK7310

Model#SK10E

Model#SK1954

Yes, you can trim laminates without filing!

NO-FILE bits are designed to bevel trim the edge of the laminate and slightly radius the top edge for a smooth finished edge.

What makes the Betterley FILE-RITE Trimmer different?

Complete adjustability. By providing a very fine adjustment of the horizontal guide, you can obtain flush edge cuts and control how much radius you cut on the top of the laminate - **No matter what grade of laminate you are cutting!**

Does not use any high speed bearings to guide a bit - eliminating glue buildup, frozen bearings, and damage or marking of the laminate.

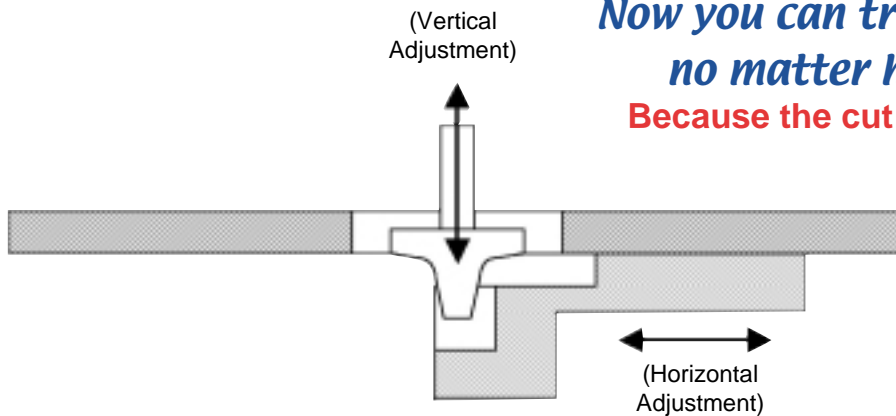
Will not over cut - the solid guide system will not allow over cutting or marking of the laminate, even if the trimmer is tipped.



Model #FR310

Now you can trim laminates without filing, no matter how thick the laminate is!

Because the cut is independently adjustable both horizontally and vertically, you control how much radius is cut on the top of the laminate.



Replacement Bit



Model #FR375

ADDITIONAL MODELS AVAILABLE

- Complete Betterley FILE-RITE Trimmers - Bases only

Model #FR7310



Model #FR10E



Model #FR1954



Model #FRB310



Model #FRB7310



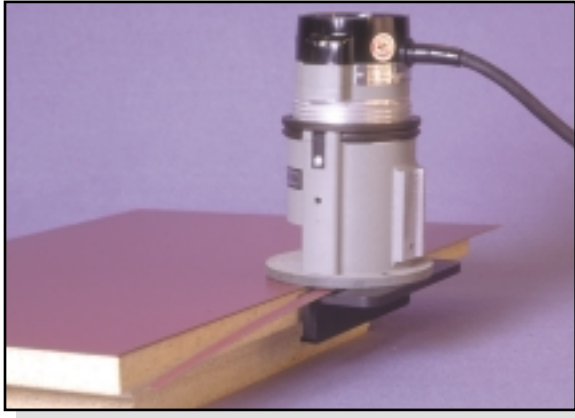
Model #FRB10E



Model #FRB1954



Betterley STRAIGHT-LINE TRIMMER



Model #SL310

- **Produces** flush cuts with straight or bevel bit.
- **Fine** adjustment provides precise control of cut.
- **Aluminum** guide plate is hard-coated for durability and to prevent marking of laminate as is experienced with self-piloted bits.
- **Won't** follow small irregularities in substrate.
- **Uses** inexpensive bits, self-piloted or ball bearing guided bits are not required.
- **Comes** set up, ready for use with a solid carbide straight cutting bit.

ADDITIONAL MODELS AVAILABLE

- **Complete Betterley Straight-Line Trimmers**
- **Bases only**

Standard Equipment on all models: • Solid Carbide 3/16" dia. bit • Adjusting Wrenches • Instruction Manual

Model #SL7310



Model #SL10E



Model #SL1954



Model #GB310



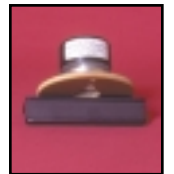
Model #GB7310



Model #GB10E



Model #GB1954



Straight Bit



Model #SC187

Bevel Bit



Model #BC187-10

ACCESSORIES AVAILABLE...

Betterley INLAY ROUTERS

Betterley Inlay Guides



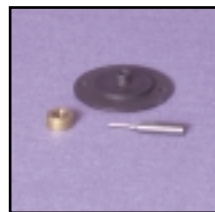
Model #IS100

Standard Equipment:

- Solid Carbide exact 1/8" dia. bit
- Instruction manual
- Porter Cable router



For Porter Cable Routers
(Will also fit B&D)



For Bosch Routers
(Inlay guides are available for many models of Bosch routers)

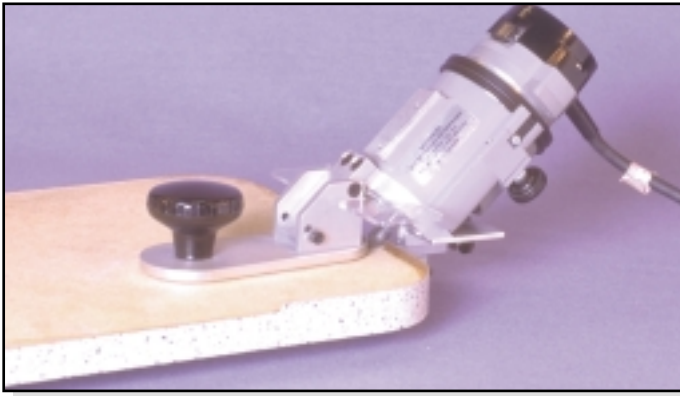
Replacement Bit



Model # EX125

INSTRUCTIONS FOR CUTTING INLAYS

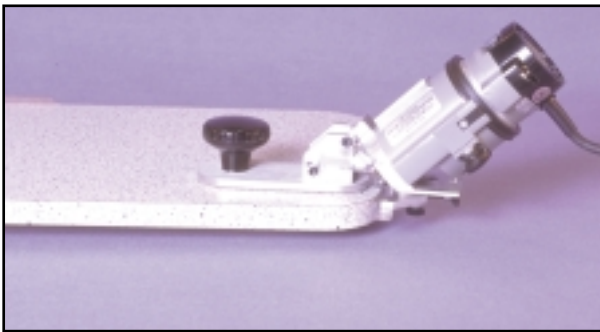
- #1. You can make the templet any shape you wish (1/4" hardboard is ideal for templet material) as long as you have nothing less than a 9/32" radius (9/16" dia.) in it.
- #2. Place templet over sheet of laminate or countertop you wish to inlay into. Then clamp templet down. Using a router with a guide on it, (with brass bushing on), run the router around the inside of the templet. Pull piece out and discard.
- #3. Using the same templet, place over sheet of laminate you wish to inlay into countertop. With brass bushing removed, run the router around the inside of the templet.
- #4. Using the cut out piece from Step #3, insert it into the cut piece from Step #2.



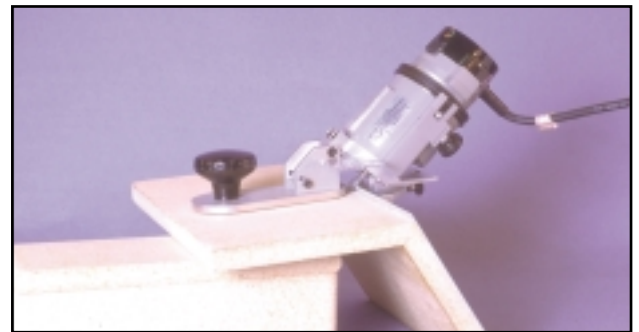
Model #120

**Trims laminate perfectly flush
No need to sand or file after trimming!**

- **Extremely** accurate cuts are obtained by using entire base to gauge depth of cut - not using just a bearing pilot.
- **Trims** straight edges, circular tops, outside and inside corners and radius.
- **Will** not follow defects in substrate.
- **Superior** cut leaves no ridges or chatter marks.
- **Will** not damage melamine surface.



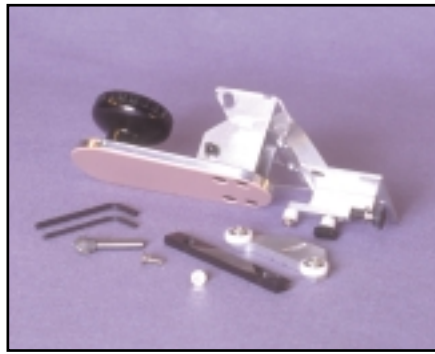
- Adjustable base angle cuts up to 10° bevel with the same bit.



- Cuts flush regardless of the edge angle (i.e. 90° or 45° edges, hexagon forms etc.)



Model #120



Model #121

Standard Equipment:

- Complete unit mounted on a model 310 Porter Cable router.
- Single roller guide.
- Double roller guide.
- Straight guide.
- Two flute carbide tipped bit.
- Adjusting wrenches and instructions.

Standard Equipment:

- Everything listed for the model 120 except the router.
- Mounts directly to your model 310 Porter Cable router.

Replacement Bit



Model # VC500

PNEUMATIC TRIM ROUTER



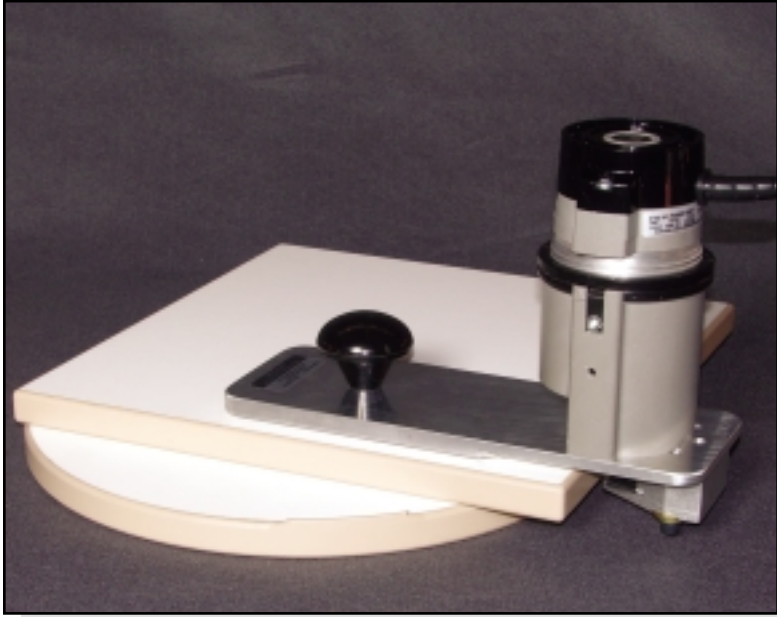
Model #TR1954

Betterley Designed Base Features...

- **Fine** Depth adjustment with positive lock requires no tools to adjust.
- **No** disassembly to change bits.
- **Durable** phenolic sub-base.
- **Optional** roller guide attachment.
- **Powerful** Sioux Motor.
- **Cool** running - safe around flammables.

