



**PAN-PIONEER Co., Ltd.**  
**民鋒股份有限公司**  
**SPECIFICATION**

ISO 9001 : 2000



**Name: Eccentric Type Tapping Head**

1.] Main Specification:

1.1.) Model:

MODEL	Tapping Pads				Cable. Dia. (mm)	Max. Speed(Rpm)			Driven Motor (Hp)
	O.D	I.D	Width	Nr		Steel tape	Cu/Al foil	Non- Metal	
NE-60	600	76	70	2	10-80	600	1000	1000	15
NE-80	800	76	100	2	12-120	500	800	800	20

1.2.) Features:

- 1.2.1.) Type: tangential eccentric type helical tapping, two pads per head, with hysteresis brake tension control
- 1.2.2.) Application: for paper, myler, polyester, textile...etc. non-metal sheet and copper, aluminum foil...metal tape tapping. Also available for steel tape tapping with extra heavy tension device by optional order

1.3.) Machine composition:

- 1.3.1.) Tapping head (two pads per head) .....1 set
- 1.3.2.) Driven system .....1 set
- 1.3.3.) PLC tension control.....1 set



1.4.) Remarks:

- 1.4.1.) If the above specification differs from that of the quotation or sales contract, according to the quotation or sales contract.

2.] Detail specifications:

2.1.) Tapping head:

- 2.1.1.) Tangential eccentric type helical tapping, two pads parallel around head body for one or two pads tapping.
- 2.1.2.) Both S & Z direction, tapping pitch is adjustable with AC motor with vector type Inverter. Tapping speed synchronized with the speed of main machine
- 2.1.3.) Brake: Pneumatic disc type, to be fitted on the main shaft



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2.2.) Tape thickness:

- 2.2.1.) Polyester/paper tape: 0.02-0.10mm
- 2.2.2.) Textile tape: 0.15-0.50mm
- 2.2.3.) Copper/aluminum foil: 0.05-0.20mm
- 2.2.4.) Steel tape(option): 0.20-0.50mm

2.3.) Tape tension control:

2.3.1.) Type:

- a.) Hysteresis tension brake, 10kgs Max. tension for copper/aluminum foil & textile tape, 5kgs Max. tension for PE/waterproof tape, with auto tension compensation control
- b.) An auxiliary band type with 15kgs Max. tension by manual tension adjust for steel tape heavy duty tapping by optional order

2.3.2.) Tension compensation: PLC control, just key-in the full pad diameter, tape thickness and desirable tension value, PLC will automatically feedback constant tape tension during full to empty of tape on the pad.

2.3.3.) Tape tension:

- a.) 1.0-5kgs for PE & waterproof tape.
- b.) 2.0-10kgs for textile tape & copper/aluminum foil
- c.) 5.0-25Kgs for steel tape.

2.4.) Tape end alarm:

The PLC will function before tape end comes, give alarm for operator to stop the machine

2.5.) Tape broken detector

Pulse generate type, if pad rotating speed comes less than a pre-setting pulse or stopped in case of tape broken, pulse generator will operate and stop the machine immediately

2.6.) Guide dies:

- 2.6.1.) Inlet side of tapping head complete with guide roller
- 2.6.2.) In front and rear position of tapping tube complete with guide dies.

2.7.) Automatic stop device:

- 2.7.1.) Incase of tape broken
- 2.7.2.) Counter length reached
- 2.7.3.) Safety cover opened





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2.8.) Machine safety house:

2.8.1.) Type: All-in-one type with two door sliding type.

2.8.2.) There are two plastic glass windows on the front side for inside viewing

2.8.3.) A fluorescent lamp is provided inside the cover

2.9.) Transmission:

AC motor + Inverter > timing belt > tapping head. Speed synchronized with main machine

Option: from counter shaft > SZ direction gear box > 1:4 PIV speed variator > tapping head instead of independent motor driven is available by optional order

2.10.) Electric operation panel:

2.10.1.) Power source control

2.10.2.) Ampere/voltage meter

2.10.3.) AC motor Inverter control

2.10.4.) Tape tension indicator

2.10.5.) Tape pitch remote control

2.10.6.) Tapping speed indicator

2.10.7.) Tape broken detector

2.11.) "PLC" control system:

2.11.1.) Type: PLC control system for motor driven type tapping head, or PLC control with MMI operate by option

2.11.2.) For complete tapping line, "MMI" touch monitor is included.

2.11.3.) Application of MMI: Key-in all of the desire data on "MMI" screen, data appears operation situation and faults appear





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**Name: 500mm 2 Heads Metal/Non-Metal Sheet Tapping Line**

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1.] Main specification:

1.1.) Features:

- 1.1.1.) Type: Eccentric type helical tapping, 2 pads/head
- 1.1.2.) Line arrangement: metal sheet & non-metal sheet tapping
- 1.1.3.) Application: Copper, Aluminum tape or paper, myler, polyester non-metal tape helical tapping either for power cable or communication cable. Also available for steel tape armoring with heavy tension control by optional order
- 1.1.4.) Cable size: 60mm Max.
- 1.1.5.) Line speed: 30MPM Max.
- 1.1.6.) Pad size: 500mm/ODx75mm/IDx15-60mm/W.
- 1.1.7.) Tapping speed: 600RPM Max. for copper/aluminum sheet
- 1.1.8.) 800RPM Max. for non-metal sheet
- 1.1.9.) Pay off & take up drum: 1250-2600mm
- 1.1.10.) Haul off caterpillar: 1500Kg belt type
- 1.1.11.) Operation: CCCS (Computer Central Control System).

1.2.) Machine composition:

- 1.2.1.) 2600mm Pay off stand .....1 set
- 1.2.2.) 500mm Tapping head .....2 sets
- 1.2.3.) 1500Kg Haul off caterpillar .....1 set
- 1.2.4.) 2600mm Take up stand .....1 set

1.3.) Remarks:

- 1.3.1.) If the above specification differs from that of the quotation or sales contract, according to the quotation or sales contract.





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2.] Detail specifications:

2.1.) Pay off stand:

2.1.1.) Type: two poles floor traversing type

2.1.2.) Drum size:

a.) 2600mm/OD - 1900mm/AW - 100mm/BD Max.

b.) 1250mm/OD - 950mm/AW - 80mm/BD Min.

2.1.3.) Capacity: 10Tons Max

2.1.4.) Line speed: 30MPM Max.

2.1.5.) Line complete with:

a.) Pay off stand..... 1 set

b.) Driven unit ..... 1 set

2.1.6.) Details as per specification No.PS-PF-00 Model PF-260

2.2.) 500mm tapping head:

2.2.1.) Type: tangential eccentric type helical tapping, two pads per head, with electric tension brake control

2.2.2.) Application:

a.) For paper, myler, polyester, textile..non-metal sheet

b.) For Copper foil, Aluminum foil.

c.) For Steel tape armouring by optional order

2.2.3.) Max. cable dia: 60mm

2.2.4.) Line complete with:

a.) Tapping head..... 1 set

b.) PLC computer control ..... 1 set

2.2.5.) Details as per specification No.PS-NE-00 Model NE-50

2.3.) Haul off caterpillar:

2.3.1.) Type: Up and down belt catching type with multi-pneumatic pressing shoes

2.3.2.) Pulling force: 1500Kg Max.

2.3.3.) Dia. of cable to be drown-off: 15-100mm

2.3.4.) Effective length of tread: 1500mm

2.3.5.) Max. haul off speed: 50MPM Max.





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2.3.6.) Machine composition:

- a.) Haul off caterpillar..... 1 set
- b.) Transmission system..... 1 set
- c.) Length counter..... 1 set

2.3.7.) Details as per specifications No. PS-CB-00 Model CB-150

2.4.) Take up stand:

2.4.1.) Type: two poles floor traversing type

2.4.2.) Drum size:

- a.) 2600mm/OD - 1900mm/AW - 100mm/BD Max.
- b.) 1250mm/OD - 950mm/AW - 80mm/BD Min.

2.4.3.) Capacity: 10Tons Max

2.4.4.) Line speed: 30MPM Max.

