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**PAROVI<sup>®</sup>**  
MACHINES

# **PRVe 800mm High Speed Bunching Machine**

**A Brand of RONS TECHNOLOGIES LLP**  
Plot No. A-123, Sector- 80, Phase – II, Noida, U.P-201305

*“Optimize Your Production, Enhance Your Quality—Parovi Machines, Your Trusted Partner.”*



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### PRV-800mm High Speed Bunching Machine



Equipment use: Suitable for twisting of electronic wires, power cable, network wires, etc., with more than seven strands.

#### 1. Wire Inlet structure:

- 1) After all the lines are released from the pay-off rack, they enter the splitter board through a set of guide wheels and then enter the die for twisting.
- 2) Distribution board gauge: According to our standard distribution board.
- 3) Inlet die specification: (outer circle) Ø25\* (high) 15 inner hole according to customer requirements.





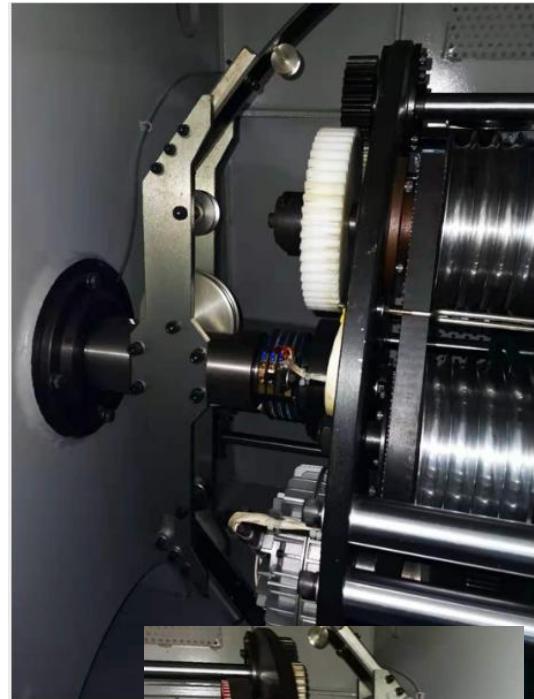
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## 2. Equipment performance and parameters:

- a. