

^ SLEEVING · WINDING · TAPING

PME-8101 TUWT

MODELS

8101

8102

8103

A one-spindle machine that sleeves, winds and tapes in one automatic cycle, for single, double and multi-strand wire. Run it on its own or link several units into a line.

10,000 rpm

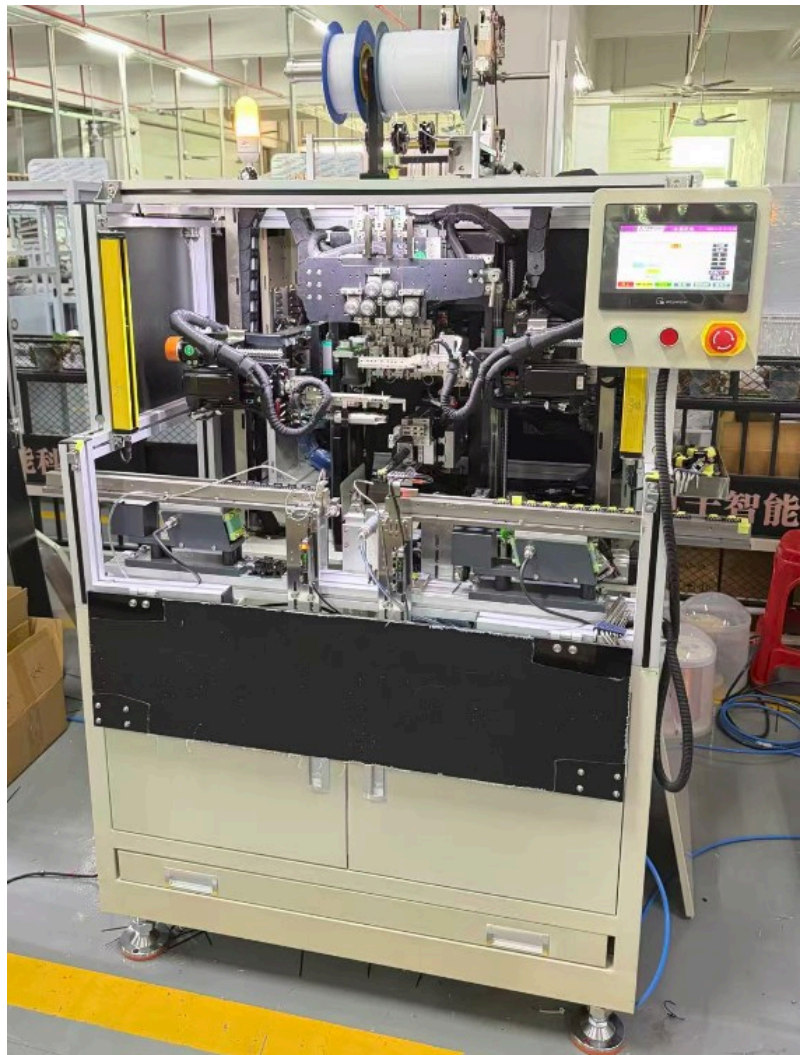
MAX. WINDING SPEED

0.12-0.80 mm

WIRE RANGE

±0.1°SPINDLE STOP
ACCURACY**0.01** mm

AXIS PRECISION



KEY FEATURES

^ Sleeve, wind and tape in one cycle

Auto tube sleeving in one or two colors, followed by winding and taping.

^ CW and CCW winding

Switch freely between CW and CCW winding, with a press L-bend angle process.

^ Flying leads and anchoring

Also processes flying leads, wire anchoring and cross-over taping.

^ Touch-panel HMI

Program on the touch panel; technicians can modify or write programs on the HMI.

^ Three wire sizes, auto switching

Three individual tube and wire feeding mechanisms switch between wire sizes automatically.

^ Double taping mechanism

Applies marginal or side tape and switches simply between CW and CCW taping.

^ Precision motion

Silent high-precision guide rails and ground ball screws for accuracy, speed and output.

^ Heavy cast-iron body

The main body of the machine is heavy cast iron for stability in operation.

SPECIFICATIONS

MODEL PME-8101TUWT			
Spindles	1	Spindle pitch	Free
Wire range	0.12–0.80 mm	Stop accuracy	±0.1° (spindle)
Axis precision	0.01 mm	Anchoring angle	Std 0°–180°
Nozzle travel	A: 80, Z: 80 mm	Air pressure	4–6 kgf/cm ²
Power	AC 220 V, 50 Hz	Machine weight	750 kg
Winding speed	Std 3,000 rpm; max 10,000 rpm		
Dimensions	L1,260 × W1,400 × H1,900 mm		
Productivity	280–500 pcs (depends on process specs)		
Main servo motors	400 W on X, Y, Z, S, X1, Y1, C, X2, Y2 and D · 750 W on Z1 and Z2		
Optional devices	Twin sleeving (2 colors) · Marginal side taping · Auto loading and unloading system		

Specifications and design are subject to change without notice.

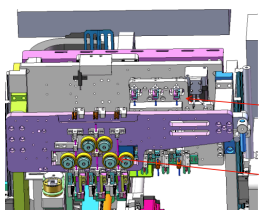
STANDARD CONFIGURATION

Winding fixture (mandrel)	1 set
Taping unit	1 set
Sleeving device, fixture and nozzle	1 set
Linear vibratory feeder	1 set
Loading and unloading fixture	1 set
Tensioner (400 g / 800 g)	1 pc
Nozzle	1 set
Pneumatic cutter	1 set

MAIN COMPONENTS

Servo motor and driver	Inovance
Stepper motor	MOONS
Cylinder	AirTac (Taiwan)
Ball screw (main)	TBI (Taiwan)
Slideway (main)	Saju
Touch HMI	WeinView
Magnetic switch	Huanxing
Sensor	Yite
Tensioner	Trophy
Bearing	Gates
Pneumatic solenoid valves and filters	EMC

THREE WIRE SIZES, AUTO SWITCHING



- 1 Three individual tube feeding mechanisms
- 2 Three individual wire feeding mechanisms

STANDALONE OR IN A LINE



Bowl feeder → N1 → N2 → N3. Each station inserts the tube, winds and tapes.