2.4.5.) Line complete with:

- a.) Take up stand..... 1 set
- b.) Driven unit ..... 1 set

2.4.6.) Details as per specification No.PS-TF-00 Model TF-260





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**Name: 600mm 2 Heads Metal/Non-Metal Sheet Tapping Line**

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1.] Main specification:

1.1.) Features:

- 1.1.1.) Type: Eccentric type helical tapping, 2 pads/head
- 1.1.2.) Line arrangement: metal sheet & non-metal sheet tapping
- 1.1.3.) Application: Copper, Aluminum tape or paper, myler, polyester non-metal tape helical tapping either for power cable or communication cable. Also available for steel tape armoring with heavy tension control by optional order
- 1.1.4.) Cable size: 100mm Max.
- 1.1.5.) Line speed: 30MPM Max.
- 1.1.6.) Pad size: 600mm/ODx75mm/IDx15-70mm/W. Standard
- 1.1.7.) Tapping speed: 300Rpm Max. for steel tape armoring  
500Rpm Max. for copper/aluminum sheet  
700Rpm Max. for non-metal sheet
- 1.1.8.) Pay off & take up drum: 1250-2600mm
- 1.1.9.) Haul off caterpillar: 1500Kg belt type
- 1.1.10.) Operation: CCCS (Computer Central Control System).

1.2.) Machine composition:

- 1.2.1.) 2600mm Pay off stand ..... 1 set
- 1.2.2.) 600mm Tapping head ..... 2 sets
- 1.2.3.) 1500Kg Haul off caterpillar ..... 1 set
- 1.2.4.) 2600mm Take up stand ..... 1 set

1.3.) Remarks:

- 1.3.1.) If the above specification differs from that of the quotation or sales contract, according to the quotation or sales contract.





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2.] Detail specifications:

2.1.) Pay off stand:

- 2.1.1.) Type: two poles floor traversing type
- 2.1.2.) Drum size:
  - a.) 2600mm/OD - 1900mm/AW - 100mm/BD Max.
  - b.) 1250mm/OD - 950mm/AW - 80mm/BD Min.
- 2.1.3.) Capacity: 10Tons Max
- 2.1.4.) Line speed: 30MPM Max.
- 2.1.5.) Line complete with:
  - a.) Pay off stand..... 1 set
  - b.) Driven unit ..... 1 set
- 2.1.6.) Details as per specification No.PS-PF-00 Model PF-260

2.2.) 600mm tapping head:

- 2.2.1.) Type: tangential eccentric type helical tapping, two pads per head, with electric hysteresis tension brake control
- 2.2.2.) Application:
  - a.) For paper, myler, polyester, textile..non-metal sheet
  - b.) For copper foil, aluminum foil.
  - c.) For steel tape armoring by optional order
- 2.2.3.) Max. cable dia: 100mm
- 2.2.4.) Line complete with:
  - a.) Tapping head..... 1 set
  - b.) PLC computer control ..... 1 set
- 2.2.5.) Details as per specification No.PS-NE-00 Model NE-60

2.3.) Haul off caterpillar:

- 2.3.1.) Type: Up and down belt catching type with multi-pneumatic pressing shoes
- 2.3.2.) Pulling force: 1500Kg Max.
- 2.3.3.) Dia. of cable to be drown-off: 15-100mm
- 2.3.4.) Effective length of tread: 1500mm
- 2.3.5.) Max. haul off speed: 50MPM Max.







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2.3.6.) Machine composition:

- a.) Haul off caterpillar..... 1 set
- b.) Transmission system..... 1 set
- c.) Length counter..... 1 set

2.3.7.) Details as per specifications No. PS-CB-00 Model CB-150

2.4.) Take up stand:

2.4.1.) Type: two poles floor traversing type

2.4.2.) Drum size:

- a.) 2600mm/OD - 1900mm/AW - 100mm/BD Max.
- b.) 1250mm/OD - 950mm/AW - 80mm/BD Min.

2.4.3.) Capacity: 10Tons Max

2.4.4.) Line speed: 30MPM Max.

2.4.5.) Line complete with:

- a.) Take up stand..... 1 set
- b.) Driven unit ..... 1 set





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EQAICC-Q-R3276





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