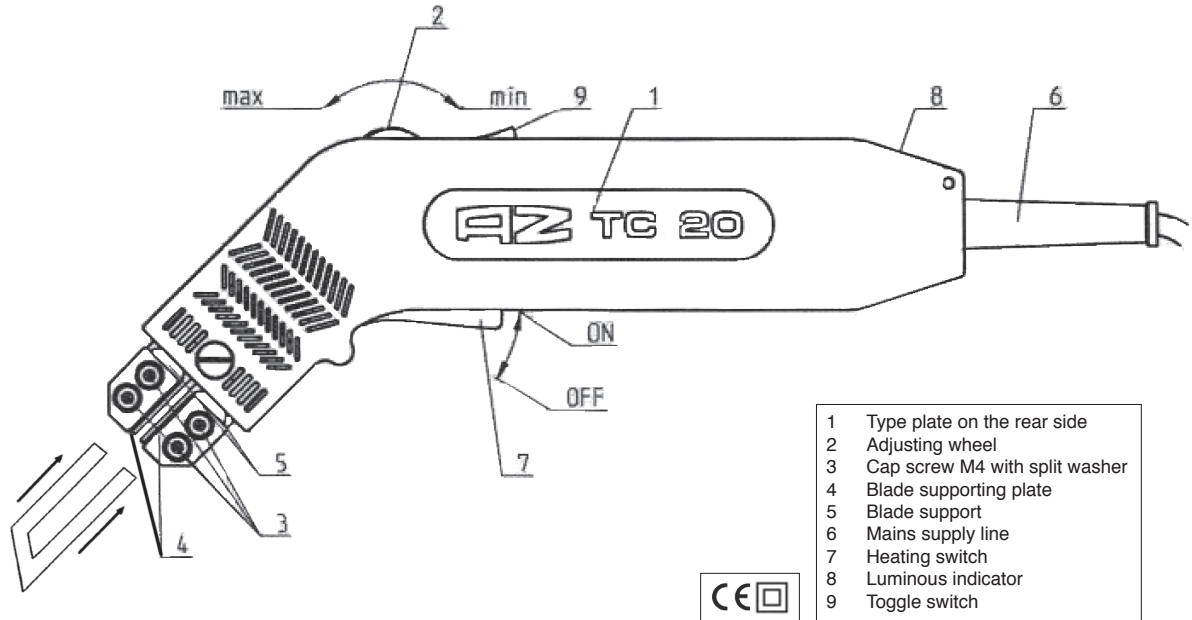




# ABBEON CAL, INC.

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1363 DONLON STREET UNIT 1, VENTURA CA 93003-8387



## Start-up and operation

- Please consider supply voltage! Please refer to the information given on the type plate [1]
- Turn adjusting wheel [2] to the lowest position.
- Release the four screws [3] of the blade supporting plates [4] at the blade support [5] by using the enclosed hexagon screwdriver, but do not completely unscrew them.
- Insert the thermocutter blade (see figure) into the slot between the holders. This is facilitated by turning the left hand side of the thermocutter downwards, so that the blade supporting plates are slightly lowered.
- Tighten the screws again.
- Only now connect to the power supply. Always unplug to change blades.
- Press heating switch [7].
- Turn the thermocutter blade towards the work piece and slowly set higher position [2] of the adjusting wheel. The red light [8] starts to flash, the intensity of the light increases simultaneously with the increasing thermocutter capacity.
- Toggle switch [9] is required for larger blades. Operate the switch [9] if red light [8] flashes !
- Do not make the thermocutter blade glow red. Tighten screws after the blade head has been heated up during operation.
- Regularly clean the blade contact surfaces with the enclosed steel brush, in order to ensure a good contact between the thermocutter blade and the blade support.
- Disconnect the power supply for blade replacement.
- The thermocutter automatically stops before a thermal overload occurs. The red light is extinguished. Work can be continued as soon as the thermocutter has cooled down.
- Opening of the thermocutter housing is prohibited. Interventions of unauthorized persons result in the loss of any warranty claims.
- Avoid a direct short-circuit between the two blade supports (5). Do not use metal rulers for blade guides.

## Technical Data

Type	Voltage	Capacity	Frequency	Power max.	Fuse	Regulating steps	Weight 3.5m cable	Protection class
TC20-115	115 V	150 W	50/60 Hz	1.3 A	MT 1.6	Manually adjustable	0.56 kg	IP 30
TC20-230	230 V			0.65 A	MT 1.0		0.50 kg	

# Thermocutter TC 20 – Instructions for Use

## Safety Instructions



**WARNING: Non compliance with the present safety instructions may lead to fire, explosions, electric shock or burnings** during work with the thermocutter. Read the operating instructions before use and always strictly observe the safety instructions. Keep the operating instructions with the device and hand these instructions over to any operator who is not yet familiar with operation of the device.



**WARNING: A damaged device housing or an open device may cause a mortal electric shock.** Do not open the device and do not connect a damaged device to the power supply. Do not drill any holes into the housing, for example for fixing a nameplate. Disconnect the power supply connecting plug prior to any work on the device.



**WARNING: A damaged connecting cable may cause a mortal electric shock.** Inspect the connecting cable regularly. Do not connect the device when the connecting cable is damaged. Only specialists are authorized to carry out the necessary replacements. Do not wind the cable around the device and protect it against oil, heat and sharp edges. Do not use the cable for carrying the device and do not use it for pulling the plug out of the socket.



**WARNING: Do not work when it is raining or in moist or wet environments. This may cause a mortal electric shock.** Take care that the thermocutter is protected against moisture and keep it in a dry place. Connect thermocutters used at the outside via a residual current protective switch. Do not heat up any liquids.



**WARNING: Risk of explosion! Hot or incandescent thermocutters may cause explosions of burnable liquids and gases. Do not work in environments bearing a risk of explosion.** Do not work in the vicinity of fuels or gas tanks, even if they are empty.



**WARNING: Fire hazard! The use of the thermocutter with synthetic materials, rubber, paints or similar materials may release gases susceptible to ignite and to explode.** Be aware of the risk of open fire and always have appropriate fire extinguishing means at your disposal. Lay the thermocutter and hot blades into a fireproof substrate only.



**WARNING: Danger of intoxication! The use of the thermocutter with synthetic materials, rubbers, paints or similar materials releases gases that are in most cases aggressive or toxic.** Avoid breathing-in of vapors, even if they are generally recognized as safe. Please also consider possible dangers for your colleagues. Use suitable respiratory equipment, or preferably install the necessary air exhaust equipment.



**WARNING: Danger of injury! Touching of the hot thermocutter blade or of the cutter head burns your skin.** Keep away children and other persons from the device. Keep the thermocutter in a place inaccessible for children.



**CAUTION: Danger of overheating! Incorrect handling may damage the device.** The inside of the thermocutter contains protective equipment against overheating. Inappropriate use of the thermocutter and especially the use of unsuitable blades will result in damages. Locking of the on/off actuator is prohibited when the thermocutter is in the ON position!! As far as possible, the blades used must be mounted and positioned in a way to ensure that the heated parts of the blade do not come out the cutting material.



**Raw material recycling instead of waste disposal.** The thermocutter itself, as well as its accessories and the packaging material must be recycled in order to protect our environment and according to the local regulations in your country. We also take back old thermocutters. The thermocutter is in conformity with the RoHS guideline (guideline for the restriction of certain hazardous substances).

## Appropriate Use

This thermocutter has been designed for cutting of thermoplastic material. The corresponding safety instructions must be observed. Exclusively use only original accessories and thermocutter blades authorized for use with this device.

Users (children included) with limited physical, sensory or mental capability must not use this unit. Furthermore persons with minor experience and/or knowledge must not use this unit.

These persons may handle this unit only if supervised by a person who is responsible for their safety or will be advised in proper usage. Children must be supervised to ensure that they do not play with this unit.

## Warranty

In conformity with our general terms and conditions, we grant a warranty period of 12 months as of the date of delivery in case of manufacturing or material errors. Please return the thermocutter to us in its original packaging accompanied by the invoice. Inappropriate operation of the thermocutter and the use of materials (blades) not of our supply will exclude any warranty