

# THERMOCUTTERS

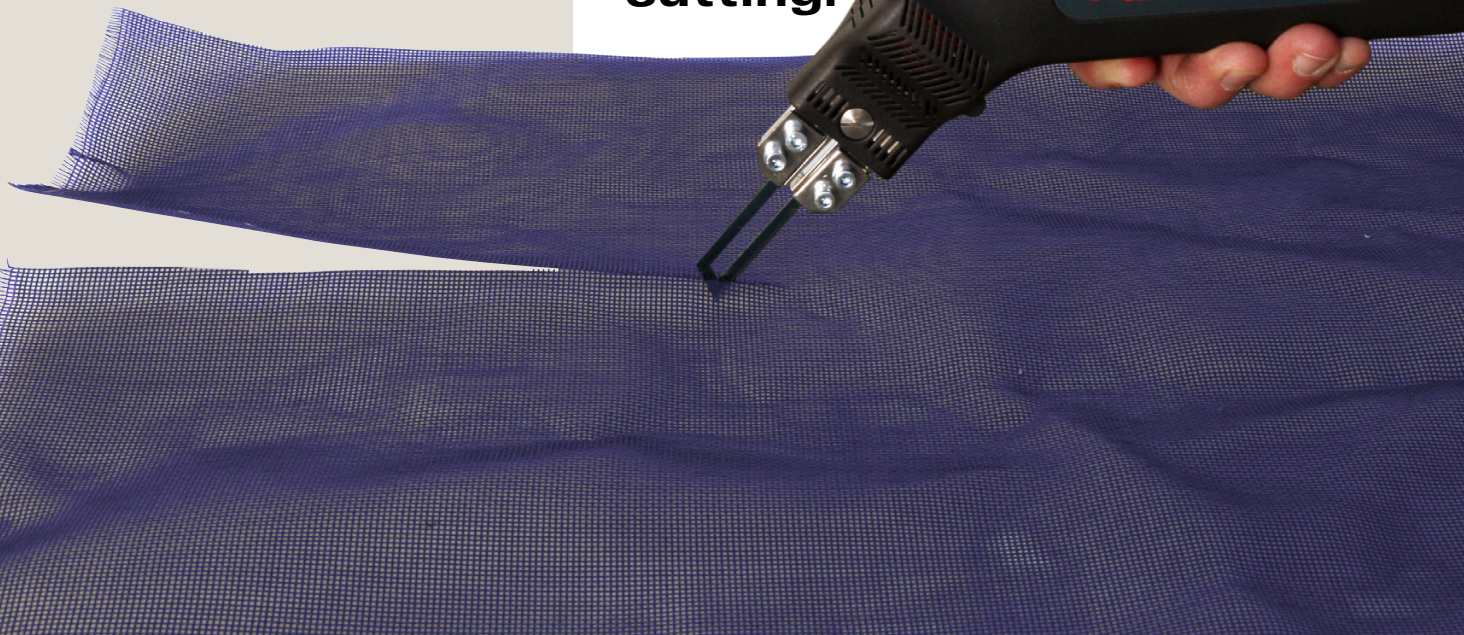
## Applications

Cutting and sealing synthetic fabrics  
Foam cutting and grooving  
Cut shapes in thin plastics  
Degating and trimming  
Trim awnings and tarps  
Web and rope cutting  
Wire stripping  
Cutting Cyrel™ printing plates  
Packaging, foam inserts  
Upholstery and carpeting  
Rubber coating removal  
Remodeling building facades  
Adhesive removal  
Insulation, internal finish and facing  
Terminating fiber optics  
Electrical installation  
Artistic foam design  
Architects' building models  
Model makers  
Switch and distribution boards  
Building construction  
Manufacturers of doors and windows  
Tire and automotive trade  
Furniture manufacturing  
Manufacturers of molded die cast and extruded parts



ZETZ-24 see back page.

**For cutting  
thermoplastic, foam  
and synthetics.  
Seal edges  
while  
cutting.**



# AZTC-20 THERMOCUTTER

## Compact, Industrial thermoplastic cutter



### Durable lightweight model

This is a lightweight, compact hand-held hot knife with electronic heat control. Its slim handle makes it convenient for cutting in areas with limited access.