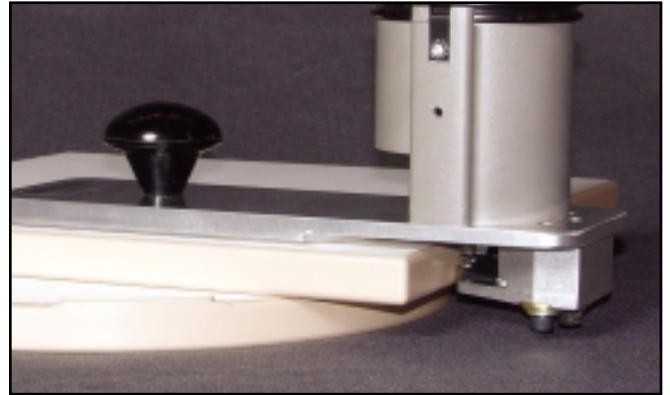
Betterley PVC TRIM ROUTER

Trim 3mm PVC edging flush with the surface of any shape panel and radius the PVC IN ONE PASS!



Model #3310

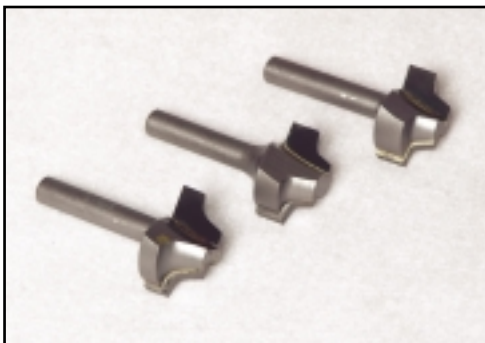
- **Unique** cutting bit specifically designed for this tool enables you to trim and radius edging without steps or gouging.
- **Easily** adjustable guide bearing permits consistent cuts on straight or curved edges, inside or outside radius.
- **Ideal for trimming irregular shaped panels.**



- **Guide** bearing is not connected to bit - will not damage PVC edging.
- **Rigid** aluminum construction for accuracy and dependability.
- **Wiper** brush keeps debris clear of guide bearing for smooth, consistent cuts.
- **Easy** operation does not require special skills or training.

If you trim any 3mm PVC edging by hand, this tool will save you time and produce superior products.

Replacement Bits



- Model # ROA-3 (for 3 mm PVC)
- Model # ROA-2 (for 2 mm PVC)
- Model # ROA-1 (for 1 mm PVC)



Model #3310

Standard Equipment:

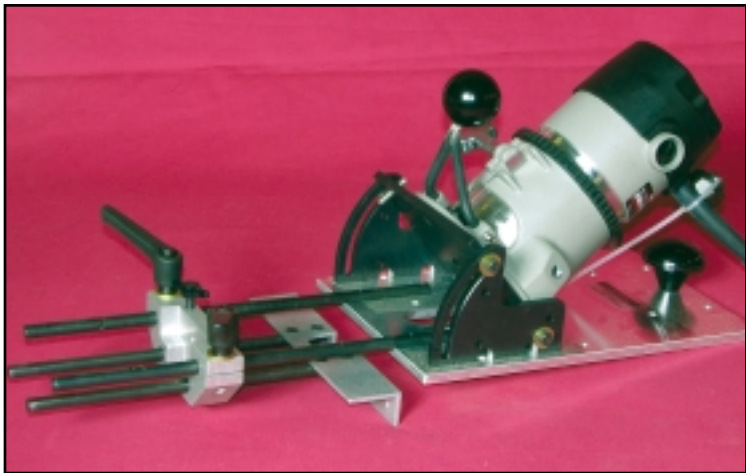
- Complete unit mounted on a model 310 Porter Cable router.
- Adjusting wrenches and instructions.
- Carbide bit for 3mm PVC.



Model #TB7519

with Porter Cable® 3 1/4hp #7519 router

- **Adjustable** angle base from 0° to 45°
- **Precision** machined aluminum.
- **Optional** edge guide available. (Model #EGT10)
- **Cuts** material up to 2" thick.
- **Optional** 12" edge guide extensions can be added for unlimited guide to bit distance. (Model #EGE12)



Model #TB690

with Porter Cable® 1 3/4hp #690 router

- **Shown** with optional edge guide

Model #EGT10

Edge Guide



Betterley VACUUM TABLE

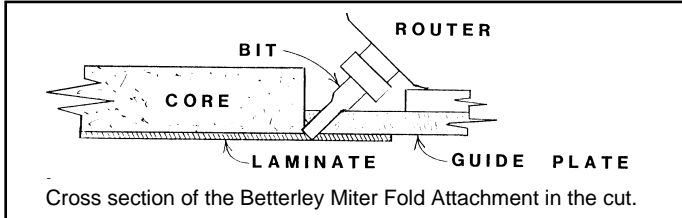


Model #700

- **Your** choice of electric or pneumatic vacuum pumps.
- **Machined** aluminum plate has a "checkerboard" pattern to accept the gasket - simply move gasket to hold different size or shape.
- **Vacuum** Plate is 14 5/8" square and 1/2" thick.
- **Sturdy** steel stand provides a rigid work surface.
- **Complete** Units include on-off switch.
- **Vacuum** pumps and plates are available as component parts for mounting in your table.

• Also available, Model #710 Betterley Vacuum Table with Pneumatic Pump.

- **ATTRACTIVE**- Eliminates unsightly dark phenolic lines associated with self-edging.
- **FAST**- Saves time over self-edging.
- **ECONOMICAL**- One inexpensive bit miters all grades of plastic laminate and Mettite Mica.
- **IDEAL**- for laminates with a pattern. Pattern will match perfectly from face to edge of panel.



OPERATION

- STEP 1** - Laminate the face of the panel leaving enough material extending beyond all four sides to cover the edges.
- STEP 2** - Place tape on the face of the laminate opposite the edge of the core. The tape will hold the laminate in place after the cut has been made and act as a hinge to allow you to fold the edge up in perfect alignment with the face.
- STEP 3** - Place the panel upside down on a flat surface. Run the router around all four sides with the guide plate on the back of the laminate and against the edge of the core.
- STEP 4** - Remove the corners of the laminate (miter cuts will already be made), apply adhesive and fold the edges up.
- STEP 5** - Trim excess laminate flush with the back of the panel.



MODEL #3195

Standard Equipment:

- Solid Carbide 1/8" dia. bit
- Adjusting wrenches
- Instruction manual
- Porter Cable 319 router



Model #MB319

Betterley Miter Fold Base

Includes....

- Completely Assembled Base Unit
- 1/8" carbide bit.
- Fits Porter Cable 310 router. (3102 motor)
- Adjusting wrench and 1/8" hex key.
- Assembly and operation instructions.



Model #3150

Betterley Miter Fold Attachment

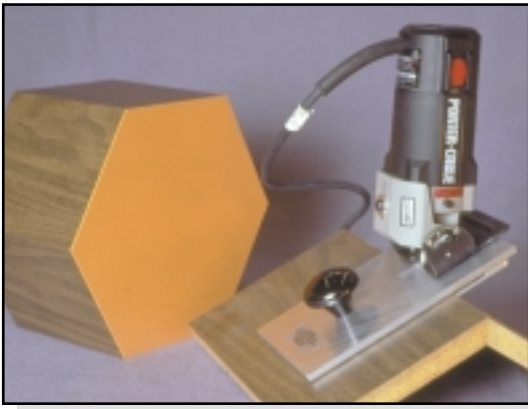
Includes....

- Mounting plate.
- Guide plate.
- All hardware required to mount to your Porter Cable model 319 router.
- 1/8" Dia. solid carbide bit.
- Adjusting wrench and 1/8" hex key.
- Assembly and operation instructions.

Betterley Drop Edge Miter Machine

The Betterley #650 Drop Edge Miter Machine is engineered to miter solid panels up to 1" thick. Ideally suited for laminated, melamine, and veneer panels the two-router system easily handles particleboard, MDF, or veneer cores. With the capacity to cut up to 6" from the edge of the panel, the #650 makes quick work of production runs of most any straight edge application such as shelving and windowsills. With true production capacity in mind, the #650 is designed to utilize a four-wheel power feed and is easily incorporated into large worktables, facilitating support of large panels to meet your specific applications.





MODEL #175

Standard Equipment:

- Solid Carbide 1/8" dia. bit
- Adjusting wrenches
- Instruction manual
- Porter Cable #7319 router

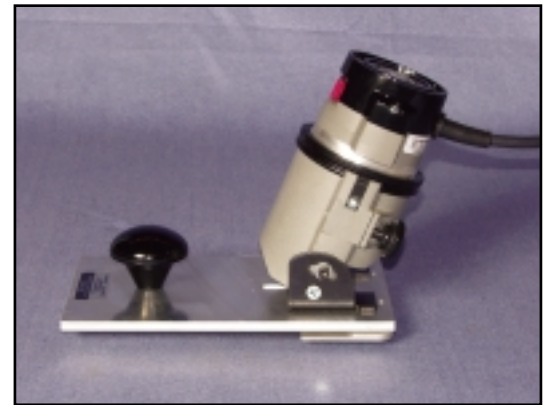
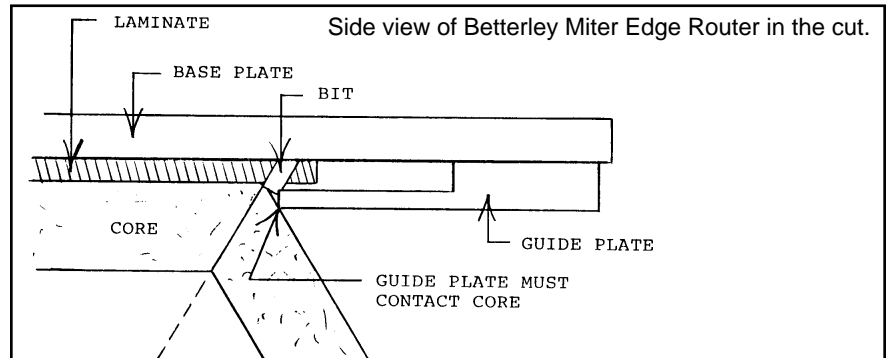
Replacement Bits



Model # SC125-2 (for #175)

Model # SC125 (for #176)

- **Eliminates** dark phenolic lines on odd angles.
- **Ideal** for odd angle case goods (i.e. hexagon and octagon shapes).
- **Adjustable** for any outside corner 90° or larger.
- **Miters** laminate after core is assembled indexing off core for perfectly sized panels.



