Thermocutters

For Cutting Thermoplastic, Foam and Synthetics

Zetz-24

AZTC-20

Our **Zetz-24** hot knife Thermocutter features an electrically (110V) heated blade designed for cutting all thermoplastics easily and effortlessly. Heats up instantly. Transformer steps voltage down to a safe level. Cuts through low density material up to 5 inches thick. This Thermocutter is designed for continuous, industrial operation — including on-off batch production, use at a central work station or on-site.

The **AZTC-20** is our compact, durable and lightweight thermoplastic cutter. 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.

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
- Packaging, foam inserts
- Upholstery and carpeting
- Rubber coating removal
- Adhesive removal
- Terminating fiber optics
- Electrical installation
- Artistic foam design
- Architects' building models
- Switch and distribution boards
- Building construction
- Manufacturers of doors and windows
- Manufacturers of molded die cast and extruded parts

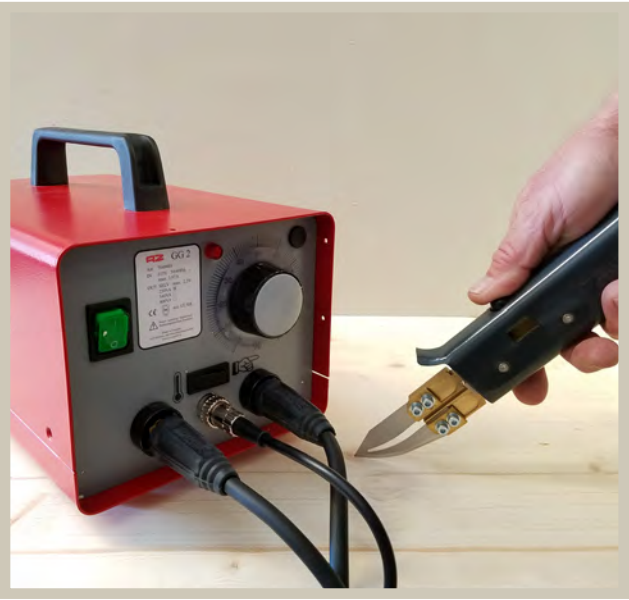
Zetz-24 Thermocutter

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

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.

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 Thermocutters.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 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	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 5-6 for blades selection and suggested uses.

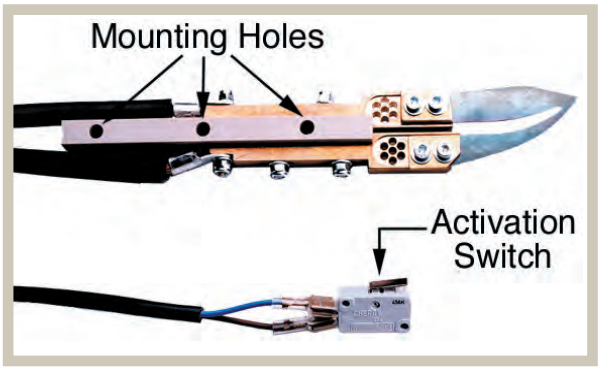
Zetz-25 Thermocutter

Optional Handle for use on EOAT

Deburring— Scraping— Cutting

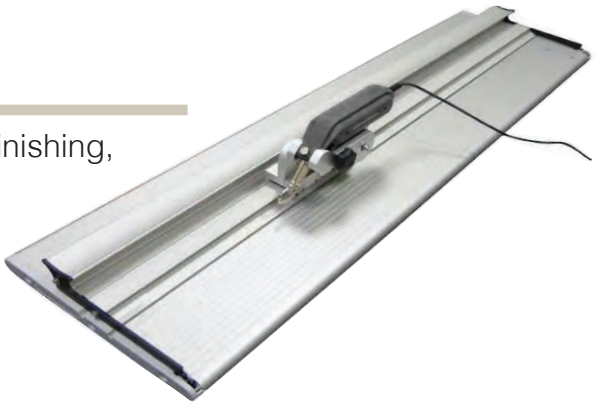
400 Watts — 115 Volts

- 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 5-6 for blades selection and suggested uses.