The blade heats up quickly and is easily controlled by the spring-loaded ON-OFF switch.

The temperature of the blade can be adjusted to that best suited to your application. But, the handle never gets hot.

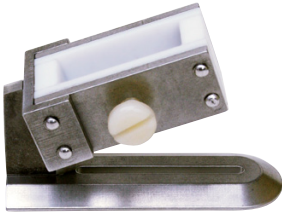
Changing blades is easy— just loosen the four Allen wrench screws, insert the blade and tighten. A variety of blades are available for specific applications.

- ▶ Weighs only 11½ oz.
- ▶ Features an electrically heated blade
- ▶ For cutting thin plastics, foams and synthetic fabrics easily and effortlessly
- ▶ Heats up instantly
- ▶ Temp 0 to 1050°F
- ▶ Designed for on/off operation
- ▶ Electronically controlled
- ▶ Cuts through material up to 5 inches thick depending on density
- ▶ Convenient thumb temperature adjustment
- ▶ Pulsating current for use with larger blades

**AZTC-20 Thermocutter \$470** Delivered Price  
Comes with one T-3 Blade and Handy Tool Stand  
Also available in 240-volts



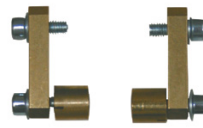
# CUTTING ACCESSORIES for Thermocutters



**TFoot**  
 for use with  
**T11/15 or T06**  
 blade for cutting  
 fabrics

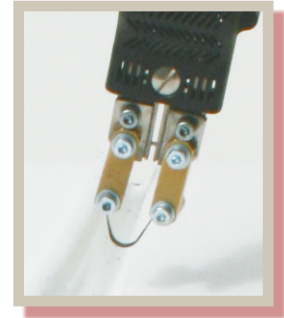
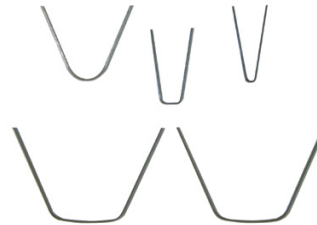
A new cutting foot accessory for the AZTC-20 Thermocutter is now available.

This cutting foot is used to prevent damage to your cutting surface while cutting synthetic fabrics and thin plastics.



Adapter

**GROOVE**  
**ADAPTER**



The material is lifted off the cutting surface before coming in contact with the heated blade which easily cuts and seals the edges of the material.



Convert your Thermocutter with a new adapter for cutting grooves in styrofoams, etc. Fits AZTC-20, ZETZ-24, and ZETZ-25 thermocutters (pages 2 and 8) and holds all the thermogroover blades on page 6.


**Tfoot cutting foot accessory**  
 Tfoot ..... **\$95**

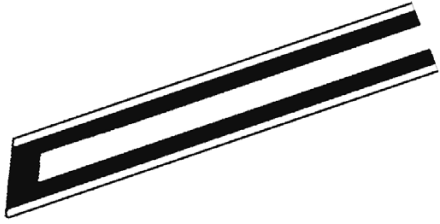
**Groove Adapter for Thermocutters**  
 P150 Groove Adapter ..... **\$49**


See pages 4-5 for blades selection and suggested uses.


# THERMOCUTTER BLADES

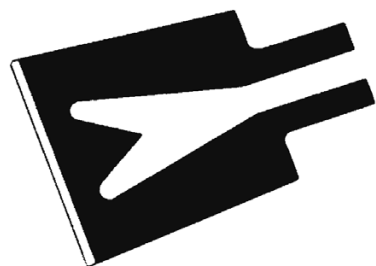
Choose the blade to suit the application. These blades are designed so that heat is concentrated along the cutting edge for the optimum cutting temperature. Before inserting in the material to be cut, the temperature of the blades will be between 200°F and 1400°F, depending on the type of blade and the thermocutter used. The temperature of the blade cools down as it enters the material. The temperature is affected by the thermal properties and heat conductivity of the material being cut and determines the cutting speed.