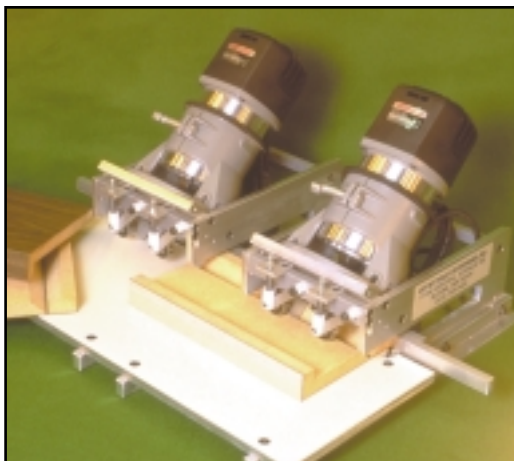
MODEL #176

Standard Equipment:

- Solid Carbide 1/8" dia. bit
- Adjusting wrenches
- Instruction manual
- Porter Cable #319 router

Betterley DROP EDGE MITER MACHINE

Miter Laminate and Core Material in One Pass



Model # 650

Standard Equipment:

- Two Porter Cable 3 1/4 hp routers
- 1 1/4" dia. carbide bits. (Note: 1 1/2" dia. available for 1" material.)
- Dust Shroud with 4" outlet



Replacement Bits

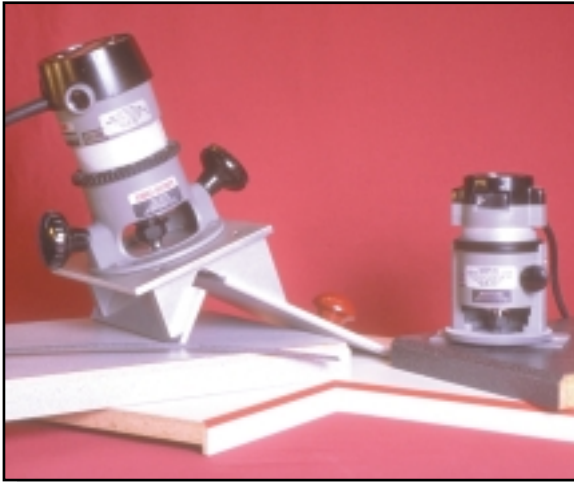
1 1/4" Dia.

Model # SC1250 (for material up to 13/16" thick)

1 1/2" Dia.

Model # SC1500 (for material up to 1" thick)

- **MITER MATERIALS UP TO 1" THICK.**
- **ROUGH AND FINISH CUT IN ONE PASS.**
- **PRODUCES HIGH QUALITY PRODUCTS WITHOUT UNSIGHTLY DARK PHENOLIC LINES.**
- **IDEAL FOR PLASTIC LAMINATE OR WOOD VENEER PRODUCTS.**
- **GREAT FOR COUNTER TOPS, DESK TOPS, SHELVING, ETC.**
- **RIGID ALUMINUM CONSTRUCTION.**
- **COMPLETE WITH TWO PORTER CABLE 3 1/4 HP PRODUCTION DUTY ROUTER MOTORS AND BITS. (AVAILABLE 120V OR 240V)**

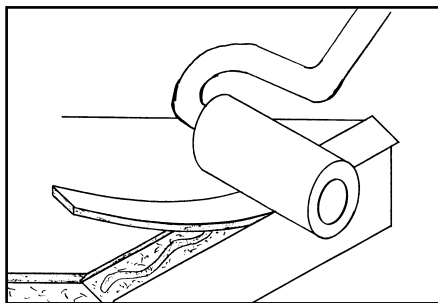
**MODEL #165****Standard Equipment:**

- Two Porter Cable Routers
- Carbide Bits
- Adjusting Wrenches
- Instruction Manual

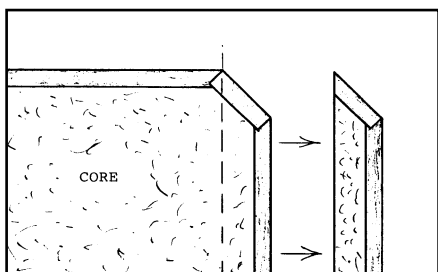
**MODEL #170****Standard Equipment:**

- Two Bosch Routers
- Carbide Bits
- Adjusting Wrenches
- Instruction Manual

- **Make your own beveled edges with any color combination of plastic laminates or wood veneer.**
- **Ideal for countertops, store fixtures, door fronts, etc.**
- **Rigid aluminum construction.**
- **Fine adjustments ensure precise cuts and excellent results.**
- **Can be used to repair damaged edges.**
- **One router cuts a groove into the corner, the other cuts a strip to inlay.**

**FEATURES:**

This system is a two router system for cutting a 45 degree bevel/mortise into a counter top and then cutting a feature strip to fill the mortise. The feature strip can be of the same laminate as the top, a contrasting laminate, a wood veneer, etc. The small router has fine tuning adjustments so the feature strip fits tightly in the groove. The larger router comes set up with a 3/8" carbide bit for doing the 3/8" bevel. Once the bevel is cut and the strip is cut, glue is applied in the groove and the strip is inserted into the groove completing the job. There is no surface trimming to be done after the feature strip is inserted.



Inside Corners can also be made by making a molding and mitering it into the corner.

3/8" Bevel Edge Router Replacement Bit



Model # DS375

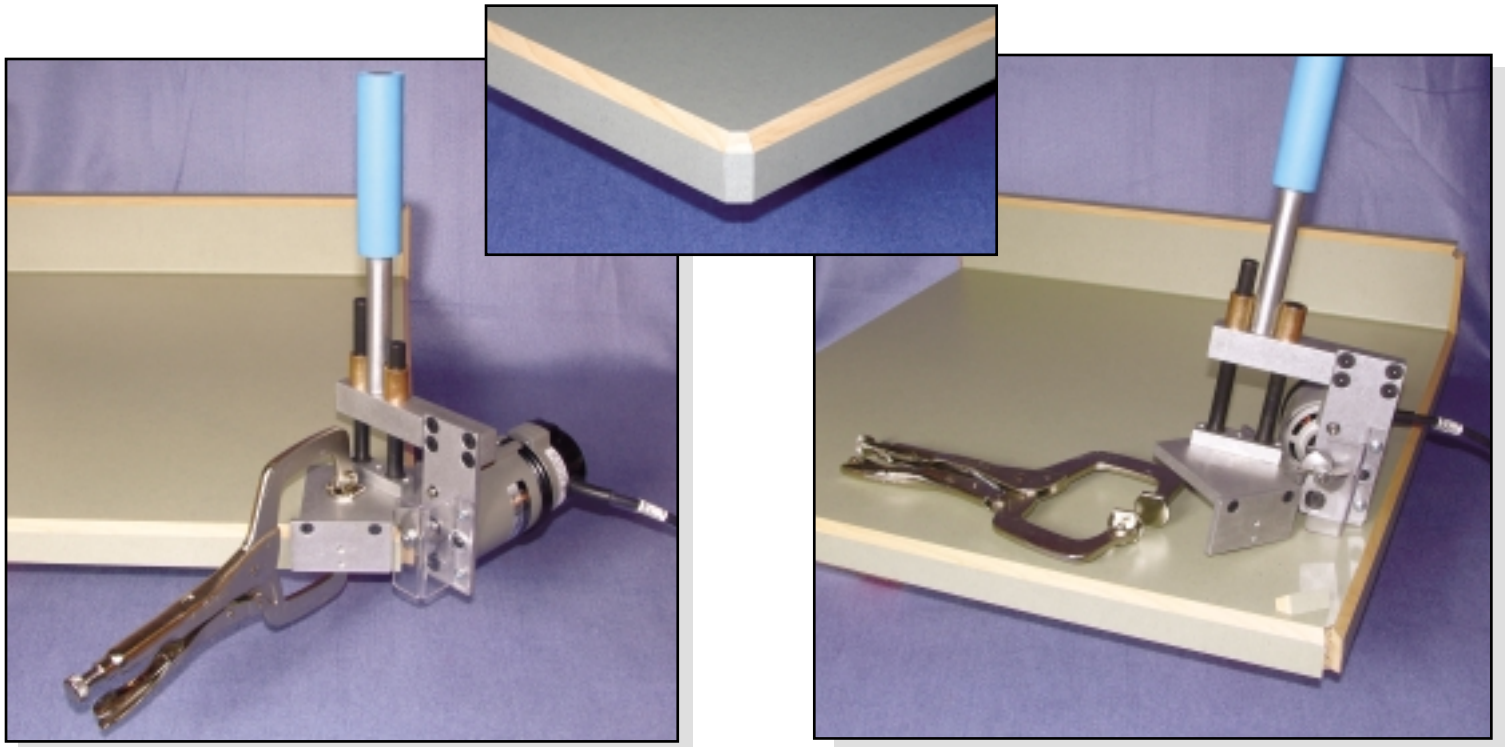
Bevel Edge Strip Cutter Replacement Bit



Model # SC187

Betterley CORNER NOTCHING ROUTER

If you produce custom bevel edge tops with bevel edge molding, or use bevel edge molding as endcaps for pre-made tops, this tool will allow you to produce clipped corners after edging is applied.



Model # 355

STANDARD EQUIPMENT:

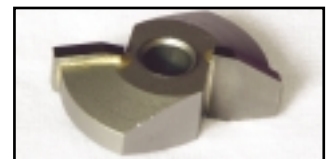
- Porter Cable® #310 router
- Carbide cutter
- Clamp for guide assembly
- Adjusting wrenches.

- **Designed** for use with 5/16" thick bevel edge molding.
- **Independent** two axis adjustment allows precise, repeatable, perfectly centered cuts.
- **Router** carriage is removable from guide assembly to facilitate easy positioning of guide.
- **Precisely** machined rigid aluminum and steel components ensure straight, accurate cuts.

OPERATION

1. Apply bevel edge molding to top, or endcap if using pre-made blanks. (Molding can be cut square at corner. It is not necessary to miter and fit molding exactly.)
2. Place guide assembly on corner of top and clamp in place.
3. Position router carriage on guide assembly and cut notch through corner of top. (Ends of molding will now be mitered precisely at 22 1/2°.)
4. Cut wedge of bevel edge molding to fit notch and glue in place.

Replacement Cutter

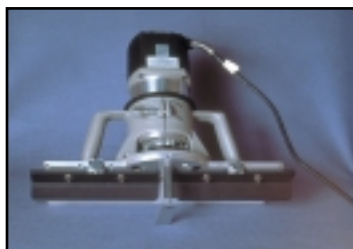


Model # CN312-22

Betterley JOINTING ROUTER



Model #600
(with 1 3/4 hp. Porter Cable motor)



Model #600-7519
(with 3 1/4 hp. Porter Cable motor)



Model #610
(with 2 hp. Bosch motor)

- **Quickly** joints edges to a smooth routed finish.
- **Ideal** for solid surfacing material, laminated panels, lumber, etc.

- **Large** surface plate provides exceptional stability.
- **Long** guide fences are offset to plane a true, straight edge.

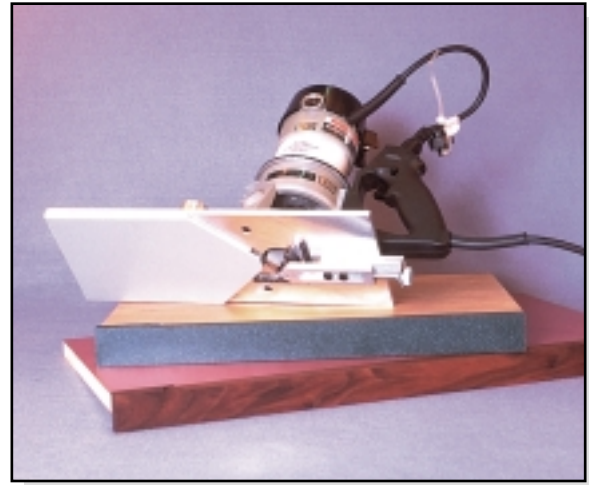
- **Rigid** aluminum construction.
- **All** models complete with carbide bit, adjusting wrenches and your choice of router.



