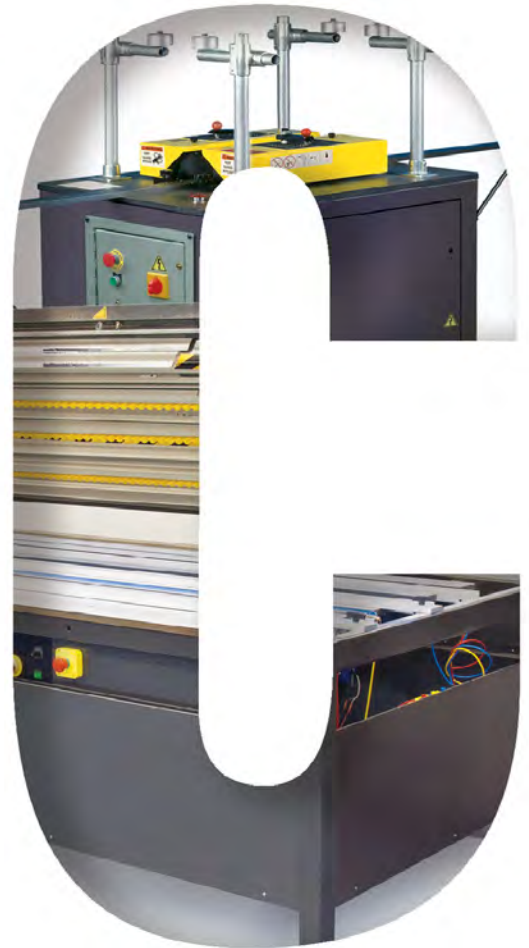
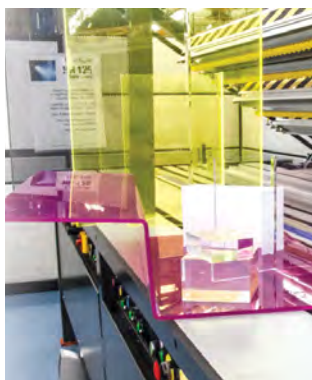


# Professional Plastic Polishing and Bending Equipment



**Edge Finisher Company** manufactures Diamond Edge Polishing Machines in our Bethel, CT USA factory.

We also sell and service a full line of Shannon Plastic Benders manufactured in the Netherlands.



## **Edge Finisher Company**

Division of Blackstone Industries, LLC  
16 Stony Hill Rd, Bethel, CT 06801 USA

Telephone 203-792-8622  
800-272-2885

Fax 203-730-4524

Email  
info.efc@blackstoneind.com

**[www.edgefinisher.com](http://www.edgefinisher.com)**

# EFC's Diamond Edge Polishers remove saw marks and produce a clear, polished edge on acrylic parts — all in a single pass through the machine.