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 knifes, 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

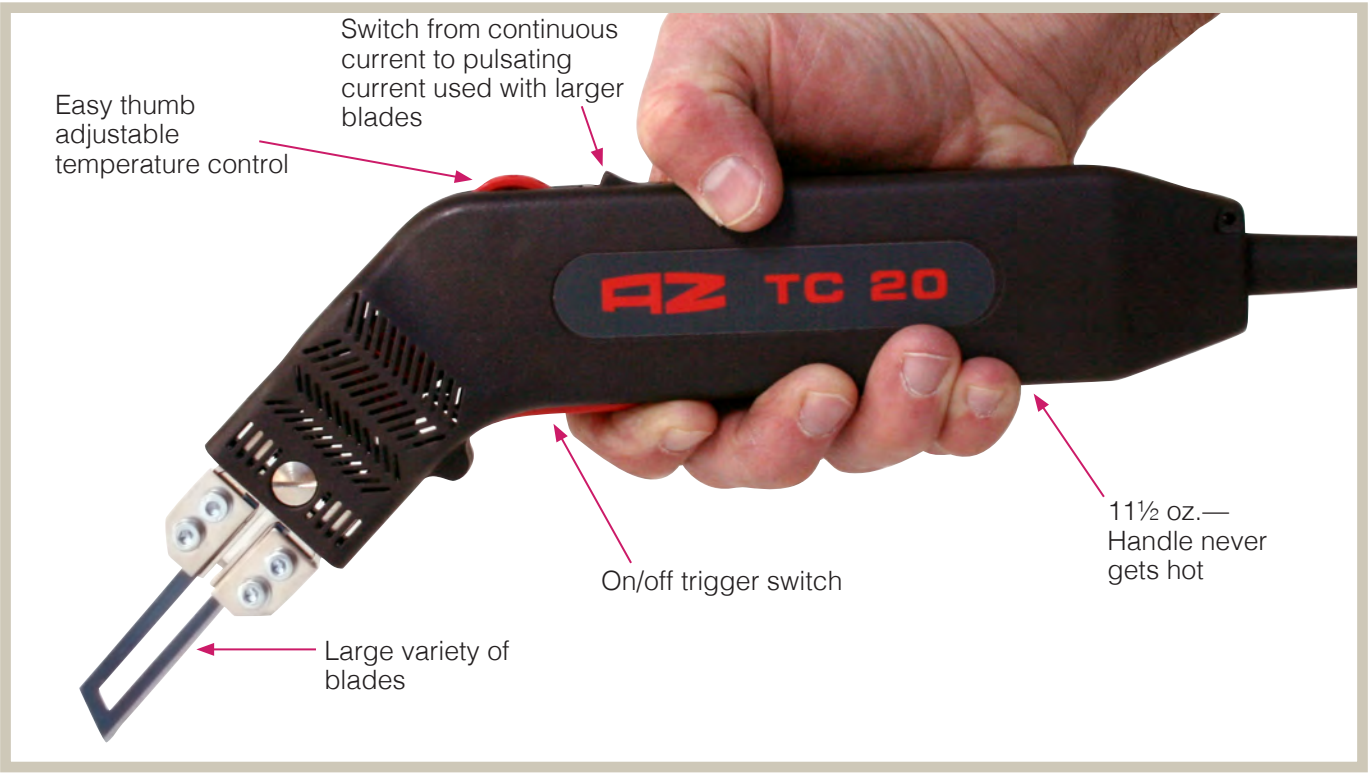
The Heat Knife Carrier is safe to use. The heating mechanism is activated only when the spring-loaded trigger is depressed by a center post. As soon as it is released, the heating element automatically turns off. A left production stop also reduces contact between the warm blade and nearby materials.

Thermo-Straight Cutter

Item#	Cut Size	Overall Size
61725A	36"	46.5"L x 13"W
61727A	75"	85.75"L x 13"W
61729A	115"	125"L x 13"W
T013-45	Replacement Blade	

AZTC-20 Thermocutter

Our Popular 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 11.5 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

Comes with one T-3 Blade and Handy Tool Stand

Also available in 240-volts

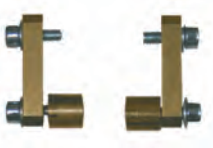
Cutting Accessories for Thermocutters

TFoot

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

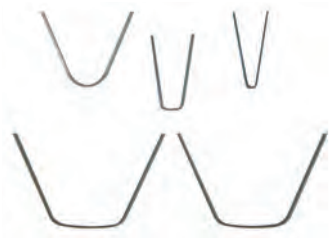
A new cutting foot accessory for the AZTC-20 Thermocutter is now available.