Number	Thickness	Cutting Edge	Delivered Price	
T3-15P	0.6 mm	15 mm	6/ <sup>6</sup> \$61 <sup>35</sup>	 <p>Standard blade used for many simple cutting applications.</p>
T3-30P	0.6 mm	30 mm	6/ <sup>6</sup> \$61 <sup>35</sup>	
T3-50P	0.6 mm	50 mm	6/ <sup>6</sup> \$61 <sup>35</sup>	
T3-90P	0.6 mm	90 mm	2/ <sup>2</sup> \$21 <sup>75</sup>	
T3-125P	0.6 mm	125 mm	2/ <sup>2</sup> \$21 <sup>75</sup>	


Number	Thickness	Cutting Edge	Delivered Price	
T2-50P	0.6 mm	50 mm	6/ <sup>6</sup> \$67 <sup>20</sup>	 <p>Sharpened on two sides to prevent distortion, allows cutting in two directions. Ideal for cutting foam.</p>
T2-100P	0.6 mm	100 mm	2/ <sup>2</sup> \$25 <sup>00</sup>	
T2-150P	0.6 mm	150 mm	2/ <sup>2</sup> \$25 <sup>00</sup>	
T2-200P	0.6 mm	200 mm	2/ <sup>2</sup> \$28 <sup>35</sup>	

Number	Thickness	Cutting Edge	Delivered Price	
T11-15P	0.6 mm	15 mm	6/ <sup>6</sup> \$69 <sup>85</sup>	 <p>With angled cutting edge and parrot's beak to serve as guide hook.</p>
T11-30P	0.6 mm	30 mm	6/ <sup>6</sup> \$69 <sup>85</sup>	

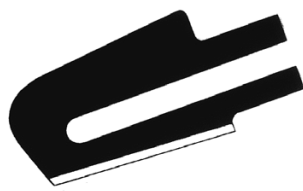
Number	Thickness	Cutting Edge	Delivered Price	
T4P	0.6 mm	30 mm	2/ <sup>2</sup> \$31 <sup>45</sup>	 <p>Snub nosed design allows for concentrated heat at the tip.</p>


Number	Thickness	Cutting Edge	Delivered Price	
T015-0-6P	0.6 mm	35 mm	\$16 <sup>15</sup> /ea	 <p>Spade shaped to be held vertically. Suitable for mounting installations.</p>
T015-0-8P	0.8 mm	35 mm	\$16 <sup>95</sup> /ea	
T015-1-0P	1.0 mm	35 mm	\$18 <sup>15</sup> /ea	


Available blade thickness: 0.6 mm, 0.8 mm, 1.0 mm

Number	Thickness	Cutting Edge	Delivered Price	
T01	0.6 mm	6 mm	\$16 <sup>20</sup> /ea	 <p>With Glide Hook Hooks into material and glides along cutting base. No. T02S0 is offset at 90° angle</p>
T02	0.8 mm	12 mm	\$16 <sup>20</sup> /ea	
T02S0	1.0 mm	12 mm	\$23 <sup>00</sup> /ea	

Number	Thickness	Cutting Edge	Delivered Price	
T04	0.6 mm	15 mm	\$16 <sup>20</sup> /ea	 <p>With short, obtuse angled cutting edges, both sides ground</p>

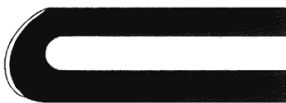
Number	Thickness	Cutting Edge	Delivered Price	
T05	0.6 mm	35 mm	\$16 <sup>20</sup> /ea	 <p>With wide blade back and reinforced cutting flange for stable cutting. This high temperature blade is designed for heat sealing the cut edges.</p>

Number	Thickness	Cutting Edge	Delivered Price	
T011-0-6	0.6 mm	10 mm	\$16 <sup>20</sup> /ea	 <p>Standard blade, double edged, with concave cutting edges leading to a point— For cutting material at an oblique angle and at a high temperature. Can achieve a small radius on rounded cuts. Cuts straight into material without preparatory drilling. Deburring blade for anti-static trimming of excess plastic from sprues without waste or tension cracks.</p>
T011-0-8	0.8 mm	10 mm	\$16 <sup>95</sup> /ea	

