

Money-Saving Opportunities

If your converting line creates edge trim, the by-product is an opportunity to save time and money. Let BloApCo design and build an efficient system to handle your edge trim scrap.

BloApCo's scrap-handling systems increase production up-time and allow your converting machinery to run at full speed.

An efficient BloApCo-designed air-trim system uses less air and horsepower to move cut scrap material to the collection area, cutting your energy cost.

To create the optimum system for your application, we'll ask you questions such as:

- The type and number of machines you are using
- The type of trim material: width, thickness (caliper) and density (basis weight)
- Production machine line speed
- Number of trim pickup points
- Distance to the scrap collection area

Largest Family of Proven Trim Cutters



Why A Trim Cutter?

Trim cutters enable continuous web manufacturers, slitters and converters to remove edge trim from production lines while maximizing up-time by eliminating edge trim blockages.

Trim cutters cut continuous material into small pieces that move with ease to a collection area such as a baler or compactor. Trim cutters are ideal wherever one or more edge trims are conveyed through the same duct.

Imagine conveying several continuous ribbons of material from multiple converting machines through a common duct. If you convey continuous trims without cutting them, they twist and rope. This "roping" leads to balling of edge trim as faster and slower moving trims tangle and plug the duct. This plug could be anywhere in the scrap system. Furthermore, non-tearable continuous trims being conveyed through a material handling fan wrap around the fan wheel, plugging and possibly damaging the fan.

Another major benefit: trim cutters handle a wide range of materials, including:

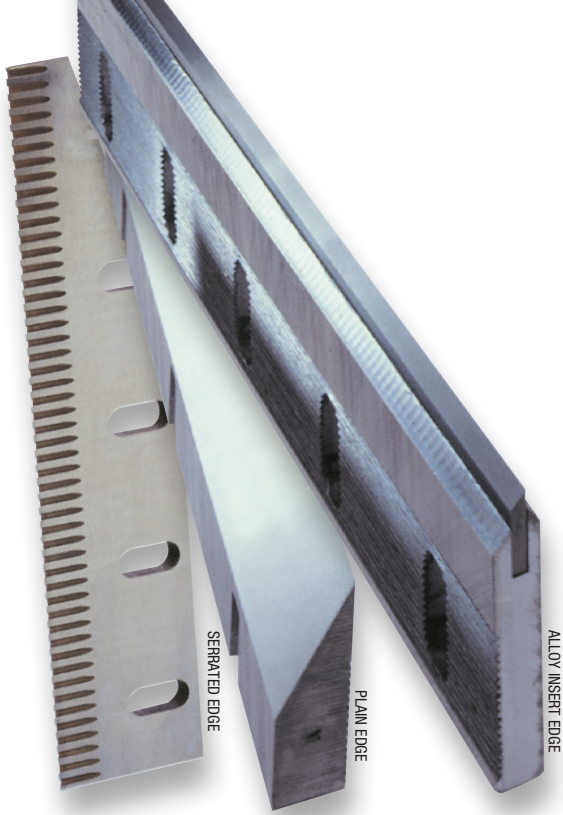
- Brass, copper and aluminum foil
- Skeletal die cuts and trims
- Corrugated board, micro flute to triple wall and honeycomb
- Laminated materials such as polycoated paper
- Non-wovens
- Plastic films
- Poly and vinyl extrusions.
- Pressure sensitive label stock
- Reinforced tapes and laminates
- Solid fiber paperboard
- Textile fibers

Now we get down to the business of selecting a trim cutter that suits your needs and maximizes machine up-time.