MODEL #181

Standard Equipment:

- Bosch 2 hp router
- Carbide 1 1/2" dia. bit
- Adjusting Wrenches • Instruction Manual

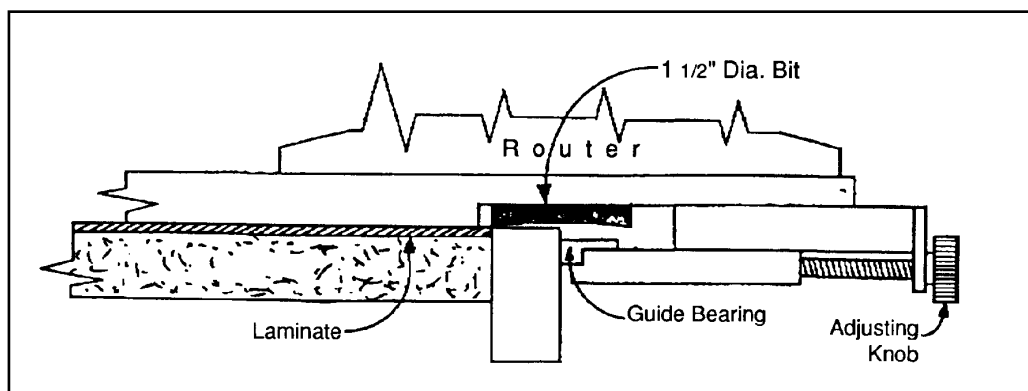


MODEL #185

Standard Equipment:

- Porter Cable 1 3/4 hp router
- Carbide 1 1/2" dia. bit
- Adjusting Wrenches • Instruction Manual

- Trim wood edges flush with a plastic laminate or wood veneer surface after edging has been applied.
- Will not tear out or splinter wood.
- Fine adjustment on ball bearing guide allows you to cut edging deeper than laminate surface without cutting into laminate - to allow for finish on wood.
- Follows straight or curved edges, inside or outside radius.
- Cuts edging up to 1 1/2" wide in a single pass, 3" wide in two passes.
- Dust extraction hook-up to prevent scratches on gloss laminates.



With the base of the Flush Trimmer on the top, and the guide bearing on the outside edge of the wood edging; cut the edging flush with the top, working from right to left. (Working from right to left eliminates any chipping or splintering of wood. It also aids the collection of dust when using a vacuum.)

Replacement Bit**Model # SCB1500 (1 1/2" Dia.)**

(Special Order routers available w/ 2" Dia. bit.)

- **Radius** any 90° outside corner in seconds.
- **Adjustable** for any radius 3/4" to 3 1/2".
- **Produces** a true radius every time that is always perpendicular to the top.
- **Great** for countertops, tables, etc.
- **Cuts** material up to 2" thick.
- **Complete** with D-handle router and carbide bit.
- **Simply** hold router on corner with one hand and pivot with the other hand.

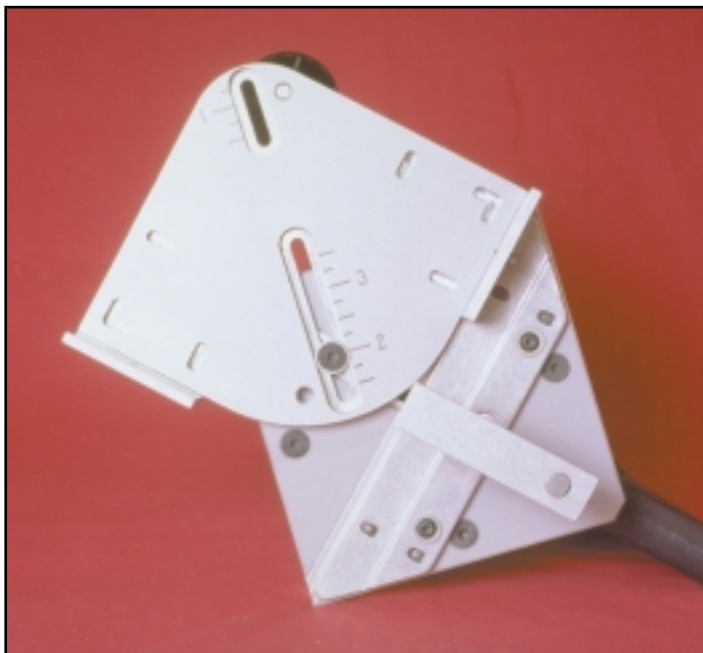


MODEL#200

Standard Equipment:

- Porter Cable 2 1/2 hp router
- Carbide 1/2" dia. bit
- Adjusting Wrenches
- Instructions

NEW EASY ADJUSTMENT



- No measuring.
- No straight edges
- No guesswork
 - With the edge of the pivoting base flat against the stop plate, slide adjustment bolt to desired radius and tighten.
 - That Fast • That Easy
- Graduated base gives instant reading of radius without measuring.

Replacement Bit



Model # SC500

**How will the Betterley TRU-CUT Blade Insert System
MAXIMIZE the PERFORMANCE of your table saw?**

Quality of Cut

- Reduces chipping or splintering of workpiece along edge of cut.

Safety

- No wide slot next to blade that narrow cut-offs can fall or bind in, causing airborne fragments, kickbacks, or damage to saw blade.
- Full support of small or narrow workpiece prevents twisting, tilting, or vertical movement that can cause kickback.
- Workpiece can't catch on rear or wide cut-out, which can cause loss of grip, kickback, and jammed fingers.

Economical

- Inexpensive, easily replaceable kerf insert is made of durable phenolic material.

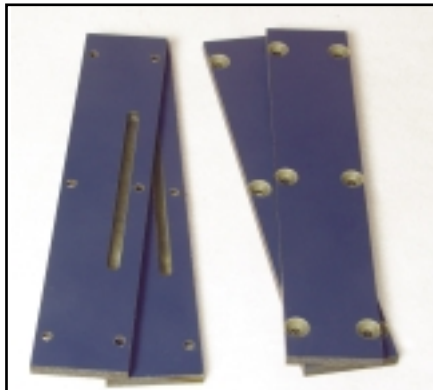
Ease of Use

- Spring loaded side plungers automatically position insert in table and eliminate vibration and movement that causes oversized kerf cut.
- Same insert used for saw blades or dado blades.

Accuracy

- Machined flat surface.
- Rigid, thick aluminum won't twist, warp or bend..
- Complete support of workpiece to the blade-particularly beneficial when cutting small or narrow pieces.
- Adjustable leveling screws allow complete leveling of both the table insert and the kerf insert.

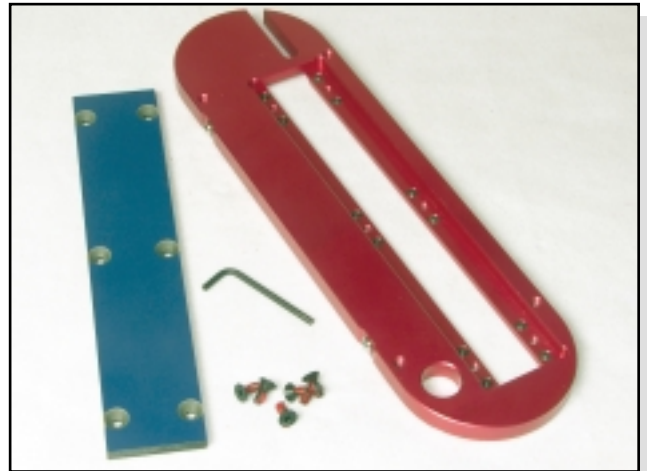
Replacement Kerf Inserts



Model #

- KI-102 Package of two Kerf Inserts
- KI-104 Package of four Kerf Inserts

Available to fit many popular table saws



Model #

Fits

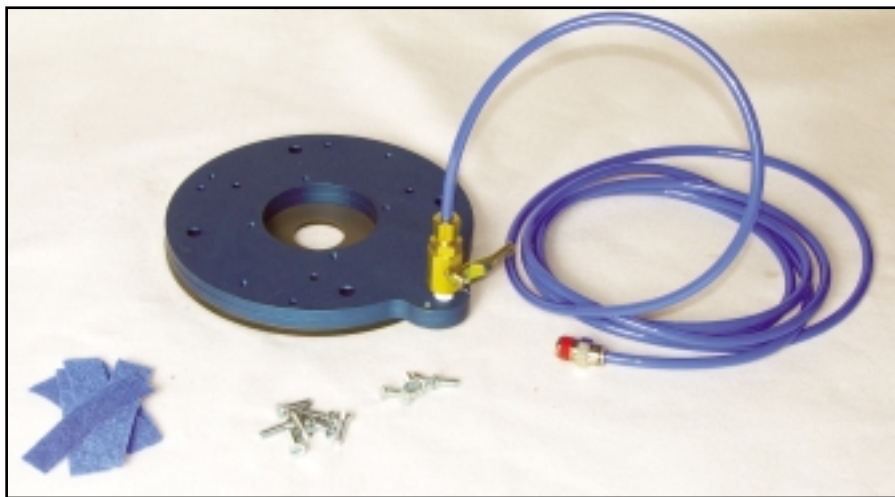
- DR-110 Delta® Right-Tilt Unisaw, Tilting Arbor Saw, Contractor's Saw.
- DL-112 Delta® Left-Tilt Unisaw, Delta Hybrid Saw.
- PL-212 Powermatic® Model 66
- JR-310 Jet® 10" Right-Tilt Cabinet Saw (XACTA Saw), Contractor's Saw, General® 50-250 & 50-175
- JL-312 Jet® 10" Left-Tilt Cabinet Saw (XACTA Saw)
- JS-314 Jet® 10" Super Saw, General® 50-260 & 50-185
- WL-412 Dewalt® DW 746
- CL-512 Craftsman®, Rigid® (3 3/4" x 14")
- GR-610 General® 350
- GR-612 General® 650



Patent Pending

" The best and last insert you will ever need."

- **Eliminate friction** - router rides on a "cushion" of air.
- **Improve accuracy of cut** - machined flat aluminum plates provide a true, flat base.
- **Durable** - strong phenolic sub-base stays flat.
- **Stable** - large 7" diameter base.
- **Versatile** - works on solid surface, laminate, wood, any flat surface.
- **Reduce scratches** - air flow prevents debris from lodging under base.
- **Improve quality of cut** - allows you to control cut with resistance of cutting bit, not friction on router base.
- **Easy installation** - mounts directly to your router without modification.
- **Complete** with standard sub-base, 10' supply hose and air valve.