Number	Thickness	Cutting Edge	Delivered Price	
T012-0-6	0.6 mm	35 mm	\$17 <sup>60</sup> /ea	 <p>With long pointed blade flanges, ground both sides for two-directional cuts. For cutting around templates. Also suitable for deburring.</p>
T012-1-0	1.0 mm	35 mm	\$18 <sup>95</sup> /ea	

Number	Thickness	Cutting Edge	Delivered Price	
V1	2.0 mm	15 mm	\$24 <sup>55</sup> /ea	 <p>Used for sheet plastics, asphalt roofing paper, roll stock and any high-heat application. Not designed for continuous use. ZETZ-24 only.</p>

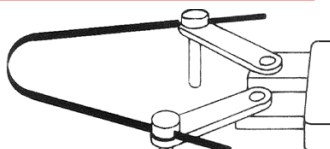
Number	Thickness	Cutting Edge	Delivered Price
T06	0.6 mm	3 mm	\$14 <sup>20</sup> /ea
T06-2-0	2.0 mm	3 mm	\$27 <sup>75</sup> /ea



With rounded edge to glide along cutting surface, heat seals the edges to prevent fraying of synthetic fibers and textiles.

### Cutting Sling

T150 \$61<sup>50</sup>/ea



T151P Thickness .05 mm  
Blade Length 15 cm

10/\$42<sup>00</sup>

Cutting Sling T-150 consists of adjustable arms plus Blade No. T151 which can be reshaped once.

Applications: For rounded, angular, concave and other shaped cuts. Shaping interior spaces, cutting hollows into foam materials such as PE, PS, PU, etc.



Tn106 Cutting Width 16-22 mm  
Cutting Depth 16 mm

10/\$16<sup>50</sup>

Grooving blade (for use with Cutting Sling) For quick cutting of grooves and flutes in foam materials made of PE, PS, PU.

T013-45	0.8 mm	45 mm	\$29 <sup>90</sup> /ea
T013-70	1.0 mm	70 mm	\$29 <sup>90</sup> /ea
T013-70-1.5	1.5 mm	70 mm	\$49 <sup>90</sup> /ea
T013-115	1.0 mm	115 mm	\$38 <sup>95</sup> /ea
ATL45	0.8 mm	45 mm	\$34 <sup>85</sup> /ea
ATL70	1.0 mm	70 mm	\$34 <sup>85</sup> /ea



With curved cutting edge and thick blade, this high temperature blade is suitable for long cuts under pressure. T013/70 and T013-115 blades are for use with ZETZ-24 only.

ATL Blades are the same as T013 Blades with the exception of being offset at a 45° angle.

T08-50	0.8 mm	50 mm	\$22 <sup>30</sup> /ea
T08-75	0.8 mm	75 mm	\$23 <sup>30</sup> /ea
T08-100	0.8 mm	100 mm	\$25 <sup>60</sup> /ea
T08-120	0.8 mm	120 mm	\$26 <sup>30</sup> /ea

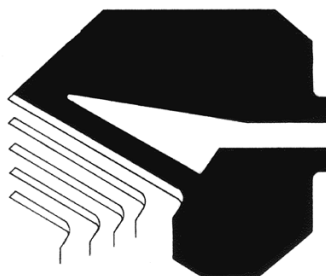


With evenly heated cutting edge and 50 mm cutting length up to 120 mm, this thick blade is suitable for thermoplastics with low melting points such as foam polyethylene, polystyrene, polyurethane. Gives a clean cut which allows seamless joining of material in subsequent sealing or gluing operations. Good for cutting profile gaskets of PVC and Neoprene rubber for windows and door frames without crushing the material and roof and wall insulation boards up to 120 mm thickness. No gap, no cold bridge. T 08-75 and up are for use on ZETZ-24 only.

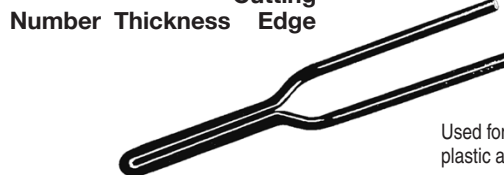
### FOR USE WITH ZETZ-24 ONLY

Blades are designed for rapid heating to maximum temperature. The entire cutting edge must be used in the material to obtain full benefit of the heat and to maximize cutting efficiency. Blades are available in 5 cutting lengths and should be chosen according to thickness of material.

T10	1.0 mm	10 mm	\$24 <sup>75</sup> /ea
T15	1.0 mm	15 mm	\$24 <sup>75</sup> /ea
T20	1.0 mm	20 mm	\$24 <sup>75</sup> /ea
T25	1.0 mm	25 mm	\$24 <sup>75</sup> /ea
T30	1.0 mm	30 mm	\$24 <sup>75</sup> /ea



### Cutting Edge



Used for melting round holes in plastic and nylon materials.

SA-1 2.5 mm 5.0 mm \$22<sup>65</sup>/ea

ATS10 0.8 mm 10 mm \$27<sup>35</sup>/ea  
ATS18 1.0 mm 18 mm \$27<sup>90</sup>/ea  
ATS22 1.0 mm 22 mm \$28<sup>40</sup>/ea



Ideal for removal of adhesive material or removal of plastic flashings. Scoop design with 1/8" sides.

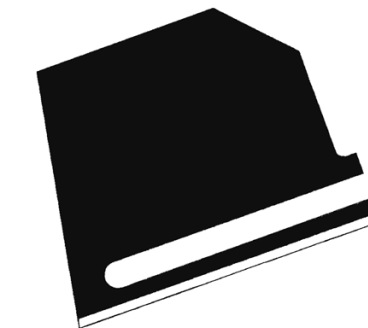
TS30 1.0 mm 30 mm \$22<sup>20</sup>/ea



Heavy duty blade designed for removing plastic/rubber linings inside storage tanks. Scoop design with 3/8" sides. For use with ZETZ-24 only.

Designed for cutting at offset angles. Suitable for permanent mounting operations—sharpened on both sides. For use with ZETZ-24 only.

ATP18 1.0 mm 18 mm \$29<sup>55</sup>/ea  
ATP22 1.0 mm 22 mm \$29<sup>55</sup>/ea  
ATP33 1.0 mm 33 mm \$30<sup>65</sup>/ea  
ATP38 1.0 mm 38 mm \$32<sup>45</sup>/ea  
ATP40 1.0 mm 40 mm \$32<sup>45</sup>/ea  
ATP50 1.0 mm 50 mm \$34<sup>75</sup>/ea  
ATP55 1.0 mm 55 mm \$32<sup>30</sup>/ea



Blades for cutting insulating material. Thick blade for controlled cutting, with constant temperature along the cutting edge. Blades available in 7 lengths, should be chosen according to thickness of material.

For a length of more than 100 mm, use only on ZETZ-24.

- For anyone using foam insulation such as contractors, painters, interior fitters, insulating specialists.
- Roof and wall insulation boards up to 200 mm thickness made of PE, PS, PU.
- Quick and neat joining and fitting of insulation boards. Cutting time for 1 m long, 150 thick insulation board is 8 seconds.

DT50 1.0 mm 50 mm \$23<sup>75</sup>/ea  
DT75 1.0 mm 75 mm \$24<sup>95</sup>/ea  
DT100 1.0 mm 100 mm \$26<sup>20</sup>/ea  
DT125 1.0 mm 125 mm \$29<sup>50</sup>/ea  
DT150 1.0 mm 150 mm \$45<sup>25</sup>/ea  
DT175 1.0 mm 175 mm \$58<sup>85</sup>/ea  
DT200 1.0 mm 200 mm \$78<sup>45</sup>/ea



