

## USER MANUAL



**AUTOMATIC WIRE STRIPING  
CUM TWISTING MACHINE**  
(MODEL : AWZ – 460)\_

## INTRODUCTION

This Automatic Wire Stripping cum Twisting machine is a compact size motor driven machine designed to strip multistrand and hook up wire from 1 mm to 4 mm diameter, upto strip length of 5 mm to 15 mm, with easy adjustments.

It is recommended that you read the safety and operating instructions before using the machine.

## START UP PROCEDURE

- 1.1. Plug in the mains chord and switch on the machine. Allow the chuck to attain the maximum speed.

- 1.2. Select a wire as per the collet (Part No. 3/Fig.1) and holding the wire firmly push it through the hole provided in it.
- 1.3. Stop pushing in, the wire when you feel the wire being obstructed by the stopper (Part No. 4/Fig.1).
- 1.4. Holding the wire firmly, gently pull it back.
- 1.5. Check for a properly stripped and twisted end.

## ADJUSTMENTS

### Stripping Length.

- 2.1 Loosen the two set screws on the stopper and push the stopper –
  - a) Forward (Towards the collet) to Decrease length.
  - b) Backward (Away from the collet) to Increase Length.
- 2.2 Tighten the setscrews firmly.

**NOTE: Ensure that the Stopper is tightened properly to avoid accidents.**

### WIRE SIZE (DIAMETER)

- 3.1 For changing to another wire size switch off the machine allow the chuck to stop.
- 3.2 Select a collet appropriate for the new wire.
- 3.3 Loosen set screw (Part No.6/Fig.2) and remove the existing collect from the disc (Part No.2/Fig.1) by pushing the collet out from within the chuck (Part No.1/Fig.1)
- 3.4 Now insert the new collect into the disc. Take care that the alignment of the collect is such that the flat portion of the collet is parallel to the edge of the stripping tool (Part No.3/Fig.2) also refer to Fit.3.
- 3.5 Tighten the set screw (Part No.6/Fig.2).
- 3.6 Switch on the machine and perform the operation and check the results.

## ADJUSTMENTS TO BE CARRIED OUT AS AND ONLY WHEN REQUIRED:

### On changing collet, the wire doesn't strip.

- 4.1 Ensure that the collet selected is; proper if ok then proceed as follows.
- 4.2 With the machine OFF insert the particular wire into the collet and then pull back the wire so that the tool gets engaged with it.
- 4.3 Loosen the Allen screw (Part No.7/Fig.2) and press the tool holder against the wire slightly and tighten the Allen screw.
- 4.4 Switch on the machine and pull the wire out.
- 4.5 Try another wire and check the results. If not satisfactory then carry out the above procedure again.

### The tool nicks the core of the wire.

- 5.1 Carry out the procedure as in 4.2.
- 5.2 Loosen the Allen screw and lift the tool holder slightly and check the results.

**NOTE: While changing the collets or adjusting the tool, see that the alignment is done correctly refer Fig. A.B. and C.**

## SAFETY INFORMATION

- 6.1 Power Cable: Do not pull the plug by the cable when disconnecting from main Power supply. After carrying out any adjustment ensure that the screw is tightened properly to avoid accidents.

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