



# Velocity Engineers Private Limited

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## Specification of High-Speed Strander of Model PLC 800

### 1.Application of the equipment:

It is suitable for stranding of the copper wires with more than seven strands, such as electronic wires, power wires, bare copper wires, network wires, RVV, RVS etc.

### 2、Equipment performance and parameters:

Type	WH-HST-800 (1200RPM/min/ Auto tension/PLC)
Operation mode	embedded integrated touch screen, using Huichuan PLC technology. The operation button, linear speed, tension, stranding distance, broken wire detection and other electrical parameters are set through the touch screen of human-computer interface.
bow back to speed	Max: 1200 RPM. Guide wheel type high quality carbon fiber bow belt.
A single to wire diameter	Ø 0.4mm ~ 2.0mm
stranded area	Ø0.25~10mm <sup>2</sup>
Lay	23.74 mm~ 256.78mm (can make appropriate adjustments according to the customers' demand), manual gear type transformation of lay.
Driving motor	15HP Dongguan motor+15HP Inovance inverter steeples speed regulation.
Ground to	About ground to choose.
Strand direction	The left and right (s, z) strands are uniform and can be selected arbitrarily.
Row line	DE bearing polished rod line, row of row spacing are adjustable.
Brake	Electromagnetic braking brakes, inside and outside the bolt brake.
Break line protection	Internal and external break line, automatic stop and alarm.
Inching	Electrical console the inching button.
Meter	Six figures electronic meter.
Lights	Lights red: failure. The machine stops automatically when the line is broken and meters are counted in place.
Bearing	Japan、Germany, imported bearing (such as KOYO、NSK、FAG).
Inside the machine accessories	Use of domestic and international brand with high quality.
Device volume	Machine noise below 75 dB, in accordance with the 1000 mm distance measurement.
Workshop temperature	Do not exceed 40 ℃, if beyond, the inverter automatically protection tripping.
External dimension	L3670 × W1550 × H1650 mm
Appearance color	Blue (according to customer's requirement).

### **3. Structure of wire entering**

- 1) After being paid off from the creel stand, all the wires will first enter a distributor plate via a group of idler pulleys and then the die for stranding.
- 2) Specification of the distributor plate: Each standard distributor plate of our company has 19 holes (however, customization may be done).
- 3) Specification of the die: Ø25 (outer circle) \*15 (height), customized inner holes

### **4. The line structure:**

Winding shaft: standard shaft: (outside diameter) Ø (wide) 600 \* 800 \* (hole) Ø 80, Pull pin hole for Ø 40, 160 mm from the center of shaft hole, the minimum is 120 mm(accept spools can also be customized according to customer's request).

Tension: mechanical manual tension control system, mainly is for adjusting the spring pressure.

Spool handling: electric hoist iron shaft, convenient and flexible.

### **5. Standard accessories**

Change gears (one set) (they are corresponding to the pitch gauge and their quantity may be properly increased or decreased as requested by the customer)

Tool kit (one piece) (There is a set of common tools. The details are as follows.)

1. Nine-piece inner hexagon spanner (one set)
2. Monkey spanner (one piece)
3. Screwdriver (one piece)
4. Nipper pliers (one pair)
5. Grease gun (one piece)

User's Manual (one copy)

Anti-vibration pad (one set made up of four pieces)

**6. Equipment photos:**



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