## EF-200 Diamond Edge Polisher

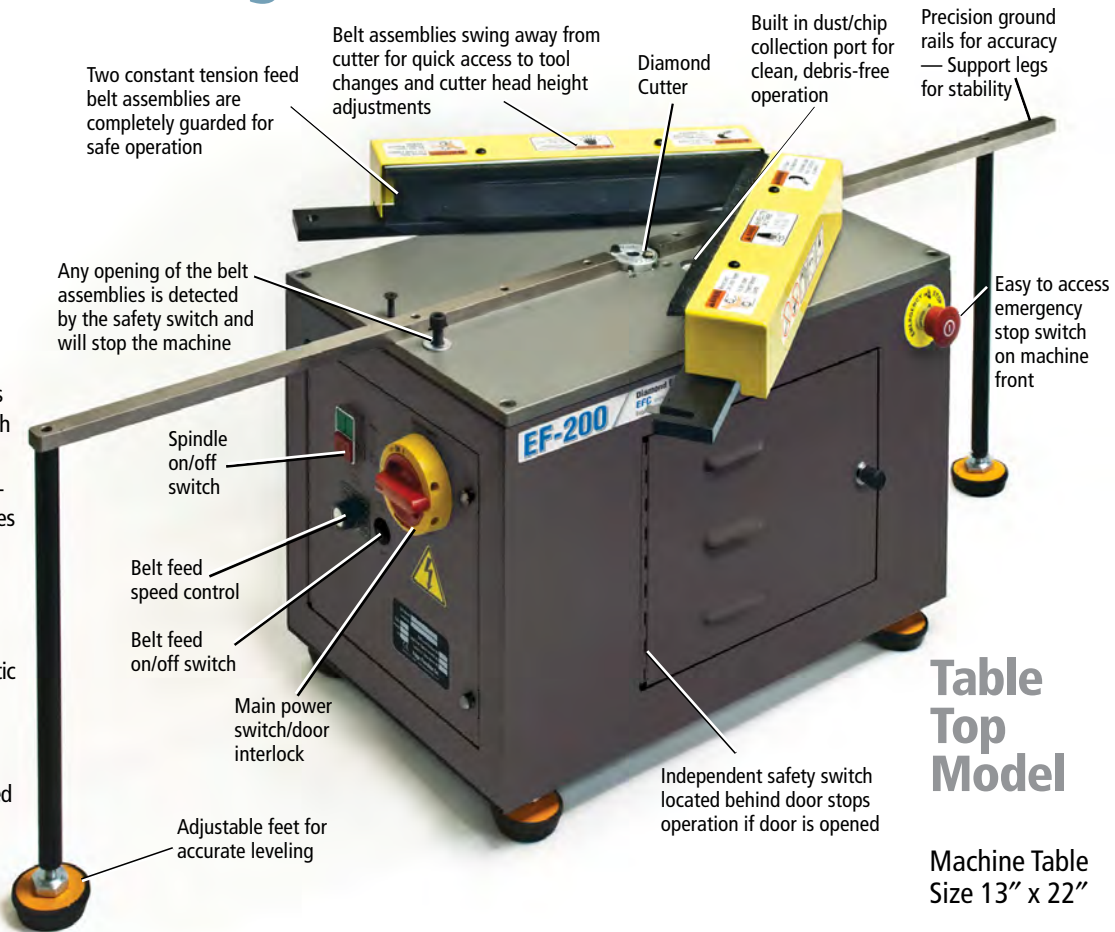
**EF-200 is the most cost effective table top Diamond Edge Polisher to own and operate.**

Single or multiple workpieces are fed by two constant tension precision gear driven belt assemblies across a special diamond cutter mounted on a high speed, precise 18,000 RPM spindle.

Feed rate is infinitely variable from 0 –10' per minute via a DC speed control. The feed belt assemblies can swing out to permit easy access to the cutter and are completely protected by safety guards.

With the optional carbide cutter, either of EFC's Diamond Edge Polishers can create frosted finishes on saw-cut plastic or can be used on plastic with a laminated aluminum backing.

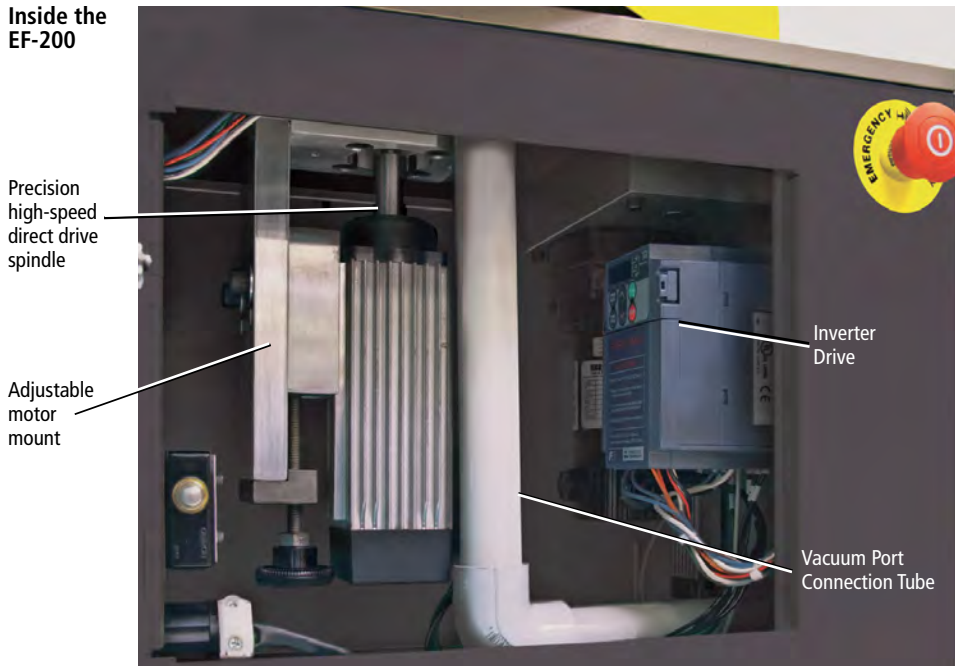
Each machine comes with tools for setup and adjustment, including a depth indicator and base for setting cutter height, and an illustrated, detailed instruction manual.



