



**Professional Grade 1250 Cantilever Single Twisting Machine with 2 Year Warranty!**

The quality of our **1250 Cantilever Single Twisting Machine** is second to none.

**Merits:**

- 1.our **1250 Cantilever Single Twisting Machine** can help you save 40% cost at the beginning, Products are widely used in **IT communications, aerospace, military, medical, locomotives, automobiles, robots, ships, 5G cloud databases and other fields.**
- 2.**1250 Cantilever Single Twisting Machine** applied to the twisting of above 7pcs of bare copper wires,tinned wires,silver jacketed wires and enamelled wires and twisting for core wires
- 3.**1250 Cantilever Single Twisting Machine** can do conductor stranding and cores laying up for single core  $\phi$  1.5mm-  $\phi$  8.0mm up to 30.0mm .
- 4.**1250 Cantilever Single Twisting Machine** use cantilever structure, small rotatory inertia,high and stable rotation, thus get the stable quality products
- 5.**1250 Cantilever Single Twisting Machine** take-up box reciprocate,lead to the bunching wire is arranged precisely in the take-up bobbin.
- 6.**1250 Cantilever Single Twisting Machine** use computer control the pitch,no capstan,no dynamic plate, assure the uniformity tension of cable, shorten the path length。
- 7.Our **1250 Cantilever Single Twisting Machine** increasing the diameter of veer wheel to decrease the wire bend degree, assure the quality of finished wire
- 8.Compared with the traditional cable-laying machine,**1250 Cantilever Single Twisting Machine** can avoid the rod cracked and other unsafe factors when machine is rotating in high speed.

**9.Type:**

**1250 Cantilever Single Twisting Machine** for cores twisting and conductor compress stranding (refer to page 5-9 )



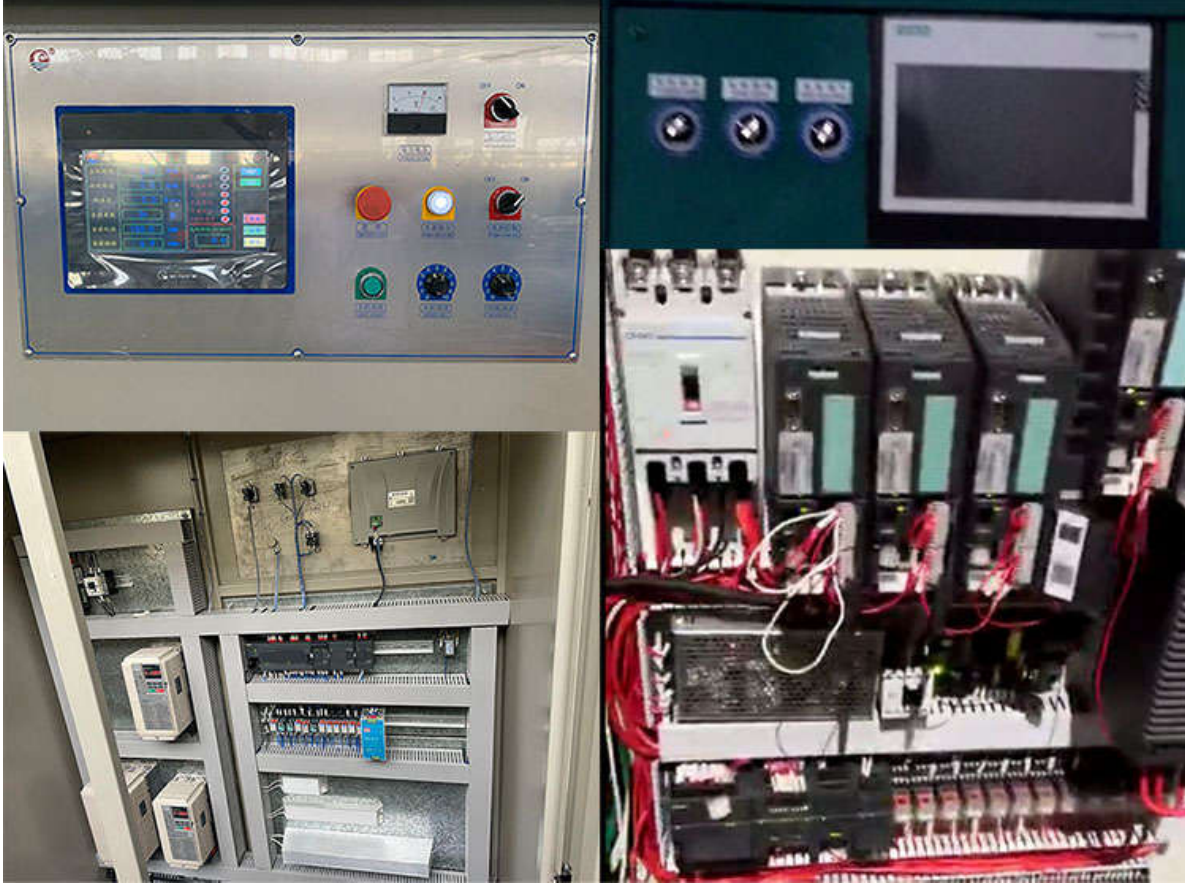
10. Can fit 380V to 440V, 50HZ to 60HZ, color can be customize  
3 phase 4 wires, R, S, T, PEN  
3 phase 5 wires, R, S, T, PE, N



**11. Some Option:**

**Set-up:**

Veinview HMI + Siemens PLC & Yaskawa Inverter + Siemens Motor  
Siemens HMI & PLC & Inverter + Siemens Motor



**IOT remote system and temperature sensor**





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**Trade terms:** T/T, L/C.

**Package:**

- 1.Simple water-prof package
- 2.Pallet package
- 3.Pallet with Vacuum package
- 4.Wooden box package





## 1250 Cantilever Single Twisting Machine

Application: for high speed cable laying and conductors stranding, including PVC/PE cables, CET-5,6,7 data cable, communication cable and other special wire and cables, can do central and side-along taping

### Composition

No.	Description	Quantity	Remark
1	Concentrate Device	1SET	
2	Central Taping	2SET	
3	Power Cabinet	1SET	
4	1250 Cantilever Single Twist	1SET	
5	Meter counter	1SET	
6	630 shaft-less passive pay-off	7SET	
7	Fill pay-off	7Heads	

### Main specification

- 1)Wire range:  $\varnothing 1.5$ - $\varnothing 5.0$ mm (rigid wire)  $\varnothing 1.5$ - $\varnothing 8.0$ mm (Flexible wire)
- 2)Finished OD: Max 30mm
- 3)Pitch range: 50-500mm smoothly adjust
- 4)Take-up spool diameter:  $\varnothing 1250$ mm
- 5)Pay-off spool diameter:  $\varnothing 630$ mm
- 6)Taping dimension: Hole  $\varnothing 50$ mm, tube diameter  $\varnothing 500$ mm, width 8mm-30mm
- 7)Material: cotton paper, nylon taping, aluminium foil
- 8)Taping speed: Normal work speed 2500RPM
- 9)Single twister speed: Max dynamic balance speed 600RPM, normal working speed 400RPM
- 10)Stranding direction: free operation to S Z

### Set-up

#### Taping (1SET)

- 1) AC motor: 4KW
- 2) Inverter: 4KW
- 3) Taping tension: 1.2KG magnetic clutch
- 4) Taping brake: 5KG disc brake
- 5) Taping pitch: adjust by motor

### Cantilever Single Twister Host

Application:

- 1)PVC/PE cables, power cable, coaxial cable and multi wires integrated taping



2)SJT/SVT cable intergrated taping  
**part**

- 1) AC motor: 18.5KW
- 2) Invertor: 18.5KW
- 3) Main brake: DBG-105 pneumatic brake
- 4) Pay-off AC Motor:7.5KW
- 5) Invertor:7.5KW
- 6) Pay-off Brake:DBG-105 pneumatic brake
- 7) Traverse: Motor driver screw rod laying up the cable,AC Motor 0.75KW, 1.5KW Invertor, 3 phase 380V; quickly loading and unloading
- 8) Spool fasten: manual lock
- 9) Spool loading: Separated dynamic station to control the lift speed set the parameter,such as the cable laying, speed , meter counter ,errors display.
- 10) Ball shaft: 10. Ø50 Japan FAG

**Main power cabinet**

- 1) Taiwan EV 10.4 HMI+ PLC to display and setting parameter, such as cable laying ,speed show and meter calculate
- 2) Taping and single twister can separated and linkage
- 3) S7 - 200 Siemens PLC and encoder
- 4) Meter counter: internal counter, display on HMI
- 5) Alarm when wire cut-off
- 6) With safety operate limits units

**Main electrics brands**

- 1) Hauling invertor: Inovance
- 2) Motor: siemens
- 3) Pneumatic brake: Taiwan Risha
- 4) HMI : Weinview
- 5) Programmer: Siemens CPU226
- 6) Encoder: Japan NEMICON OVW2-06
- 7) Low voltage electrics: Taiwan SHIHLIN
- 8) Main bearings: NSK or KOYO

**630 Shaft-less passive pay-off**

- 1) Pay-off spool: PND 630
- 2) Insulated diameter:  $\phi 2.0\text{mm}-\phi 5.0\text{mm}$  (Rigid cable up to 6 square mm)
- 3) Tension control : 5KGF Powder clutch
- 4) Brake: powder clutch brake
- 5) Spool loading: no lift
- 6) Spool fasten : pneumatic fasten and loosen
- 7) Head: 7 heads
- 8) 3 SET double , 1 SET single

**Spare parts**



S/N	Description	Model	QTY	Remark
1	Laying pulley		1SET	
2	Tool		1SET	
3	Stranding dies	Client provide		

**Take-up dimension**

Outer Dia ( $\phi D$ )	Bore Hole ( $\phi d$ )	Outer Width (L1)	Inner Width (L2)	Position hole	PCD
1250	125	950	800	$\phi 40$	320