# THERMO-GROOVERS

for Synthetic Rubber & Resins, PU, PE, Polyester Foams and Soft PVC



**KZ-10**

**KZ-6**

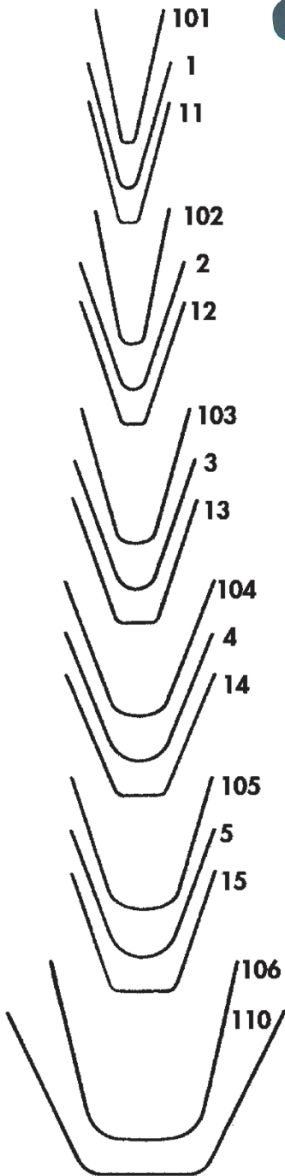


## Applications

- ▶ Cutting grooves in conveyor belts
- ▶ Regrooving worn tires (on regroovable tires only)
- ▶ Cutting thick rubber by cutting out a groove from both sides
- ▶ Cutting grooves in foam, insulation for tubes, wiring, etc.
- ▶ Profiling of friction linings and overlaps
- ▶ Separating sprues
- ▶ Removing end material from rolls
- ▶ Removing adhesives
- ▶ KZ-10 handle is connected to base control unit by cable and is designed for continuous use
- ▶ KZ-6 transformer and controls are self-contained and are designed for non-continuous duty
- ▶ Variable temperature control allows you to adjust the cutting temperature for your specific cutting width, depth and cutting speed
- ▶ Blades instantly heat up as soon as forward pressure is applied— Cutting width ranges from 2 to 28 mm wide
- ▶ Available in round or wedge shapes
- ▶ Good for applications where regular cuts tend to weld back together

### Choice of Round, Wedge, or V-Shaped Blades

Cuts	V-shaped No.	Round No.	Wedge No.	Cutting Width	Cutting Depth	Delivered Price
AZ101		1	11	2- 4 mm	7 mm	\$23 <sup>50</sup> /20-pack
AZ102		2	12	4- 6 mm	8 mm	\$23 <sup>50</sup> /20-pack
AZ103		3	13	6- 8 mm	10 mm	\$23 <sup>50</sup> /20-pack
AZ104		4	14	8-10 mm	14 mm	\$23 <sup>50</sup> /20-pack
AZ105		5	15	10-14 mm	16 mm	\$23 <sup>50</sup> /20-pack
AZ106				16-22 mm	16 mm	\$28 <sup>00</sup> /20-pack
AZ110				22-28 mm	16 mm	\$28 <sup>00</sup> /20-pack



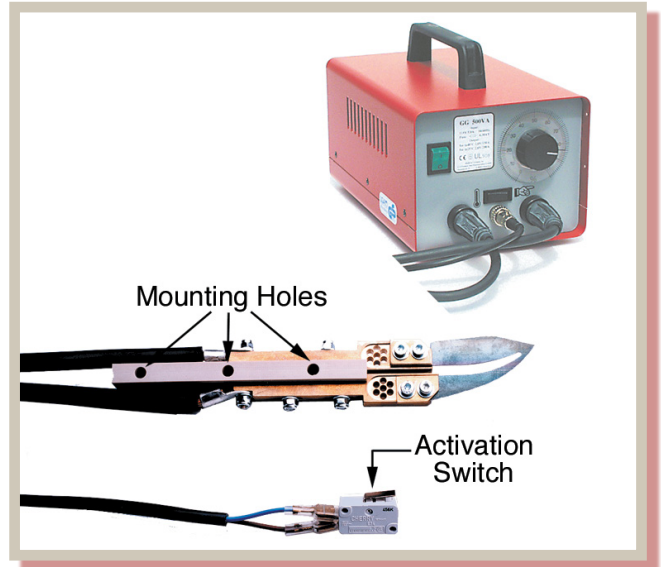
Model KZ-10	<b>Thermo-Groover</b> (Including Controller, Handle & Cord)	<b>\$1,725</b>
Model KZ-10H	<b>Thermo-Groover Handle w/Cord</b> (only for use on ZETZ-24 Base Unit)	<b>\$499</b>
Model KZ-6	<b>Thermo-Groover</b> (with internal controls)	<b>\$545</b>

