

High Speed Wire Cutting, Stripping & Twisting machine 'RAE-Ser-1' + T

- This is basically a RAE-Ser-1 machine with twisting attachment.
- Machine for twisting of PVC insulated copper wires (0.3 sq. mm to 1.5 Sq. mm)
- Can twist on single or both sides.
- Twist length upto 9 mm
- Performance is dependent on the tightness of PVC insulation on copper and general quality of wire.
- Upto 2 wires can be processed simultaneously.



High Speed Wire Cutting & Stripping machine 'RAE-Ser-1+T'

Salient Feature :-

- Machine controlled with PLC.
- touch panel display having easy to use graphic interface
- Fully automatic machine. Setting is completely digitized and mostly automatic.
- Machines for both side stripping. (Can also do single side stripping and also only cutting).
- Machine can be used for only cutting & Stripping only for normal round wires. (PVC insulated copper wires of upto 6 sq. mm)

Performance Range

Wire Cross Section	0.5 to 1.5 mm ² for twisting. 0.5 to 6 mm ² for cutting & stripping (Contact us for sizes outside this range)
Length Selection	Standard range: 70 mm to 9 meters, in steps of 1mm; Range can be extended to get 20mm to 25 meters
Accuracy	+/- 0.2% (min. +/-1.5 mm)
End Stripping & twisting	Between 3 to 9 mm
Multiple Wire Processing	Can process 2 wires at a time
Wire Types	Single core with multiple strands.
Max. Outside Diameter	2.5 mm for twisting 6 mm for cutting stripping
Changeover setting time	3 to 5 min. typically.

Technical Data

Machine Housing	Machine housed in "Industrial" frame with Aluminium Profiles. A separate attachment for twisting.
Mechanical system	Rugged machine with precision mechanical system. Twisting unit fitted to main machine
Electronic System	PLC and Drive
Wire feed system	2 Servo motors with 4 feed rollers, variable speed
Cutting & Stripping system	V blade pair with Servo motor, variable speed and PLC controlled strokes
Twisting System	One Servo Motor with too & fro oscillating motion
Length Measurement system	Directly by Servo motor control
Power	220V / 50 Hz, other options upon request
Compressed air	5 to 7 bar, 70 to100 psi, 40 lpm (less than 0.5 hp)
Dimension	500mm X 620mm X 335mm(h)

Production Speed : Processing speed between 3000 to 4500 wires per hour (with two wires at a time processed simultaneously. Speed between 1500 to 2300 with one wire

Voltage Servo-stabilizer (2 KVA) or CVT (1 KVA) is must, to be arranged by you. Proper earthing is essential.