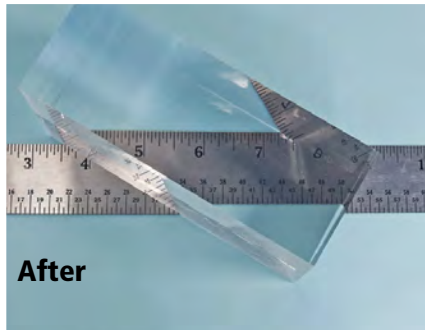
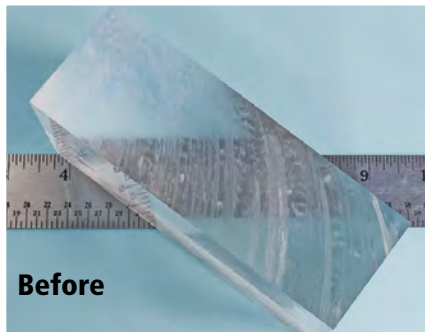
**Table  
Top  
Model**

**Machine Table  
Size 13" x 22"**

### Inside the EF-200



**EF-200 Stand** supports the unit in an ergonomically correct position, allowing the operator to handle sheets as large as 4' by 8' (122 cm x 244 cm) with ease and control.



**Increase productivity!**  
**Eliminate scraping,**  
**buffing or flame polishing**  
**— while improving product**  
**appearance & quality.**

## EF-2000 Diamond Edge Polisher

EF-2000 handles workpieces up to 2" (5 cm) thick. It comes equipped with two removable, long rail extensions, and four adjustable vertical support columns which make it possible to polish the edges of 4' by 8' (122 cm x 244 cm) sheets and larger. Pieces can be stacked and fed through simultaneously up to the maximum 2" (5 cm) capacity.

Workpieces are fed by two constant-tension precision belt assemblies across a special diamond cutter mounted on a high speed, precise 21,000 RPM spindle. Feed rate is infinitely variable from 0–18' per minute via a DC speed control.

Like the smaller EF-200, it has belt pulley assemblies mounted to a common base that can swing out to permit easy access to the cutter. Each belt drive is adjustable by means of an integral cam to permit quick setting for different material thickness. Both belt assemblies are completely protected by safety guards.



A depth indicator for setting cutter height, other tools for setup, adjustment and operation and an instruction manual come with each Diamond Edge Polisher.



## HRK 125 Plastic Bender

- Semi-automatic model offers speed and efficiency for making multiple bends in acrylic, styrene, PET, polycarbonate and foamed PVC sheets 0.007" – 0.78" (0.2 – 20 mm) thick
- 3 upper and 3 lower Nichrome wire heating elements and 4 temperature controls can be positioned under and over workpieces
- Can be upgraded to 4 upper and 4 lower heating elements
- Precise control of wire temperatures and heating cycle time. Top heating elements lift up from work when cycle is complete
- Use on workbench or optional stand
- 49" (125 cm) working length

**EFC provides sales, tooling and technical services in the US & Canada for Shannon's Plastic Bending Machines.**



HRK 125 with optional steel stand



## HRT 125 Plastic Bender

- Compact model bends all thermoplastic sheets up to 0.23622" (6 mm) thick including PMMA, PS, PP, PVC
- Great for catalog displays, card holders, badges and other products requiring multiple bends
- Can be configured with up to 4 heating elements
- Heating elements are independently adjustable for temperature and wire position
- 49" (125 cm) working length