# ZETZ-25 THERMOCUTTER

## Deburring— Scraping— Cutting

### 400 Watts — 115 Volts

- ▶ Up to 2.6 Volts on the blade (for safe operation)
- ▶ Cables— power to controller— 6 feet— controller to handle— 9½ feet
- ▶ Blade temperatures 220°F to 1400°F depending on the blade used
- ▶ Comes with one T-08/75 mm blade (suitable for foam and soft thermoplastics)
- ▶ Control Unit Dimensions— 7½" x 8½" x 11⅞"
- ▶ Handle is only 1.2 pounds
- ▶ Shipping weight— 33 lbs
- ▶ Also available in 240-Volt— no extra charge— specify when ordering



**ZETZ-25 Control Unit with EOAT Handle** (Available in 110 or 240 volts)  
See pages 4-5 for blades selection and suggested uses.

**\$2,050**  
Delivered Price

# THERMO-STRAIGHT CUTTER

Designed specifically for fabric and plastic film cutting and finishing, offers straight, square and clean cutting. Includes:

- ▶ Sabre Cutter Bar and Base
- ▶ Hot Knife Carrier
- ▶ AZTC-20 Thermocutter with T013/45 Blade
- ▶ Cuts on strip of silicone tape

### Accuracy

Human errors and makeshift straight edges are now a thing of the past. The Thermo-Straight Cutter cuts approximately ¼" from the edge of the Sabre cutter bar, ensuring straight line cuts in the same location every time.

### Speed

Your shop can accommodate today's high-demand fabric graphics— and more of them! Using the heated blades of the Thermo-Straight Cutter knives, your operators can quickly cut and seal the edges of synthetic fabrics. Eliminate the time associated with cumbersome hand-cutting and final trimming of frayed or unraveled edges.

### Safety

The Heat Knife Carrier is safe to use. The heating mechanism is activated only when the spring-loaded trigger is depressed by a center post. As soon as it is released, the heating element automatically turns off. A left production stop also reduces contact between the warm blade and nearby materials.



**Thermo-Straight Cutter**

Item#	Cut Size	Overall Size	FOB PA
61725A	36"	46.5"L x 13"W	\$1,135
61727A	75"	85.75"L x 13"W	\$1,410
61729A	115"	125"L x 13"W	\$1,680
T013-45	Replacement Blade		\$29 <sup>90</sup>

# ZETZ-24 THERMOCUTTER



A 3-line electrical cable connects the cutting handle to the base unit. Two lines are for electrical power and the third connects the ON/OFF switch in the handle which actuates the controller in the base unit. It uses very little power and decreases temperature buildup in the handle.

## For Industrial Cutting Applications

- ▶ Features an electrically heated blade for cutting thermoplastics easily and effortlessly
- ▶ Heats up instantly
- ▶ Designed for continuous heavy-duty industrial operation— including on-off batch production, use at a central work station, EOAT operation, or on site
- ▶ Transformer steps voltage down to a safe level
- ▶ Cuts through material up to 5 inches thick depending on density
- ▶ Set for on/off or continuous operation at the flip of a switch

There are a large variety of blades to choose from to suit your applications. The blades can be quickly and easily changed. The temperature of the blade is adjusted by the variable controller on the base unit so it operates at the optimum temperature for your application.



See videos on [Abbeon.com](http://Abbeon.com)



## Specifications

400 Watts		115 Volts
Up to 2.6 Volts on the blade (for safe operation)		
Cables	power to controller	6-feet
	controller to handle	9½-feet
Blade	220°F to 1400°F depending on the temperatures blade used	
Comes with one T-08-75 mm blade suitable for foam and soft thermoplastics		
Control Unit	7½" x 8½" x 11⅞"	
Dimensions		
Handle	only 1.2 pounds	
Shipping weight	30 lbs	
Also available in 240-Volt/ no extra charge		
Specify when ordering.		

**ZETZ-24 Thermocutter with Controller** (Available in 115 or 230 volts)

See pages 4-5 for blades selection and suggested uses.

**\$1,725**

Delivered Price

ABBEON CAL, INC. 123 GRAY AVENUE, SANTA BARBARA, CA 93101  
 800/922-0977 FAX: 805/966-7659 ABBEONCAL@ABBEON.COM  
 WWW.THERMOCUTTERS.COM