Model # AG-7000

STANDARD EQUIPMENT:

- 1 3/16" hole phenolic sub-base
- Air Valve
- 10' long supply hose
- Mounting hardware

Mounts directly to the following routers:

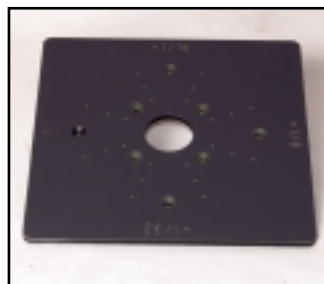
- Porter Cable™ = All with 6" and 7" diameter base
 - Bosch™ = 1617 and 1618 series, 1619EVS
 - Makita™ = RD1101, RF1101, RP1101
 - Milwaukee™ = All 56__ series
 - Dewalt™ = DW6__ series
- (May be drilled to fit other routers)

• Additional Sub-bases available •



7" Diameter Round

Model #	Inside Diameter
ARB-7258	2 5/8"
ARB-7158	1 5/8"
ARB-7136	1 3/16" (Accepts Porter Cable style templet guides.)



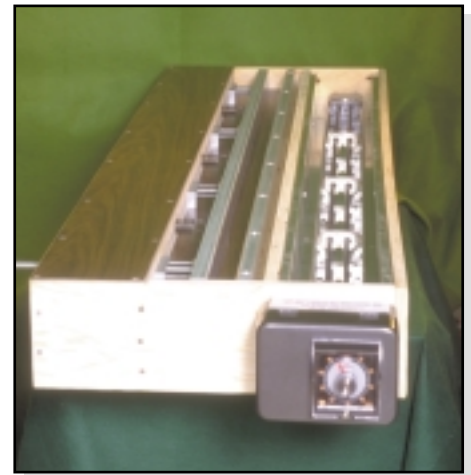
9" Square Sub-base

Model # ASB-9158
Inside Diameter 1 5/8"

The square Sub-Base is drilled to mount off center. This allows you to ride against a straight edge and simply rotate the router to remove a finish pass without moving the straight edge. It has three dimensional steps, 1/8", 1/16" and 1/32".

The new *Betterley*™ AIR-GLIDE Router Base provides you with a new level of control and feel for your router. By riding on a "cushion" of air, you can virtually eliminate all friction of the router base riding on the work surface. Routing by the resistance of the cutting bit alone gives you precise control of the cutting process, providing superior surface finish and consistency of the cut. The possibility of scratching the material surface is dramatically reduced while accuracy is increased and operator effort is decreased.

- **Heat** and form any outside radius (90° or 180°) in about 1 minute.
- **No** tools required to quickly adjust machine when changing thickness or length of material or from 90° to 180° bends.
- **Solid** aluminum clamping bars quickly dissipate heat from laminate after forming.
- **Clamping** action is controlled by turning one handle; 78" and larger models have a handle near each end for ease of operation.
- **Distance** between clamping bars is adjustable up to 3 1/2".
- **Dependable** radiant heaters are available in 240V or 208V.
- **Economical** price enables any size shop to produce postformed products.
- **Compact** design saves valuable shop space.
- **Complete** unit includes clamping system, heater and controls.



Complete Unit With Heater & Controls

Model	Heated Length	Volts	Watts	Amps	Overall Machine Dimensions Length/Width/Height
CD22*	22"	120	1200	19	34" X 22" X 6 1/2"
CD38	38"	240/208	3600	15/17	56" X 22" X 6 1/2"
CD65	65"	240/208	6000	25/29	83" X 22" X 6 1/2"
CD78	78"	240/208	7200	30/35	96" X 22" X 6 1/2"
CD106	106"	240/208	8000	34/39	124" X 22" X 6 1/2"
CD150	150"	240/208	11000	46/53	171" X 22" X 6 1/2"

- Only model CD22 does not come with heater controls.
- Specify 240V or 208V when ordering.



POSTFORMING



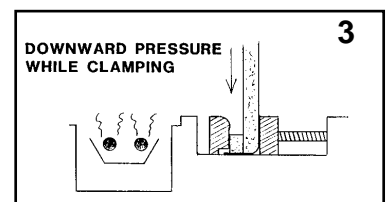
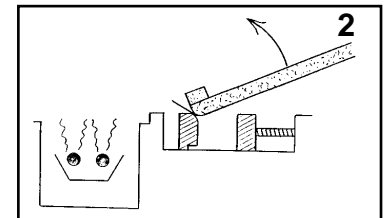
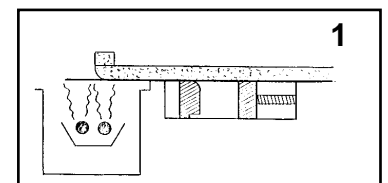
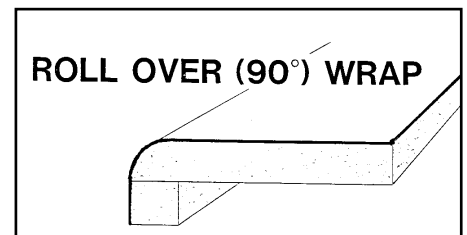
1. Shape edge of core and adhere laminate.

2. Apply a small amount of Tempilaq to the back side of the laminate where the bend will be made.



3. Place the material over the heater with the face side of the laminate down

4. When the laminate reaches 325° (Tempilaq melts, about 30 seconds), roll the laminate against the stationary bar then drop the material between the bars, slide excess laminate under the stationary bar and clamp until cool.

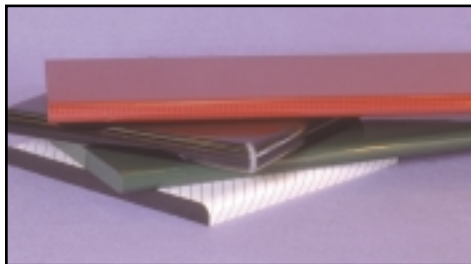




All the features of the Chain Drive Plus

- **Clamping** system is powered by pneumatic cylinders
- **Adjustable** regulator lets you preset precise clamping pressure and repeat it every time.
- **Dual** pressure clamping system on 65" and longer machines ensures uniform clamping on any length material.
- **Clamping** system is controlled by a foot treadle valve; frees both of the operators hands while forming.
- **Fast** clamping action-Particularly helpful when forming 90° bends.
- **Cooling** jets along entire length of clamp directs compressed air on laminate after forming. One switch controls jets, but each can be preset on or off to conserve air when forming shorter materials.
- **An** air filter is incorporated to ensure reliable operation and extended service of pneumatic components.

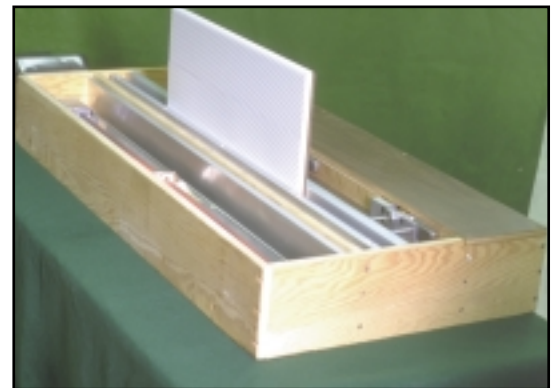
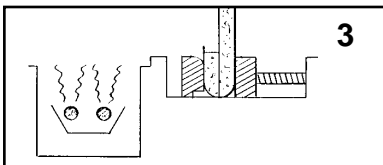
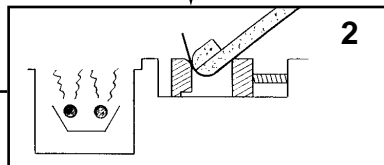
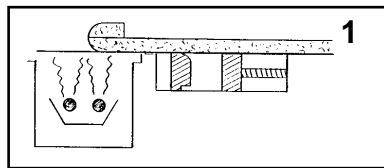
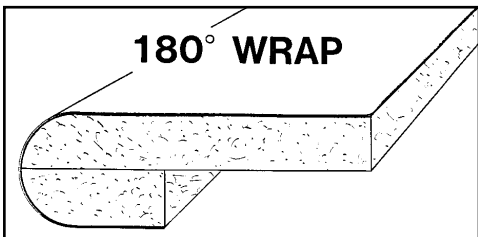
Complete Unit With Heater And Controls



Model	Heated Length	Volts	Watts	Amps	Overall Machine Dimensions Length/Width/Height
AD22*	22"	120	1200	19	36" X 23" X 6 1/2"
AD38	38"	240/208	3600	15/17	56" X 23" X 6 1/2"
AD65	65"	240/208	6000	25/29	83" X 23" X 6 1/2"
AD78	78"	240/208	7200	30/35	96" X 23" X 6 1/2"
AD106	106"	240/208	8000	34/39	124" X 23" X 6 1/2"
AD150	150"	240/208	11000	46/53	171" X 23" X 6 1/2"

*Model AD22 does not come with heater controls.
 • Specify 240V or 208V when ordering.
 Tempilaq Available: 300°, 313°, 325°, 350°, 363°.
 Also Available: Tempilaq Thinner.

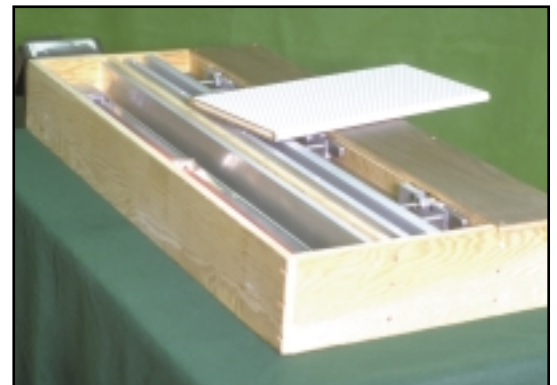
PROCEDURE



When forming 180° wraps, proceed as explained for 90° wraps on page 17 but simply slide material between clamping bars when forming in step #4.

FORMING MATERIALS WIDER THAN 3 1/2"

A large radius or geometric shape can be formed by following steps 1 thru 3 on page 15. When laminate reaches forming temperature, simply roll against a flat surface (a flat surface is provided on Betterley Post Forming equipment). After forming, using a steel roller on the laminate helps cool the laminate.