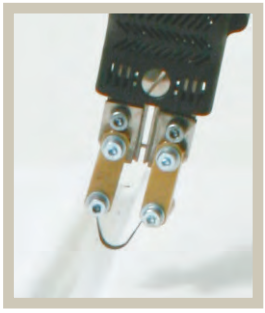
This cutting foot is used to prevent damage to your cutting surface while cutting synthetic fabrics and thin plastics.



Adapter

Groove Adapter





Tfoot cutting foot accessory

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.

Groove Adapter for Thermocutters
P150 Groove Adapter

Convert your Thermocutter with an adapter for cutting grooves in styrofoams, etc. Fits AZTC-20, ZETZ-24, and ZETZ-25 thermocutters and holds all the thermogroover blades on page 7.

See pages 5-6 for blades selection and suggested uses.

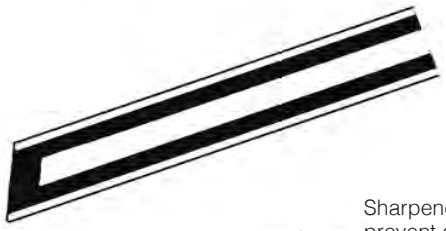
Thermocutter Blades

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. **Stainless Steel Blades available for longer blade life!**

Number	Thickness	Cutting Edge	Price
T3-15P	0.6 mm	15 mm	6/$61.35
T3-30P	0.6 mm	30 mm	6/$61.35
T3-50P	0.6 mm	50 mm	6/$61.35
T3-90P	0.6 mm	90 mm	2/$21.75
T3-125P	0.6 mm	125 mm	2/$21.75
T3-50SS	0.6 mm	50 mm (SS)	$32.00 ea

(SS = Stainless Steel)

Standard blade used for many simple cutting applications.



T2-50P	0.6 mm	50 mm	6/$67.20
T2-100P	0.6 mm	100 mm	2/$25.00
T2-150P	0.6 mm	150 mm	2/$25.00
T2-200P	0.6 mm	200 mm	2/$28.35

Sharpened on two sides to prevent distortion, allows cutting in two directions. Ideal for cutting foam.

T11-15P	0.6 mm	15 mm	6/$69.85
T11-30P	0.6 mm	30 mm	6/$69.85
T11-30SS	0.6 mm	30 mm (SS)	$32.00 ea

With angled cutting edge and parrot's beak to serve as guide hook.

T015-0-6P	0.6 mm	35 mm	$16.15/ea
T015-0-8P	0.8 mm	35 mm	$16.95/ea
T015-1-0P	1.0 mm	35 mm	$18.15/ea
T015-0-6SS	0.6 mm	35 mm (SS)	$39.00/ea

Spade shaped to be held vertically. Suitable for mounting installations.

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

Number	Thickness	Cutting Edge	Price
T01	0.6 mm	6 mm	$16.20/ea
T02	0.8 mm	12 mm	$16.20/ea
T02S0	1.0 mm	12 mm	$23.00/ea

With Glide Hook Hooks into material and glides along cutting base. **No. T02S0** is offset at 90° angle.

T04	0.6 mm	15 mm	$16.20/ea

With short, obtuse angled cutting edges, both sides ground.

T05	0.6 mm	35 mm	$16.20/ea

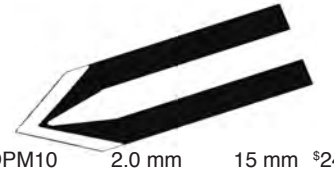
With wide blade back and reinforced cutting flange for stable cutting. This high temperature blade is designed for heat sealing the cut edges.

T011-0-6	0.6 mm	10 mm	$16.20/ea
T011-0-8	0.8 mm	10 mm	$16.95/ea

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.

T012-0-6	0.6 mm	35 mm	$17.60/ea
T012-0-8	0.8 mm	35 mm	$17.60/ea
T012-1-0	1.0 mm	35 mm	$18.95/ea
T012-0-6SS	0.6 mm	35 mm(SS)	$39.00/ea

With long pointed blade flanges, ground both sides for two-directional cuts. For cutting around templates. Also suitable for deburring.



DPM10	2.0 mm	15 mm	$24.55/ea

Used for sheet plastics, asphalt roofing paper, roll stock and any high-heat application. **Not designed for continuous use. ZETZ-24 only.**

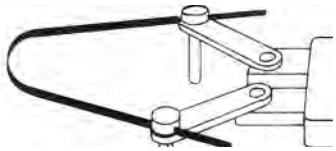
Number	Thickness	Cutting Edge	Price
			
T06	0.6 mm	3 mm	14^{20}/ea
T06-2-0	2.0 mm	3 mm	27^{75}/ea

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

Cutting Sling

T150-2P 61^{50}/ea

T151P Thickness .05 mm
Blade Length 15 cm 10/42^{00}



Cutting Width
AZ106 16-22 mm
Cutting Depth
16 mm 20/28^{00}

Cutting Sling T150-2P 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.