*Made by Shannon in the Netherlands for EFC*



## HR 125 Plastic Bender

- Ultra compact model bends all thermoplastic sheets up to 0.23622" (6 mm) including PMMA, PS, PP, PVC
- Great for catalog displays, card holders, badges and other products
- Comes with 1 heating element
- Heating element is adjustable for temperature and height
- 49" (125 cm) working length



## HRP/D 300 Plastic Bender

- Largest semi-automatic, easily convertible model for making multiple bends, larger pieces and larger quantities in all thermoplastics sheets .078" – .787" (2.0 – 20 mm) thick
- 2 upper and 2 lower adjustable reflectors with hold down unit, independently adjustable heating wires, electronic timer and safety system
- Can be configured with up to 4 upper and 4 lower heating elements
- Includes material magazine and automatic feed system for high volume projects

## AFF 135 Automatic Bender

- Perfect for high quantity production of badge holders or thin overlays of single bend thin material up to .059" (1.5 mm) thick
- Easy to set up system heats, bends and cools automatically
- Pneumatic arm (like the HRK and HRP) has an adjustable timer
- The AFF heating element is adjustable to heat different substrates
- Brake or bending arm is fully adjustable from 0 to 180 degrees
- Air is blown over pieces after they are bent to cool and fix shape
- Vacuum holds material in place until the process is complete





# EBM Edge Beveler

- Compact model turns straight plastic edge to beveled edge in a single pass
- Works with sheets up to 3.94" thick and facet size adjusts from 0 – .39"
- Rotation speed of diamond cutter is adjustable from 0 – 12,000 RPM
- Standard High Gloss finish and Frosted (Satin) finish also available
- Optional mobile stand



## Accessories for Shannon Plastic Bending Machines

### Fixture 3000

HR, HRT, HRM, HRK, HRP/S, HRP, HRT/D, HRP/D

This extended fixture is easy to adjust and specially made for large quantity production. Ideal for L- and T-shaped displays. Available length: 118" (300 cm).



### Cooling Fixtures HR, HRT, HRM, HRK, HRP/S, HRP, HRT/D, HRP/D

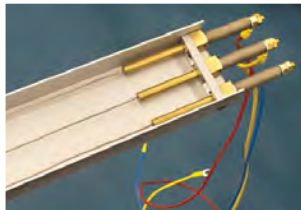
Cooling fixtures allow bent plastic items to easily be cooled at any set angle. Extended versions with double adjusting angles are available. The fixtures have 2 adjustable parallel stops to hold the products at the correct angle. Both sides of the jig are open, making it easy to remove complicated items from the fixture. With an optional protractor on either side, the jig can be set at a desired angle. Available lengths: 25.59", 49.2", 86.6" and 118" (65, 125, 220 and 300 cm). Custom made fixtures or cooling jigs are also available.



### Reflectors with multiple wires

HRT, HRM, HRK, HRP/S, HRP, HRT/D, HRP/D

Reflectors are available in a variety of lengths, widths and multiple heating-wires to fit Shannon Benders. Reflectors for top and bottom up to 9.84" (250 mm) wide and with 12 wires each are available. Standard multiple wire reflectors with 2 – 4 wires and 1.18" – 4.72" (30 to 120 mm) wide can bend plastic sheets up to .98" (25 mm) thick and are ideal for wider radius bending.



### Regulating units

HRT, HRM, HRK, HRP/S, HRP, HRT/D, HRP/D

Shannon plastic bending machines are constructed to be easily expanded with extra regulating units. Double regulating units are available for continuously and variably adjusting the temperature of 2 heating wires.

EV regulating unit = controls 1 wire.

DB regulating unit = controls 1 or 2 wires.



### Foil bending profiles

HR, HRT, HRM, HRK, HRP/S, HRP, HRT/D, HRP/D

Shannon's teflon coated foil bending profiles can bend thin sheets .011" – .059" (0.3 to 1.5 mm.) without distortion. These profiles are perfect for bending Forex or foamed PVC to prevent 'ears' on the sides of the bends — avoiding additional trimming. The foil bending profiles are also available with a double contact-back to make two very close bends possible. Back-sizes are available from .078" – .393" (2 to 10 mm) wide. Standard lengths are: 19.6", 25.59" and 49.2" (50, 65 and 125 cm).