RADIANT HEATERS

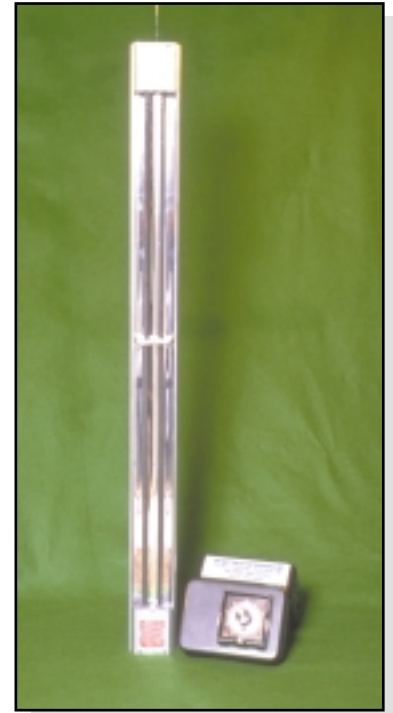
	Heated Length	Volts	Amps	Watts
RH22	22"	120	19	2200
RH38	38"	240/208	15/17	3600
RH65	65"	240/208	25/29	6000
RH78	78"	240/208	30/35	7200
RH106	106"	240/208	34/39	8000
RH150	150"	240/208	46/53	11000

PERCENTAGE TIMER -(Used for Controlling Temperature)HQ 902A6
240 Volt-(Not for use with Model RH22/120 volt Heater)

CONTACTOR (Mercury Switch) 240 Volt
2035A 240AC (For Models RH38 thru RH78)
2060A 240AC (For Models RH106 and RH150)

ENCLOSURE (For Timer & Contactor)HN364

TEFLON GLASS WIRE (No. 10 Braid Type)



Betterley **COVING BAR**



(Table not included)

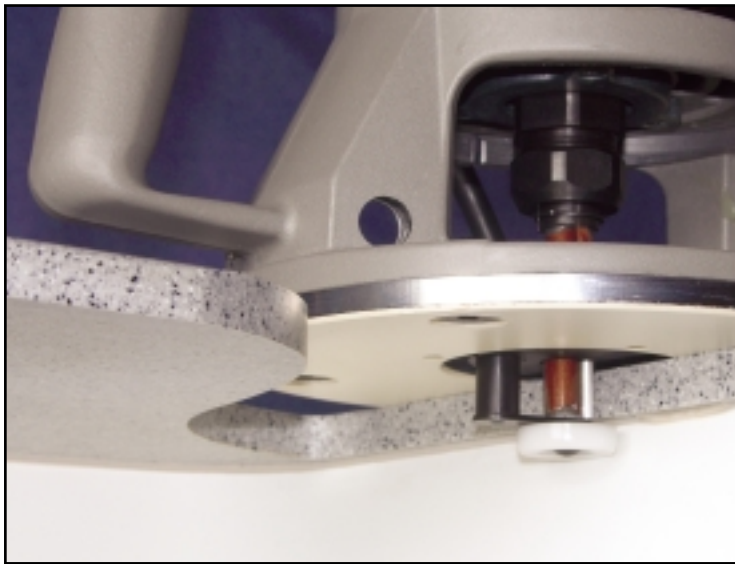
- **Custom Coving of High Pressure Plastic Laminate.**
- **Allows you to produce custom single coved tops without joints in the countertop.**
- **Your choice of radius from 1/8" to 5/8" available.**
- **Supplied with mounting brackets for simple assembly to your table.**
- **Complete with heating source and temperature control.**

Specifications:

- **Length = 150" (special order lengths available).**
 - **Power Supply = 240V. 1PH, 20 amp.**
- **Radius Available = 1/8" thru 5/8" by 1/16" increments.**

Betterley SINK HOLE CUT-OUT TOOL

The safest, fastest way to cut out solid surface countertop for undermount sinks - without the need for templets.



- **Any** size or shape sink
- **Guide** bearing is NOT connected to bit.
- **No** chance of bearing failing at high RPM and damaging sink.
- **Ideal** for sinks of any material. (i.e. solid surface material, stainless steel, cast iron, etc.)
- **Following** arm pivots on large ball bearing. No need to rotate router during cut.

SIMPLE OPERATION: Bore starting hole in countertop (approx 1 1/2" dia). Place router bit through hole then let guide bearing follow sink. (Even if you stop during cut, the guide bearing will not damage sink.)

Model # SCP7519



- Mounts directly to all Porter Cable® routers with 7" base. (All 3 1/4" hp).

Includes:

- **Guide** Base
- **1/8"** offset bearing (for rough cuts on solid surface sinks.)
- **9/32"** offset bearing (for rough cuts on sinks other than solid surface.)
- **1/4"** offset bearing (for finish cuts on sinks other than solid surface.)
- **Following** arm for 1/2" material.
- **Following** arm for 1" material.
- **1/2"** dia., 1- flute carbide bit (for rough cut)
- **1/2"** dia., 2 - flute down spiral bit (for finish cut on sinks other than solid surface)
- **Mounting** screws and wrenches.

Model # SCB1619



- Mounts directly to Bosch™ 1619EVS.

Betterley TOP JOINING TEMPLET



Model # T36-45

- **Designed for joining miter folded tops—use opposite sides to cut each top for a perfect seam.**
- **Graduated for easy alignment with counter top.**
- **Precision machined from a solid piece of 1/4" aluminum.**
- **Use with a templet guide and a straight bit that is 1/8" smaller diameter than outside diameter of templet guide.**
- **Will Cut 36" straight edge.**

- **Recommended by Swan Corp. for joining 1/4" thick Swanstone® tops.**

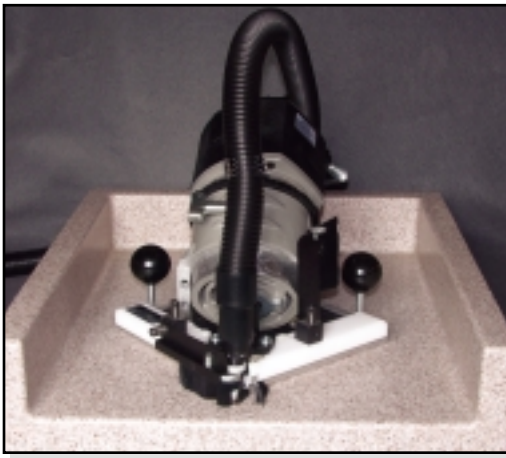




THE BETTERLEY COVING SYSTEM enables YOU, as the fabricator, to meet the demand for coved backsplashes in solid surfacing material. The appearance of a coved backsplash is much more desirable than a square corner, as well as being more sanitary. The Betterley Coving System is designed to allow you to create coves in any 90° joint in solid surfacing material (i.e. backsplashes, shower stalls, etc.). This unique design allows cuts into any 90° corner enabling you to cove vertical joints as well as horizontal joints. Precisely machined aluminum components provide accuracy and dependability.

Betterley COVING ROUTER

All Betterley Coving Routers will cut the cove and remove excess adhesive in one pass!

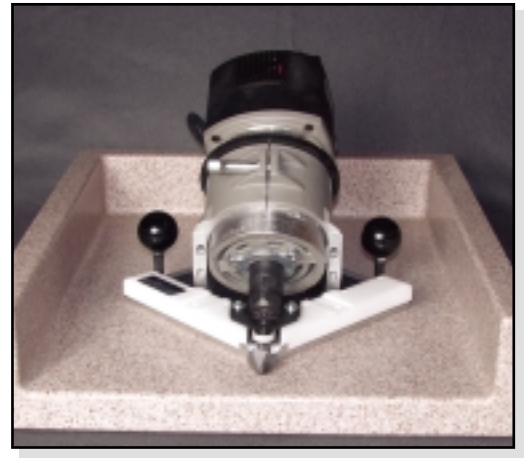


MODEL #210-D (with dust extraction)

Standard Equipment:

- 3/8" Radius carbide bit
- Interchangeable center guides for 1/4", 3/8", 1/2" radius bits
- Porter Cable 3 1/4 hp router
- Instruction manual
- Wrenches

(210-D also includes 10' hose.)



MODEL #210-A

- **Fine** adjustments for precise control of cut.
- **Rigid** aluminum construction.
- **Complete** with bit – set up to cut a 3/8" radius cove.
- **Low** drag plastic eases sliding of router and won't damage solid surface material.
- **Dependable** and powerful 3 1/4 hp. Porter Cable motor.
- **All** sealed ball bearing construction.
- **Double** insulated.



CENTER GUIDE

Matching the size of the BALL BEARING center guide to the radius of the bit...

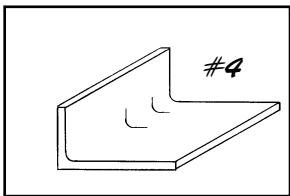
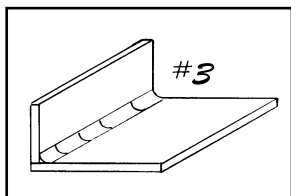
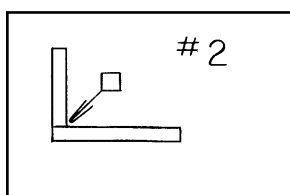
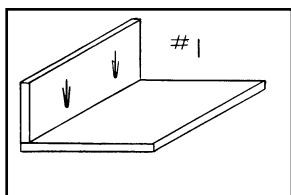
- **Prevents** gouging of the material.
- **Allows** router to be turned or rotated without removing it from the cut.
- **Enables** you to cove curved backsplashes!
- **Guides** cut on vertical joints by pivoting rather than lifting router.



EASY ADJUSTMENT

Precise dovetail way system ensures fences are always square and accurate.

- **No** tools required for adjustment
- **All** three cutting planes and center guide are independently adjusted for quick easy set-up
- **Precise** fine thread lead screws adjust fences.
- **Positive** back stop allows quick adjustment for a rough cut, then repeat to preset finish cut.



Alternate Gluing Methods

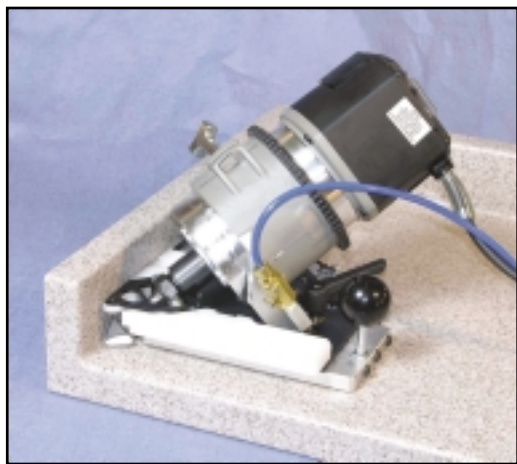


USING THE BETTERLEY COVING SYSTEM

- STEP #1** The backsplash is glued 90° to the top. (Remove excess adhesive while it is still wet).
- STEP #2** A filler piece is glued into the corner. This is easily accomplished using spring pressure cove stick clamps. (The filler piece must be at least as wide and high as the radius of the cove to be cut).
- STEP #3** Use the Betterley Coving Router to cut the cove into the filler piece. Excess adhesive and oversized filler pieces will also be removed in this operation.
- STEP #4** Use the Betterley Coving Sander to finish sand the cove.

Betterley AIR-GLIDE COVING ROUTER

Produces smoother and more accurate cuts to reduce finish sanding!



MODEL #AG210-A

- **ELIMINATE FRICTION**
Reduce operator fatigue and increase productivity.
- **REDUCE SCRATCHES**
Constant airflow prevents debris from lodging under base and scratching deck.
- **INCREASE ACCURACY**
extremely consistent cuts are obtained by eliminating accumulation of debris under base.
- **IMPROVED CONTROL**
Routing by the resistance of the bit provides exceptional control and smoother cuts.
- **NO NEED TO LUBRICATE COUNTERTOP.**



MODEL #AG210-D
(with dust extraction)



- Retrofit kit available to equip your Betterley coving router with dust extraction

MODEL #RD-200
(Fits model 210-A)



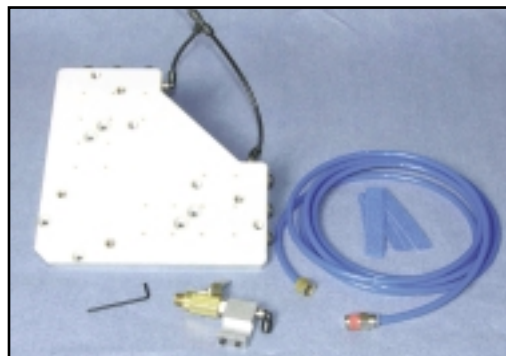
Replacement Bits

- 1/4" Model # CB1470
- 3/8" Model # CB3870
- 1/2" Model # CB1270

(Remove the excess adhesive and cut cove at the same time.)

