



CNC MULTI SPINDLE WINDING MACHINES

Acme Mechatronics offers Multi Spindle Coil Winding Machines from 4 to 32 spindles along with automation machines for coil production from Teeming Machinery having over 35 years of experience.

Other Product Offered Are

- Pin Insertion Machines
- Soldering Machine
- Taping Machine
- Motor Coil Winding Machine
- Rotor Winding Machine
- Coil Production line
- Assembly Line
- Automatic Needle Machine
- Automatic Toroid Winding Machine

SOLDERING MACHINE :

EDT-6 6 STATION SOLDER MACHINE



EDT-8 8 STATION SOLDER MACHINE

PIN INSERTION MACHINE:

IP-08 SEMI-AUTOMATIC PIN INSERTION MACHINE

AIP-02 PIN CHAMFER CUM INSERTION MACHINE



CYCLE :

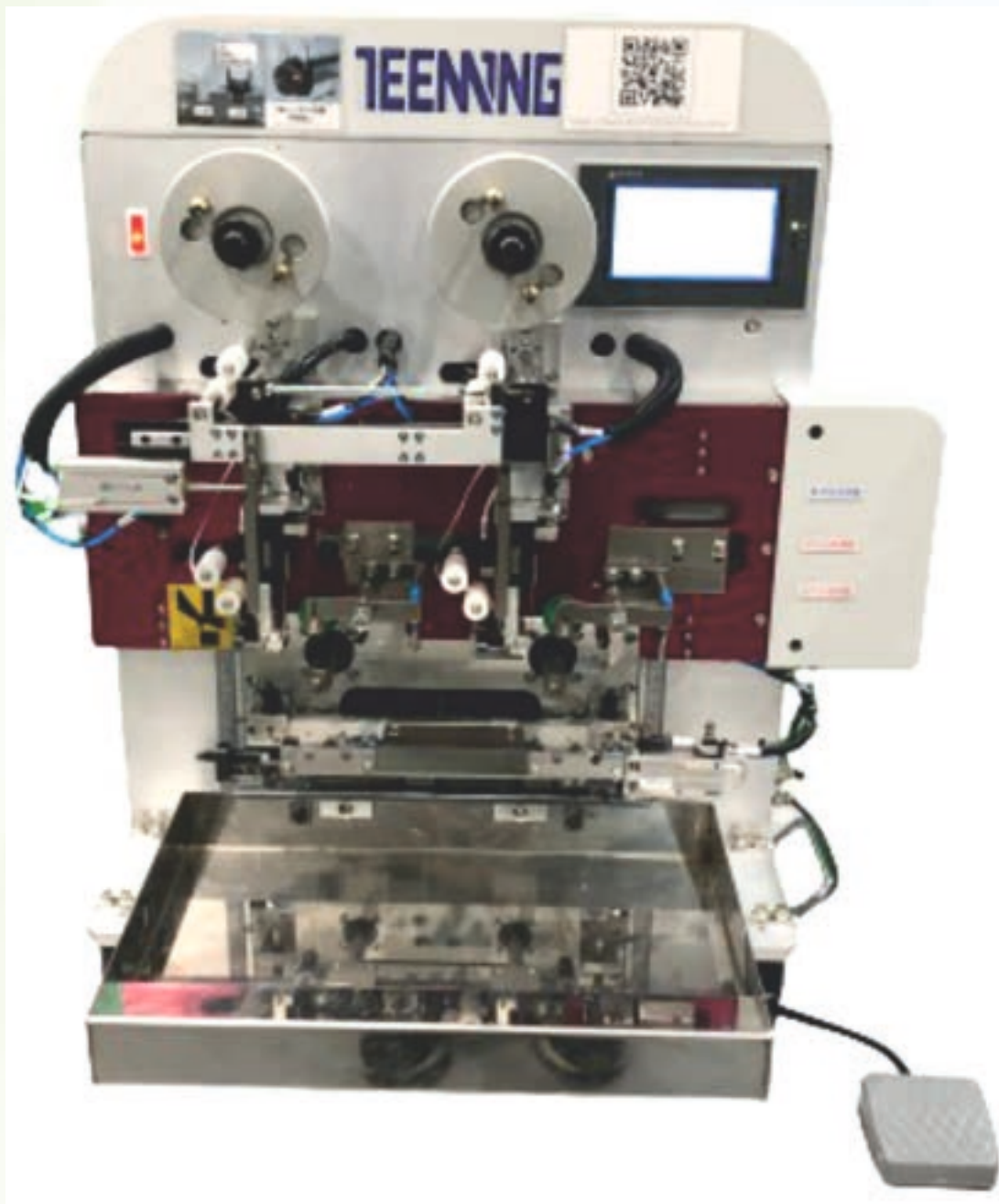
- Load-Flux-Solder-bend pin-Test-Unload

SPECIFICATIONS :

MODEL	EDT-06	EDT-08	MODEL	IP-08	AIP-02
Station	6	8	Pin diameter(mm)	0.3-1.2	0.4-0.5
Flux/Solder Control	Automatic	Automatic	Pin Length(mm)	35	30
Spindle Way Accuracy	+/- 0.02mm	+/- 0.02mm	Pin type	Round/Flat/Square	Square
Bobbin Quantity (Pcs.)	4	2	Pin Insert(Qty.)	10 Pins	2 Pins
Production(per hr.)	120/hr.	164/hr	Cycle Time	2.8sec/2 pcs.	2.5 sec/pc.

TAPPING MACHINE :

TM-1602 TAPPING MACHINE



SPECIFICATIONS :

Model	TM-1602	TM-1604
No. of Spindle	2	4
Tape Roller Outer Diameter	Min. :50mm, Max.:130mm	Min.: 50mm, Max.:130mm
Tape Width	Min.: 4mm, Max.:25mm	Min.: 4mm, Max.:25mm
Rotating Diameter	Max.:50mm	Max.:50mm
Machine Dimension	590x450x600mm	950x450x600mm

TAPPING MACHINE :

TM-F3502 MOTOR WINDING MACHINE EXTERNAL POLE)



SPECIFICATIONS :

MODEL	TM-M2502	TM-M2504	MODEL	TM-F3502
Drive Spindle	2-Axes/ 5 Axes	4-Axes/ 7 Axes	Wire Diameter	0.15 to 1.6mm
Spindle Pitch	250mm	250mm	Stator Diameter	200mm(max.)
Wire Diameter(max.)	0.7mm	0.7mm	Stator Slot	4-40
Winding Speed(max.)	420RPM(according to wire diameter and stack height)		Height	10-50mm
Travel Distance(max.)	X=240mm, Y=175mm, Z=140mm		Speed(max.)	10-3000RPM

TM-8006 SIX SPINDLE WINDING MACHINE



TM-1012 TWELVE SPINDLE WINDING MACHINE



Key Features of Machine :

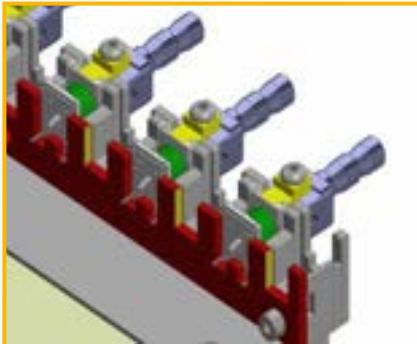
- Windows based user-friendly programming
- Different Spindle Configuration
- Different winding configuration for specific spindles

SPECIFICATIONS :

Model	TM 1302	TM 5004	TMXX06	TMXX08	TMXX10
No. of Spindle	2	4	6	8	12
Wire Range(AWG)	28-48AWG / 0.03-0.3mm				
Spindle Pitch(mm)	130	50	80/ 100	50/80/100/130	36/50/80/100
Bobbin Diagonal(max.)	120	40mm	60/ 80mm	40/60/80/120	26/40/60/80
Winding Width(max.)	95	85mm	95mm	95mm	85/95mm

XX : Various models depending on max. bobbin diagonal size.

OPTIONS PROCESS FOR MULTI SPINDLE WINDING MACHINES:



Options Process For Multi Spindle Winding Machines:



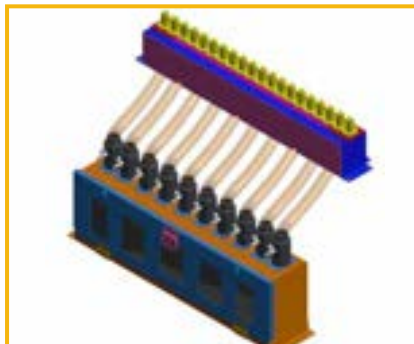
Wire Twister: Wire Twister For Fine Wire Under 0.05mm



Cutter : Cutter For Thick Wire Over 0.28mm Diameter



Taping: Interlayer Taping From 3 To 25mm Tape Width



Air Suction: To Avoid Wire Dross Into Winding



Wire Polish: For Wire 0.2 To 0.7mm To Remove Enamel



Bobbin Support: Reduce To Deform After Winding Or To Hold Special Shape Bobbins



Safety Door: Safety Feature With Custom Designed.



Detension: Reduce Wire Break Or Pin Bent While Wrapping

SPECIFICATIONS :

Model	Tm5012	TMXX16	Tm5020	TMXX24	Tm3632
No. of Spindle	12	16	20	24	32
Wire Range(AWG)	28-48AWG / 0.03-0.3mm				
Spindle Pitch(mm)	36/50/80/100	30/50	50	36/40	36
Bobbin Diagonal(max.)	26/40/60/80mm	20/40mm	40mm	30mm	26
Winding Width(max.)	85/95mm	85mm	85mm	85mm	85

XX : Various models depending on max. bobbin diagonal size.