CUTTER END PLATES



Impact or Shear Cutting Actions Meet Your Challenge

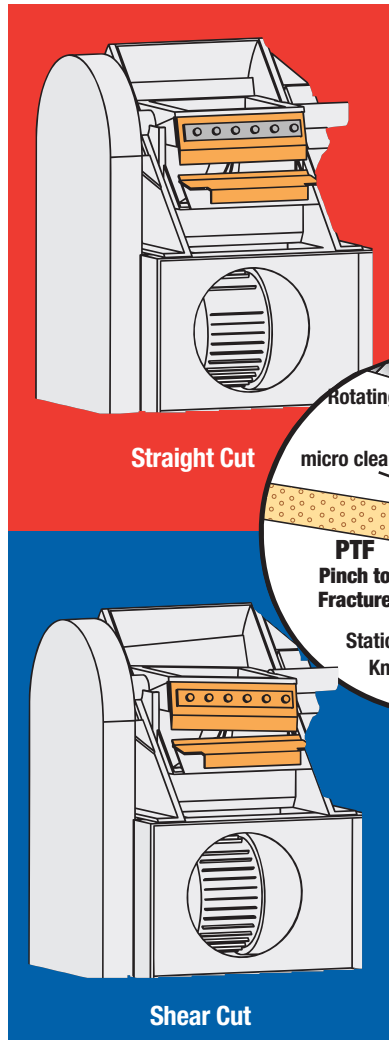


Why a BloApCo Trim Cutter?

Simple: We have what you need.

BloApCo, a proud American material handling equipment manufacturer since 1933, offers the industry's largest family of proven trim cutters to accommodate the widest range of materials.

Be assured we have a model tailored to fit your web process.



Straight Impact Cutter...

Trim cutters using a straight impact cut have rotating knives that are straight with respect to the stationary knife. The cutting line, between the rotating and fixed knives is uniform across the entire cutting face.

Trim cutters using a straight impact cut often are used for paper, chipboard and ridged plastics.

...and

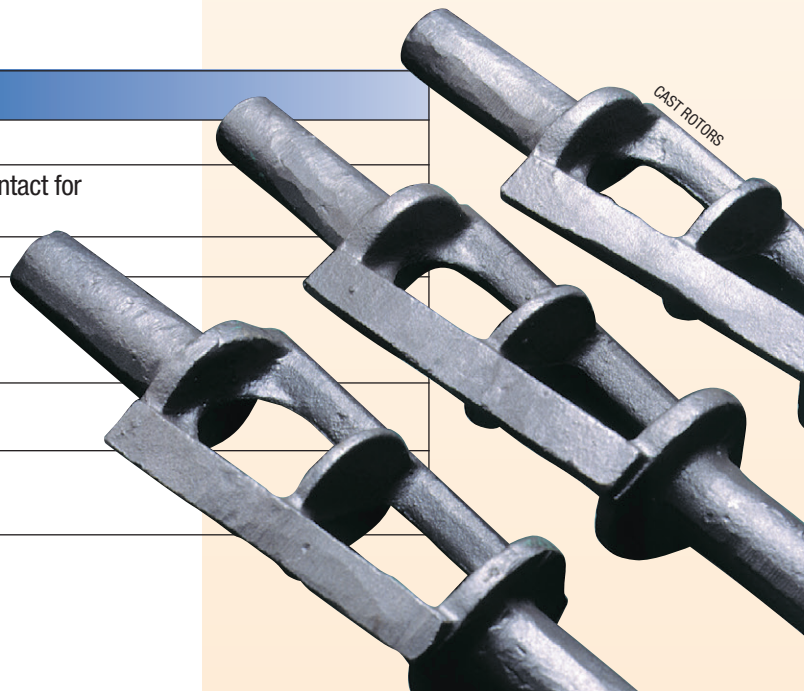
Progressive Shear Cut Trim Cutter

Trim cutters using a progressive shear cut have canted rotating knives so the pinch, or cutting point, between the rotating and fixed knives moves from one side to the other.

The shear cut is often used for thin films and foils, fiberboard, double- and triple-walled corrugated, metals, and non-wovens.

Key Advantages of BloApCo Trim Cutters

Feature	Benefit
Heavy cast frame and rotor	Stability and strength
Tapered roller bearings	Prevents knife-to-knife contact for ultra-close settings
Open rotors	Efficient airflow
Outboard bearing design	Prevent bearing and trim contamination
Choice of drive: belt, direct or gear motor	Infinite RPM selection and cutter head positions
Optional knives: material and profile	Perfect match of knife with trim material



Cutter Selection

Cutters to Fit Your Needs

With over 50 basic types of trim cutter configurations, BloApCo offers the greatest variety in the industry — and the specific configuration for your scrap handling application. Drawing on

decades of application experience, we will configure the correct cutter to your specific needs and guarantee that it fits your application perfectly.

