



# Velocity Engineers Private Limited

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## Φ1250 Cantilever Copper Stranding Machine

### 1. Device Configuration:

- 1.1 cable hub: 1 set
- 1.2 Φ1250 cantilever single winch: 1 set
- 1.3 main control electrical cabinet : 1 piece
- 1.4 spare parts, spare parts: 1 set of random tools

**2.Scope of application:** Data cables, power cables, computer cables, etc. are integrated into cables and wrapped simultaneously.

**3.Equipment performance:** The whole machine adopts a cantilever-type pulley-less structure, and uses a ball screw and linear slide arrangement to ensure stable cable arrangement, spacing, and uniform tension. The human-machine interface of the whole machine is simple and convenient to operate, with touch screen display and PLC control. The twist length, speed and meter counter can be displayed and set at any time, and it has a common fault display function.

### 4.Equipment composition specifications:

4.1 Wire collecting frame: Equipped with wire collecting plate, adjusting roller and imported high-quality porcelain eyes.

4.2 Φ1250 cantilever single winch:

- (1) The frame is welded with high-quality steel, which is strong and beautiful;
- (2) Applicable wire diameter: Φ0.5-5.0mm;
- (3) Stranded outer diameter: Φ25mm (MAX);
- (4) Rotation speed 400Rpm/min;
- (5) Main motor: 30HP Siemens Beide motor, equipped with Inovance inverter;
- (6) Coiling motor: 7.5HP Siemens Beide motor with differential and Inovance inverter;
- (7) Cable motor: 1HP Taiwan Chengbang reduction motor, equipped with Inovance inverter;
- (8) Brakes: DBG-105 air pressure disc brakes;
- (9) Wire reel lifting: automatic lifting and lowering of oil pressure, speed can be adjusted at will;

(10) Cable arrangement: Using ball screws imported from Taiwan and linear slide rails, the arrangement distance can be set arbitrarily by computer;

(11) Twisting direction: left, right, S, Z direction can be switched.

#### 4.3 Central control cabinet:

(1) Touch screen display, PLC control: realize human-machine interface operation, twist length, speed, meter ; The meter can record display and settings at any time, and has a common fault display function;

(2) The whole machine operation screen is displayed in real time;

(3) Meter counting mode: meter counting outside the machine, touch screen display;

(4) Alarm and shutdown when the meter is in place;

(5) Safe operation limit;

(6) Air pressure control function.

#### 5. Equipment pictures:

