

## INSTRUCTIONS FOR USE THERMAL WIRE STRIPPING - BDT3A & BDT3 TS



*FTM Technologies thanks you for buying our thermal stripper.*

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## 1. CAUTIONS FOR USE

This device is not intended for use by persons (including children) with physical, sensory or mental disability, or lack of experience or knowledge. Children should be supervised to ensure they do not play with the device.

## 2. PRODUCT DESCRIPTION

The thermal stripper is composed of two parts :

### Power units



#### BDT3A

##### Technical data

Reference	L x W x H	Power	Weight kg
BDT3A	250 x 95 x 100 mm	80 W	3,3

The carter is made of blue painted steel sheet 15/10th.  
Mains supply: 230 V 50 Hz.



#### BDT3 TS

##### Technical data

Reference	L x W x H	Power	Weight kg
BDT3 TS	220 x 95 x 100 mm	150 W	1,5

BDT3 TS power unit is made of stainless steel 15/10th  
Mains supply : 110 to 230 V  
50 to 60 Hz

### Types of pliers :

PC3NC  
Standard plier



PC3/5C  
Constant pressure plier



PC4NC  
Plier for large diameter cable



They are connected to the control box through a fast connector.  
Length of the connection cable is 1,05 m.

### Choice of electrodes

The electrodes will be chosen according to the diameter of the wire and to the nature of insulation being stripped.

Reference	Designation	Tightening of electrodes screws	AWG
EDT2P	Flat wire electrodes	32 Ncm	8 to 28
EEDT2	Flat wire electrodes with notch	32 Ncm	8 to 28
EEDT4	Flat wire electrodes with double notch	32 Ncm	8 to 36
EDT2PA/U	Flat wire electrodes for large section	56 Ncm	< 8
TEDT2	Sheet metal electrodes with notch	32 Ncm	8 to 28
EG182022	Gauge electrodes	∅	18, 20, 22

## 3. SAFETY INSTRUCTIONS

- Avoid putting the electrodes in contact with easily flammable parts.
- Do not touch the electrodes with the fingers (possibility of serious burns).
- Do not put out the plier from the connector/control box, without having taken care of disconnecting the cord of power supply.

## 4. INSTALLATION

- 1 - Put the control box on a plane and horizontal surface.
- 2 - Connect the clamp to the control box, this by simple twisting, the metal ring must swivel clockwise, then in the opposite direction, this until hearing small click. Ensure of its good connection while drawing slightly on the connector.
- 3 - Check that the length of the electric cord is compatible with the distance from the Block to the mains supply.
- 4 - Check that this mains supply has AC current single-phase current with ground 230V ; 50 Hz. BDT3 TS allows any type of mains supply 110 – 230 V ; 50 – 60 Hz. It must be protected by a fuse from maximum 6 A.

## 5. STARTING

- Check that the switch is in position 0.
- Connect the socket to mains supply.
- Check that the control knob of the temperature is in position minimum or LCD displays zero.



- An overshoot heating could happen at first time. The heating switches off when you remove your finger from the sensitive button.
- During operation, it is better to await a period of 3 seconds between 2 strippings.
- Adjust the length of stripping (if need be) with the celoron stop.
- Adjust the minimum spacing of the electrodes using the 2 nylon screws on both sides of the grip (this in order not to harm the core of the cable, and avoid the electrodes to touch each other) : PC3NC, PC3/5C and PC4NC.
- Engage the switch.
- Adjust the heating temperature according to the nature of the cable sheath.
- The stripping of the cable can be carried out, (avoid turning around the cable with the clamp closed). Proceed in 2 stages : make a first heating and a second one after having made 1/4 of turn.

## Turning off

Stop heating, put the switch on position 0 on the control box.

If non used for a significant time, disconnect the mains cord.

## Indicative temperature chart

The temperature reached will depend on the type of electrodes used. The chart below is made for new type EEDT2 electrodes. These values are indicative and it will be necessary to carry out a preliminary test.

Graduation BDT3A	Graduation BDT3 TS	Stabilized temperature °C	Insulation
	10	70	
	20	130	PE, PVC
1	30	250	Nylon, Kynar
2	40	350	Tefzel, Silicone
4	50	450	PTFE
5	60	520	PTFE
6	70	600	PTFE
8	80	700	Kapton
10	90	780	Kapton
	100	880	Kapton

## 6. MAINTENANCE

**CAUTION** : Before any intervention, withdraw the electric cord of the mains supply.

**Power unit** : Wipe with a dry rag.

**Plier** : Change the electrodes regularly.

Brush with a metal brush the head of the plier (where the electrodes are fixed).