### Working Length Adjustment Set

HR, HRT, HRM, HRK, HRP/S, HRP, HRT/D, HRP/D

Working Length Adjustment Set can create partial bends. It allows a choice of which parts of the heating wire will heat up and which parts stay cold. Both the heating length and the temperature of the wire can be controlled. It avoids the hazardous technique of covering the heating wires to leave areas of the plastic sheet cool.



## HRK 125 Plastic Bender

### Specifications

	Inches	Metric
Work Table	30" x 55"	76 cm x 140 cm
<b>Maximum Workpiece</b>		
Length	49"	125 cm
118" (300 cm) possible with additional supports		
Width	49"	125 cm
Thickness	0.007"–.78"	0.2 – 20 mm
Max. thickness applies to 3 or 4-wire reflector set		
<b>Heat</b>	3 upper and 3 lower reflectors	
Upgradeable to 4 upper and 4 lower reflectors		
<b>Overall Machine</b>		
Length	58"	147 cm
Width	33"	85 cm
Height (Open)	33"	85 cm
<b>Shipping</b>		
Length	61"	155 cm
Width	35.4"	90 cm
Height	31.4"	80 cm
<b>Shipping Weight</b>		
	300 lb	136 kg
<b>Requirements</b>		
Electrical	220V, 1ph, 15Amp, 60Hz	220V, 1ph, 15Amp, 60Hz
Air	90 PSI max.	6 bar max.

## HRT 125 Plastic Bender

Available for 50, 125, 220 & 300 cm working lengths

### Specifications

	Inches	Metric
Work Table	29" x 54"	74 cm x 137 cm
<b>Maximum Workpiece</b>		
Length	49"	125 cm
118" (300 cm) possible with additional supports		
Width	49"	125 cm
Thickness	.008"–.39"	0.2 – 10 mm
<b>Heat</b>	2 lower reflectors with filaments	
Upgradeable to 4 lower reflectors		
<b>Overall Machine</b>		
Length	58"	147 cm
Width	30"	75 cm
Height	7"	19 cm
<b>Shipping</b>		
Length	61"	155 cm
Width	37"	95 cm
Height	16"	40 cm
<b>Shipping Weight</b>		
	250 lb	113 kg
<b>Requirements</b>		
Electrical	220V - 230V	

## HRP/D 300 Plastic Bender

Available for 220 & 300 cm working lengths

### Specifications

	Inches	Metric
Work Table	50" x 120"	127 cm x 305 cm
<b>Maximum Workpiece</b>		
Length	9' 8-1/2"	300 cm lower
With conveyor belt Max. Workpiece is 96 x 40 cm.		
Width	4' 3"	130 cm
Thickness	.007"–.98"	0.2 – 25 mm
<b>Heat</b>	2 upper and 2 lower reflectors	
Upgradeable to 4 upper and 4 lower reflectors		
<b>Overall Machine</b>		
Length	11'	339 cm
Width	4' 3"	130 cm
Height (Open)	5' 6"	168 cm
<b>Shipping</b>		
Length	142"	360 cm
Width	57"	145 cm
Height	55"	140 cm
<b>Shipping Weight</b>		
	1653 lb	750 kg
<b>Requirements</b>		
Electrical	220V, 3ph 25 Amp	
Air	90 PSI max. 6 bar max.	

## HR 125 Plastic Bender

Available for 50, 125, 220 & 300 cm working lengths

### Specifications

	Inches	Metric
Work Table	17" x 49"	43 cm x 125 cm
<b>Maximum Workpiece</b>		
Length	4'	125 cm
118" (300 cm) possible with additional supports		
Width	4'	125 cm
Thickness	.008"–.24"	0.2 – 6 mm
with foil bending profile and standard reflectors		
<b>Heat</b>	1 lower reflector with filament	
Not Upgradeable		
<b>Overall Machine</b>		
Length	54"	137 cm
Width	17"	43 cm
Height	3-1/2"	9 cm
<b>Shipping</b>		
Length	59"	150 cm
Width	20"	50 cm
Height	10"	25 cm
<b>Shipping Weight</b>		
	55 lb	25 kg
<b>Requirements</b>		
Electrical	220V - 230V	