Thin

¼-20 mil (6.35-508 µm)

Ideal for:

- Non-wovens
- Nylon fibers – fine
- Poly films

Medium

3-12 mil (76.2-304.8 µm)

Ideal for:

- Card stock
- Chipboard
- Fiberboard - light
- Paper
- Paper - copy

Light

1-20 mil (25.4-508 µm)

Ideal for:

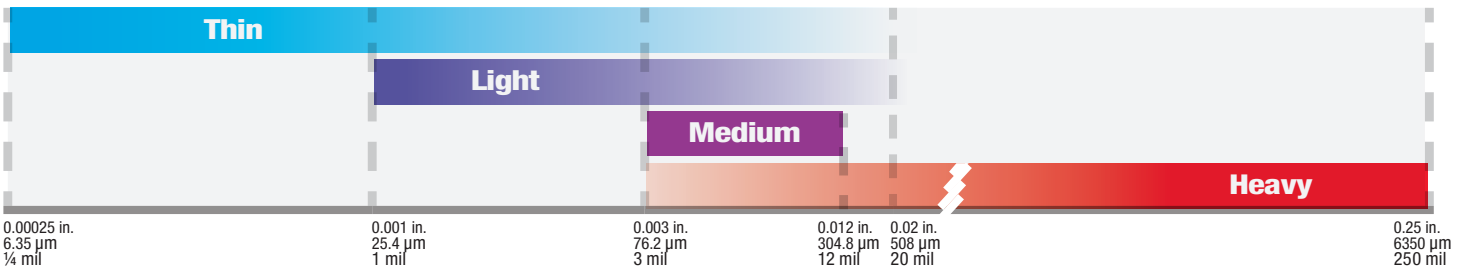
- Foil laminates
- Mylar
- Paper - light
- Poly films
- Pressure-sensitive stock
- Recording tape

Heavy

20 mil (508 µm) and up

Ideal for:

- Corrugated board
- Fiberboard - heavy
- Kraft paper - laminated
- Non-ferrous foils - up to 0.025 in.
- Solid bleached sulfate paperboard



	Thin		Light			Medium	Heavy	
	Model 7-9	Model 8-8	Model 7-6	Model 8-5	Model 7-7	Model 3B	Model 5TOB-5SC	Model 8-3
Air Capacity	1,000 cfm (1,700 m3/hr)	4,500 cfm (7,650 m3/hr)	1,000 cfm (1,700 m3/hr)	4,500 cfm (7,650 m3/hr)	1,000 cfm (1,700 m3/hr)	1,000 cfm (1,700 m3/hr)	3,000 cfm (5,100 m3/hr)	4,500 cfm (7,650 m3/hr)
Inlet Width	7.75 in (197 mm)	13.5 in (343 mm)	7.75 in (197 mm)	13.5 in (343 mm)	7.75 in (197 mm)	6.25 in (159 mm)	8.5 in (216 mm)	13.5 in (343 mm)
Motor	1 hp	5 hp	1 hp	5 hp	1 hp	.75 hp	2 hp	5 hp
RPM	3,600 max	3,600 max	3,600 max	3,600 max	2,000 max	2,000 max	2,000 max	2,000 max
Caliper Range*	0.00025 in (6.35 µm) to 0.020 in (508 µm)	0.00025 in (6.35 µm) to 0.020 in (508 µm)	0.001 in (25.4 µm) to 0.020 in (508 µm)	0.001 in (25.4 µm) to 0.020 in (508 µm)	0.001 in (25.4 µm) to 0.020 in (508 µm)	0.003 in (76.2 µm) to 0.012 in (304.8 µm)	0.003 in (76.2 µm) to 0.25 in (6350 µm)	0.003 in (76.2 µm) to 0.25 in (6350 µm)

*Guide is for comparison purposes only. Actual cutting capabilities may vary with specific application.

Configuring the BloApCo Trim Cutter for Your Application

Once we have selected the proper cutter, we will need to determine the appropriate knives, bearings, drives and additional features required for your application. Contact your BloApCo representative and visit our website for assistance in accurately configuring a trim cutter to your converting line.



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