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^{90}/ea
T013-70	1.0 mm	70 mm	29^{90}/ea
T013-70-1.5	1.5 mm	70 mm	55^{00}/ea
T013-70-2.0	2.0 mm	70 mm	60^{50}/ea
T013-115	1.0 mm	115 mm	38^{95}/ea
T013-45SS	0.8 mm	45 mm (SS)	39^{00}/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^{30}/ea
T08-75	0.8 mm	75 mm	23^{50}/ea
T08-100	0.8 mm	100 mm	25^{60}/ea
T08-120	0.8 mm	120 mm	26^{30}/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-24/25 only (Not AZTC-20).**

Number	Thickness	Cutting Edge	Price
			
ATS10	0.8 mm	10 mm	63^{00}/ea
ATS18	1.0 mm	18 mm	75^{00}/ea

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

TS30	1.0 mm	30 mm	25^{30}/ea
TS30SB45	1.0 mm	45 mm	67^{00}/ea
TS30SB60	1.0 mm	60 mm	69^{00}/ea

Heavy duty blade designed for removing plastic/rubber linings inside storage tanks. Scoop design with 3/8" sides on TS30 only.
For use with ZETZ-24 only.

DT50	1.0 mm	50 mm	23^{75}/ea
DT100	1.0 mm	100 mm	26^{20}/ea
DT150	1.0 mm	150 mm	45^{25}/ea
DT200	1.0 mm	200 mm	78^{45}/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.

T10	1.0 mm	10 mm	24^{75}/ea
T15	1.0 mm	15 mm	24^{75}/ea
T30	1.0 mm	30 mm	24^{75}/ea

FOR USE WITH ZETZ-24 ONLY

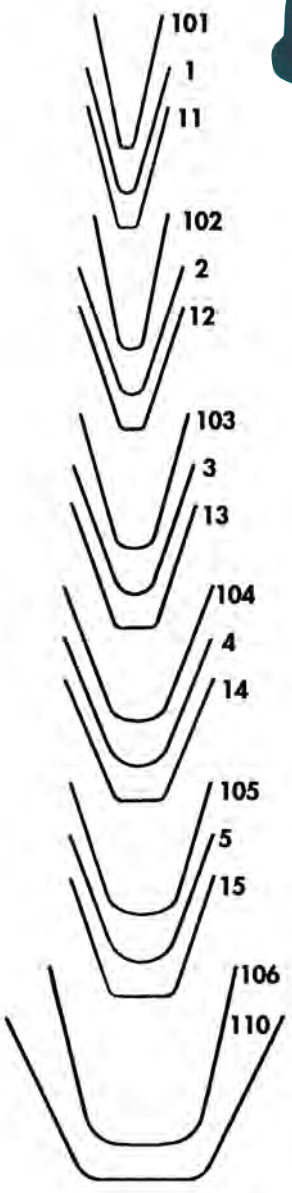
Blades are designed for rapid heating to maximum temperature. The entire cutting edge must be used in the material to obtain full benefit of the heat and to maximize cutting efficiency. Blades are available in 5 cutting lengths and should be chosen according to thickness of material.

Thermo-Groovers

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

KZ10

KZ6



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.
- 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

Choice of Round, Wedge, or V-Shaped Blades

Cuts V-shaped No.	Round No.	Wedge No.	Cutting Width	Cutting Depth
AZ101	**AZ1**	**AZ11**	2- 4 mm	7 mm
AZ102	**AZ2**	**AZ12**	4- 6 mm	8 mm
AZ103	**AZ3**	**AZ13**	6- 8 mm	10 mm
AZ104	**AZ4**	**AZ14**	8-10 mm	14 mm
AZ105	**AZ5**	**AZ15**	10-14 mm	16 mm
AZ106			16-22 mm	16 mm
AZ110			22-28 mm	16 mm

Model KZ-10	**Thermo-Groover** (Including Controller, Handle & Cord)
Model KZ-10H	**Thermo-Groover Handle w/Cord** (only for use on ZETZ-24 Base Unit)
Model KZ-6	**Thermo-Groover** (with internal controls)

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