## AFF 135 Automatic Bender

### Specifications

	Inches	Metric
Work Table	53" x 28.75"	135 cm x 73 cm
<b>Maximum Workpiece</b>		
Length	53"	135 cm
Width	30"	76 cm
Thickness	.007"–.059"	0.2 – 1.5 mm
Angle Setting	0-180°	
<b>Maximum Heating Units</b>		
	1 Upper	
<b>Overall Machine</b>		
Length	60"	152 cm
Width	34"	86 cm
Height (Open)	29"	73 cm
<b>Shipping</b>		
Length	64"	162 cm
Width	40"	101 cm
Height	60"	152 cm
<b>Shipping Weight</b>		
	385 lb	175 kg
<b>Requirements</b>		
Electrical	220V, single phase 15 Amp	
Air	116 PSI max. 6 – 8 bar max.	

## EBM Edge Beveler

### Specifications

	Inches	Metric
<b>Maximum Workpiece</b>		
Length	59"	150 cm
Longer lengths possible with additional supports		
Width	4'	1.2 m
Thickness	3.9"	100 mm
Bevel or Facet Size	0–.39"	1–10 mm
<b>Rotation Speed</b> 0– 12,000 RPM		
<b>Overall Machine</b>		
Length	26"	66 cm
Width	19"	48 cm
Height	27"	68 cm
<b>Shipping</b>		
Length	32"	81 cm
Width	24"	61 cm
Height	34"	86 cm
<b>Shipping Weight</b>		
	154 lb	70 kg
<b>Requirements</b>		
Electrical	230V / 50 – 60 Hz	



**EFC is committed to quality & customer satisfaction. Visit our Bethel, CT showroom to learn more!**

**Machine Specifications**

**EF-200 Diamond Edge Polisher made to CE standards**

Part	Inches	Metric
Machine Table Size	13" x 22"	33 x 56 cm
Total Available Rail Length	46"	117 cm
Maximum Workpiece Dimensions	2' x 8' x 3/4" thick	61 x 244 X 2 cm
Spindle Speed	18,000 RPM	18,000 RPM
Spindle Drive Motor	3/4 HP	0.52 Kw
Constant Tension, Dual Belt Feed	standard	standard
Feed Speed (Infinitely Adjustable)	0-10' per minute	0-3 meters per minute
Feed Belt Motor	1/20 HP DC	40W
Electrical Requirements	220V, 1ph, 15Amp, 50/60Hz	220V, 1ph, 15Amp, 50/60Hz
Machine Dimensions (without track extensions)		
Length (Side to Side)	22"	56 cm
Width (Front to Back)	13"	33 cm
Height	17 3/4"	45 cm
Shipping Weight	95 lb	43 kg
Shipping Dimensions	26" x 16" x 20"	66 x 40.6 x 50.8 cm

**EF-2000 Diamond Edge Polisher made to CE standards**

Machine Table Size	24" x 36"	61 x 91.5 cm
Total Available Rail Length	8' 3"	251.5 cm
Maximum Workpiece Dimensions	4' x 8' x 2" thick	122 x 244 x 5 cm
Spindle Speed	21,000 RPM	21,000 RPM
Spindle Drive Motor	2 HP	1.5 Kw
Feed Speed (Infinitely Adjustable)	0-18' per minute	0-5.5 meters/min.
Feed Belt Motor	1/8 HP DC	95 W
Vertical Supports for large workpieces		
	4	4
Electrical Requirements	220V, 3ph, 15Amp, 60Hz	220V, 3ph, 15Amp, 50Hz
Machine Dimensions (without rail extensions)		
Length (Side to Side)	36"	91.5 cm
Width (Front to Back)	24"	61 cm
Height (Including Support Cols.)	52"	132.1 cm
Shipping Weight	725 lb	330 kg
Shipping Dimensions	30" x 48" x 60"	76.2 x 122 x 152.4 cm



Visit EFC's showroom to see first hand how our plastic polishers and benders can help solve your production problems.

Our staff is available to answer questions, respond to requests, and to service equipment at our factory or on location. We can evaluate a machine's effectiveness on unusual materials even though EFC Machines are designed to finish rigid sheet acrylic. We can also assist with applications that are needed for your specific products.

Video demonstrations of Diamond Edge Polishing Machines, downloadable instruction manuals and product brochures on Shannon Plastic Benders are available online at: [www.edgefinisher.com](http://www.edgefinisher.com)



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