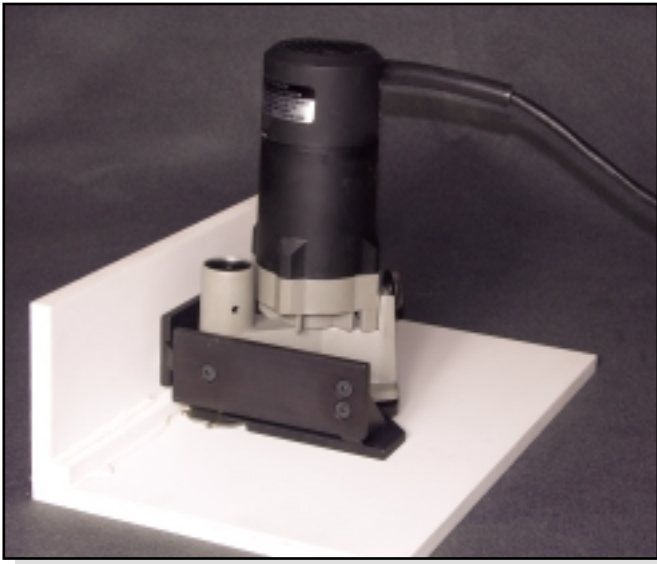
Bottom Line

The AIR-GLIDE option will decrease operator effort, increase control, and produce smoother, more accurate cuts - resulting in decreased sanding and overall coving time!



MODEL #RA-200
(Fits models 210-A & 210-D)

Complete Retrofit Kit includes everything you need to add the AIR-GLIDE base to your Coving Router.



MODEL #252

Standard Equipment:

- 2" dia. 6-wing carbide bit
- Porter Cable 5.6 amp router
- Adjusting wrenches
- Instruction manual



Replacement Bit for Surface Leveling Router

Model # SC2000-6

- **Quickly** removes excess glue from the surface of solid surfacing material.
- **Aluminum** parts are hard-coated for durability – won't mar solid surface material
- **Fine** adjustments provide excellent results.
- **Pre-set** to cut 3/8" from inside corner to match radius of cove.
- **Ideal** when gluing up for coves, deck seams, inlays, etc.
- **Will** not overheat glue line or inlays like sanding.



Can be set to cut completely into a 90° joint.

Betterley COVE STICK CLAMPS



MODEL #226

- **Simplify** the glue up for coves.
- **Attach** only to the front of material.
- **Spring** pressure provides even force.

Betterley COVING SANDER

- **Quickly** finish sands the cove smooth.
- **Easy** one hand operation – weighs less than 2 lbs.
- **"Locking"** pad mounting system for maximum sanding efficiency.
- **Uses** convenient, readily available 4 1/2" x 30' rolls of adhesive-backed sand paper.
- **Air** consumption, 4 CFM at 85 psi.



MODEL #300

Standard Equipment:

- **Coving pad**
- **Flat pad**
- **Soft, contour pad**
- **6 1/2 foot flexible air hose**



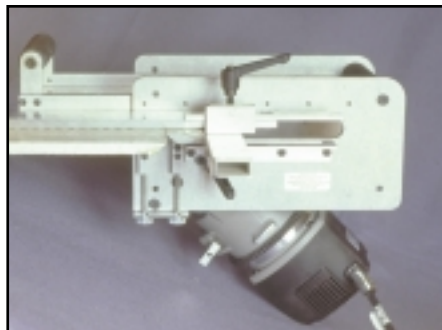


Model #275

The Betterley V-Grooving Router is designed to miter fold 1/2" thick solid surface material. Easy adjusting fence allows you to miter fold edges from 1" to 6" wide, making it the ideal tool to produce dropped edges (or aprons) up to 6" high, fold up backsplashes, drop table edges, etc. Miter folding saves time by eliminating joints with adhesive buildup on the finished surface that would have to be routed and sanded after assembly. Because the Betterley V-Grooving Router produces near perfectly mated parts, the resulting joint is nearly invisible.

Standard Equipment:

- **SAVES TIME** - Reduces Labor involved in producing built up edges.
- **IDEAL** for countertops, backsplashes, table tops, islands, etc.
- **3 1/4 hp production duty router.**
- **Adjusting Wrenches.**
- **Carbide spiral bit.**
- **Instructions.**
- **PRODUCES** quality products - tight, mitered joint is virtually invisible.
- **PERFECT** for material with a pattern - Pattern will match from top to edge.
- **EASY SET-UP** - Depth of cut does not require adjustment for variances in material thickness.
- **QUICK PAYBACK** - Produces quality products in minimal time.



OPERATION

1. Place tape on the solid surface material opposite where you will make the miter cut. The tape will hold the material together after cutting for perfect alignment as well as preventing adhesives from squeezing out on the finished surface of the material.
2. Run the Betterley V-Grooving Router across the material, making the miter cut. Multiple passes can be made to fold more than one edge. (i.e. You can make three cuts for a counter - one for the front edge, one for the backsplash, and one for the scribe stick on the backsplash.)
3. Following the manufacturer's instructions, prepare the material for gluing. Run a bead of glue in the bottom of the miter cut and fold the edge up.
4. After adhesive has cured, remove the tape. You now have a finished edge ready to rout your profile or leave as is. After folding up a backsplash, the backsplash can be covered using Betterley Cove Stick Clamps to insert the cove stick, then cutting the cove with the Betterley Coving System.

Replacement Bit



#VG-750

Solid Surface Sink Clamping System

The Professionals First Choice For Accurate Sink Clamping!



- **Unique Pivoting Clamp** The ultra solid base is used for sink positioning. Clamp head rotates to remove the sink and apply adhesive.
- **Spring-Tensioned Head** Engineered to keep the correct Constant Force on sink flange. No Over-Tightening.
- **Adjustable Machined Base** Clamp head slides easily allowing for various sized sink flanges.
- **High Density Solid Polymer Body** Solid Surface adhesives will not bond, Hot-Melt adhesives release with ease.
- **Won't Distort Deck or Sink** Unlike clamping through drain holes or applying weight. Sink-Pro is designed to apply tension only on the sink flange.
- **On-Board Release Device** Quick and easy thumbscrew replaces denatured alcohol and chisels to remove the clamp base.

Ideal for all under mount sinks including solid surface, porcelain, stainless, brass, etc...

SIMPLE OPERATION

1. Position sink on deck, then adhere clamping bases around sink with hot melt adhesive.
2. Remove sink and apply seaming adhesive, replace sink and simply lift clamping knob and pivot clamp over sink flange.
3. After adhesive has cured, turn release knob and remove clamp.



Model #GL-1200

Twelve pack of the SINK-PRO Clamps Includes 4 extension rods (10-12 clamps used for double bowls).



Extension Rods allow the clamps to be used on built-up edges!



Model #GL-600

Six pack of the SINK-PRO Clamps Includes 2 extension rods (4-6 clamps used for vanity bowls).

Works great for plug repairs and field seam reinforcement strips!

The *Betterley Sink-Pro* Simply Does It Better!

Accurate Positioning and Positive Clamping is now a One-Step Operation.

(REusable LOCating blocks)

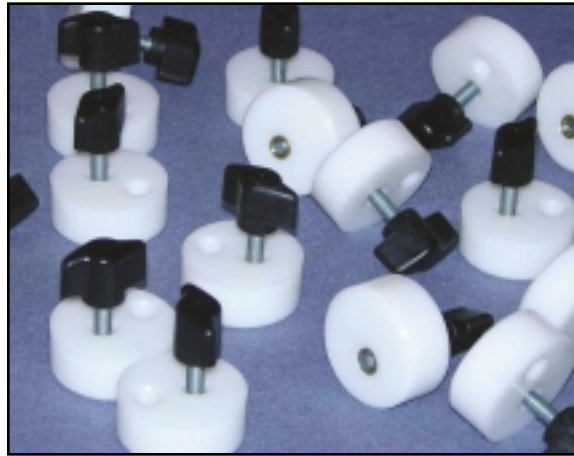
Easy to use, last indefinitely, no new process to implement, simply easier and faster.

Simply glue down with hot melt.

Round shape can locate irregular shaped pieces.

Will locate multiple pieces such as buildups in corners.

High density durable polymer body won't chip or crack.

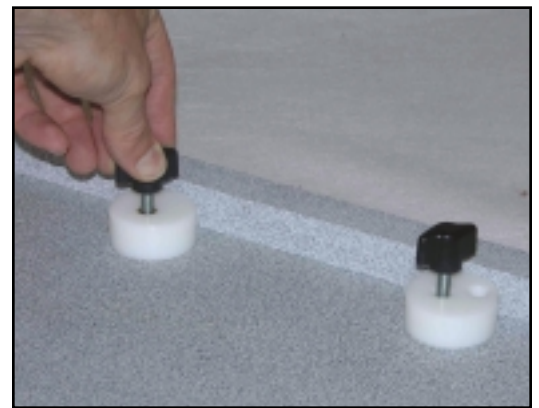


Easily removed by simply turning release knob.

Hot melt adhesive releases cleanly from polymer body.

Solid surface seaming adhesives will not adhere to RELOC Block.

Removal won't damage material.



How can such a simple tool make you money?

Like everyone else fabricating solid surface material you cut scrap wood into blocks and hot melt them to the deck for locating pieces during glue-up. They only take a minute to cut and use, their disposable, and serve the purpose, so what's the big deal? While they save time and frustration during glue-up, take a look and how much time you really spend using them.

Gathering data from several fabricators for this simple comparison, we learned that on an average residential top you actually use 30-50 locating blocks. We'll use 40 blocks for this comparison. (To keep the comparison realistic, time for the wood blocks assumed cutting readily available scrap. Removing block included accessing and returning tools, as well as cleanup and disposal.)

Time required for respective operations

<u>OPERATION</u>	1 Wood Block	40 Wood Blocks	1 Betterley RELOC Block	40 Betterley RELOC Blocks
Cutting Blocks	7 sec.	40 min. 40 sec.	0	0
Gluing Blocks	6 sec.	4 min.	6 sec.	4 min.
Removing Blocks	25 sec.	16 min. 40 sec.	5 sec.	3 min. 20 sec.
Total Time	38 sec.	25 min. 20 sec.	11 sec.	7 min. 20 sec.

Based on these findings, on an average residential top you can save 18 minutes of labor. How many tops do you fabricate in a year?