Tightening of electrodes must be done with recommended couple (see typical value).

If the electrodes temperature is wrong look first at the electrodes tightening.  
Periodically take a look to electrical contacts to reduce electric trouble.

## Temperature choice

The temperature of use depends on the section and the insulation which has to be stripped.

Tests need to be carried out as a preliminary.

## Setting the maximum temperature (for BDT3 TS only)

Press the « + » button while switching on the device, the display will show « MAX ». Adjust the level to the desired maximum and press the contact button of the plier to confirm. Switch off the device. Your tehrmostripper will not go above the indicated maximum.

## Spare parts (recommended stock)

- Fuse 2 A : Quantity 2
- Electrodes (according to model employed) : Quantity 10 pairs.

Cord replacement : If the power cord is damaged, it must be replaced by the manufacturer, its after-sales service or similarly qualified persons to avoid danger.

## 7. WARRANTY

All sets are guaranteed 1 year (material and workmanship) as long as you use this product in accordance to its purpose and the instructions for use.

To apply this warranty, we ask you to send us a photocopy of the original invoice specifying the purchase date.

Warranty exclusions :

- Modification or alteration of the present document.
- Unidentifiable product type and/or series number.
- Damage caused by causes independent of the device, such as lighting, fire, water damage or negligence.
- Interventions on the product made by an unauthorized person.
- Modification or adaptation of the product.

This warranty does not cover wear of accessories and spare parts (normal consumption).

For any information, contact :

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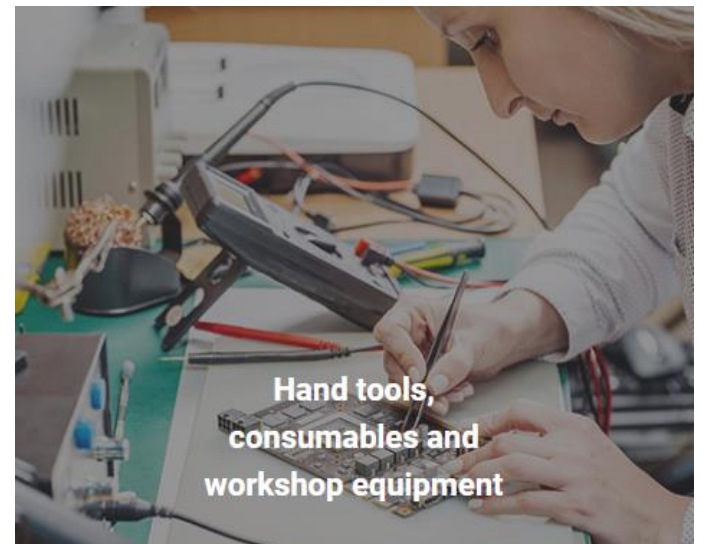
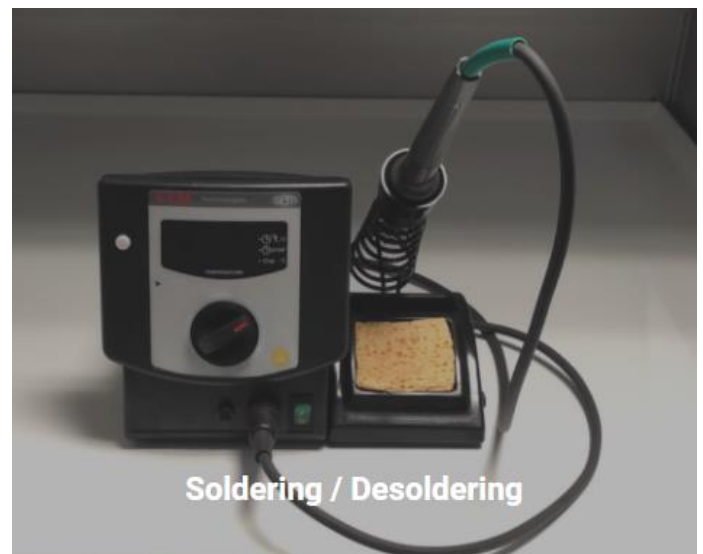
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Our know-how has been with you for more than 100 years.

We serve more than a thousand companies every year in all sectors and allow them to have work tools adapted to their activity.

We offer standard solutions or design tailor-made projects adapted to the environments and issues of our customers.

Our area of expertise covers 4 main categories of products:



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