100 pack = Model #RE-1710 • 50 pack = Model #RE-1750 • 25 piece trial pack = Model #RE-1725

TWIN-TRIM ROUTER

If you work with laminates you know trimming and finishing is not a one step process. The NEW Betterley TWIN-TRIM Router trims and completely finishes the laminate in two consecutive steps - **using just one tool!**



Model #
TT10E

-FAST-

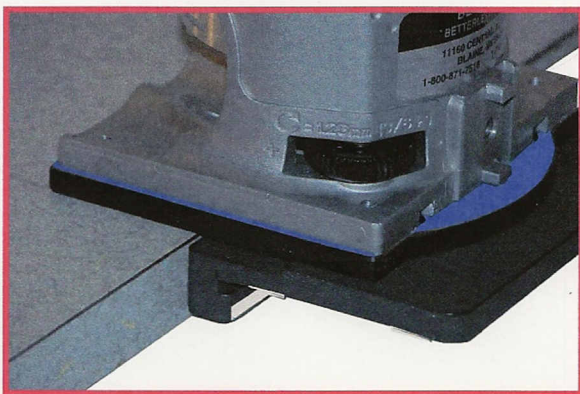
- No filing of laminate.
- No adjustments between cuts.
- One tool completes both operations.

-VERSATILE-

- Completely adjustable horizontally and vertically for any thickness of laminate with just one bit.
- No mistakes - can not over-cut laminate.
- Replaces multiple routers and hand tools.

-ACCURATE-

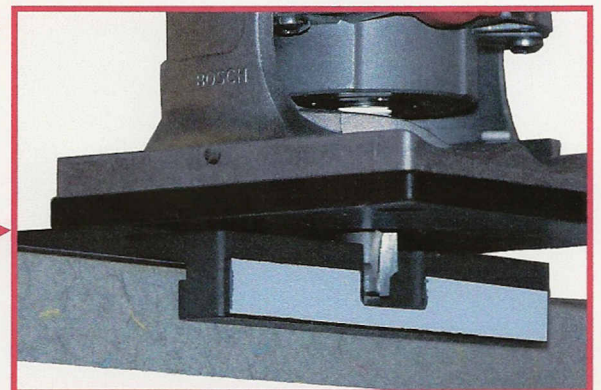
- Non-marring guide will not damage laminate.
- Straight guide produces smooth chatter free cuts.
- Fine adjustments produce exact cuts.



First pass trims within 1/16".

-Flip router -
-around-

Final pass trims →
flush and eases
top edge.



•Replacement Bit #TTB500

**"How simple
is that?"**

Betterley INDUSTRIES INC.

POWER TOOLS
www.betterleytools.com

P.O. Box 49518, Blaine, MN 55449 Phone:(763)755-3425 / (800)871-7516 Fax:(763)755-5084

Betterley Undermount Sink Installation System

Betterley Industries has developed an installation system for under mount sinks in laminate countertop installations. Designed with the versatility to accommodate many brands and styles of sinks available from acrylic to stainless steel as well as varying fabrication techniques, the system simplifies traditional methods by providing dedicated tooling working with preset dimensions for consistent results while minimizing fabrication time. Dust extraction is incorporated in all routers for a cleaner work environment, consistency, safety, and extended bit life. The system first creates an exact template of the sink with out any additional jigs or hand finishing. Once the template is secured to the core material, the dadoing routers quickly create an exact cutout indexing cut depth directly from the core to insure accurate results. The Sink Flange Trimming Router quickly prepares the sink flange height. Even the final preparation step of scraping the laminate was addressed with an ergonomic, heavy-duty scraper featuring a replaceable carbide insert, designed specifically for this application. The final results are a system providing maximum efficiency, quality, and consistency with minimal effort and fabrication time.

1st Operation

Produce Template of Sink



Model #SI110

Step #1

Use Sink Tracing Router to create an exact size & shape template for sink.



Model #SI120

Step #2

Use Template Finishing Router for final through cut on template.

2nd Operation

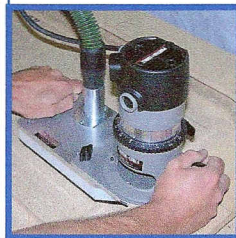
Route Channel in Countertop



Model #SI210-220

Step #1

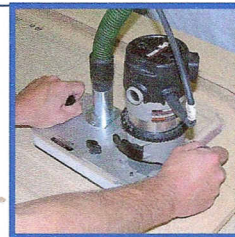
First Dado pass with wide channel router.



Model #SI210-220

Step #2

Second Dado pass with wide channel router -Final pass when using flat channel method.



Step #3

Third Dado pass with Narrow channel router -Final pass when using stepped channel method.

3rd Operation

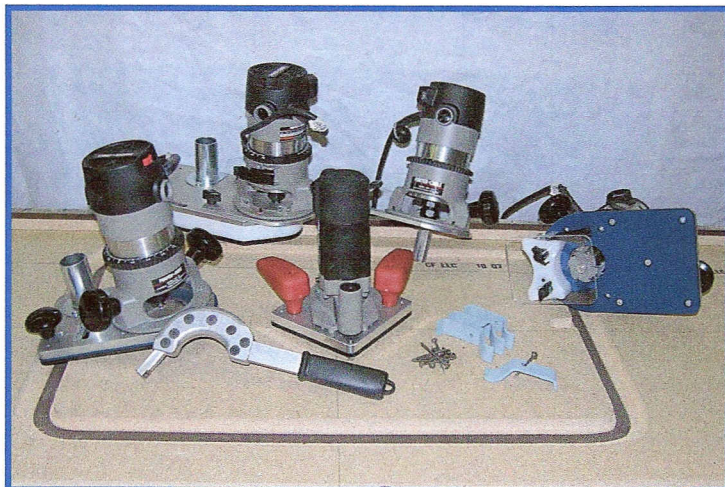
Scrape Laminate



Model #MS750

Step #1

Remove any remaining adhesive or core form laminate with Laminate Scraper.



MODEL #DSC500 Complete System with all 5 Routers.

Available Kits

Model #DSC500 (Includes) Sink Tracing Router, Sink Clamping Bars, Template Finishing Router, Dado Base, Wide Channel Router, Narrow Channel Router, MS750 Scraper, Sink Flange Trimming Router.

Model #DSC300 (Includes) Sink Tracing Router, Sink Clamping Bars, Dado Base, Wide Channel Router, Narrow Channel Router, MS750 Scraper.

4th Operation

Trim Sink Flange



Model #310

Step #1

Precut sink flange to final height with Sink Flange Trimming Router.

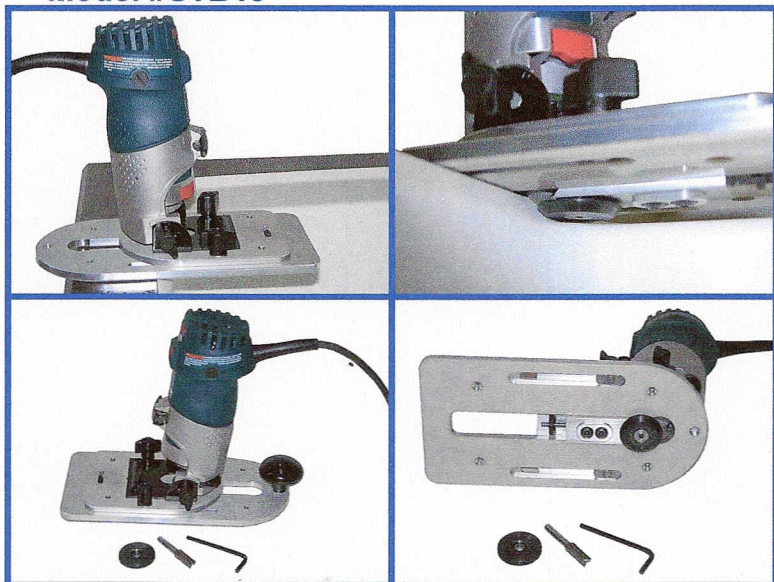
Are you installing Wilsonart® HD Sinks?

Then you need the *Betterley* **Undermount Sink Trimmer**

The NEW Betterley Undermount Sink Trimmer will accurately finish trim laminate without fear of over cutting or high speed bearings damaging the sink

Including Wilsonart® HD Sinks!

Model #STB10



-ECONOMICAL-

- **Uses** inexpensive re-sharpenable bits.
- **Complete** with 45° bit (HD Sinks), straight bit (low angle sinks), bearings, and Bosch motor.

-ACCURATE-

- **Adjustable** angle base allows cuts to blend laminate to sink - greatly reducing finish sanding.
- **Fine** adjustments produce exact cuts.
- **Non-marring** guide bearing is independent of bit for smooth precise cuts.
- **Large** guide bearing allows rough and finish passes by simple orientation of router – without adjustments.

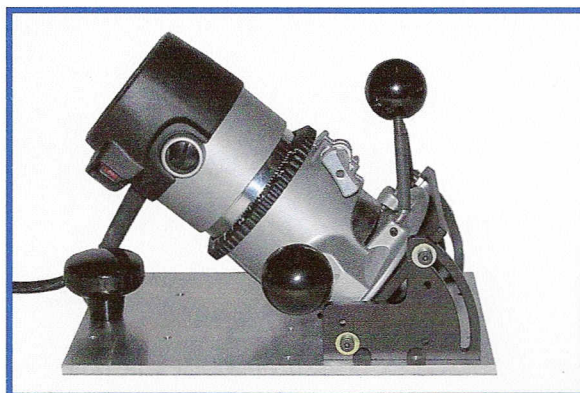
-VERSATILE-

- **Designed** for use with Wilsonart™ HD sinks with 45° flange or low angle sinks.
- **Sliding** base provides maximum support and allows trimming sinks within 1½" from backsplash.
- **Replaces** multiple routers and hand tools.
- **Low** speed bearing is safe for all sinks – acrylic or stainless steel.

Installing HD sinks in solid surface tops?

The Betterley 1-3/4 hp Tilt-base Router will trim the top with a standard ball bearing guided flush trim bit.

- **Adjustable** angle base tilts to 50° to blend solid surface and sink - greatly reducing finish sanding.
- **Large** stable base provides easy operation and accurate cuts.
- **Complete** with 1-3/4 hp Porter Cable motor.



Model #TB690

Betterley INDUSTRIES INC.

POWER TOOLS

www.betterleytools.com

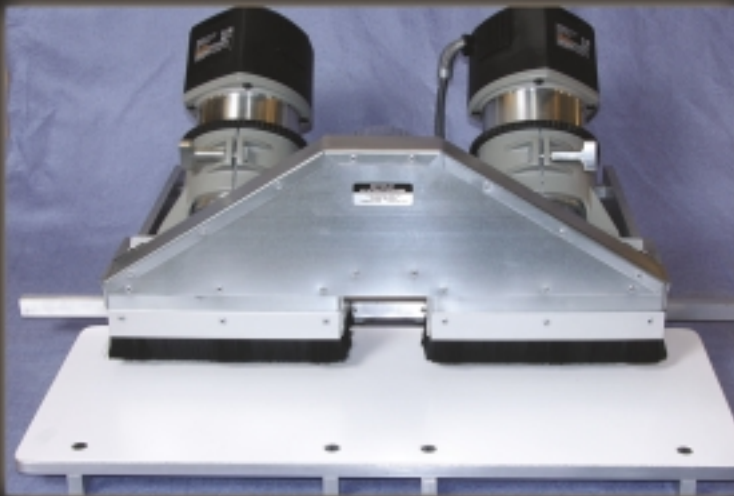
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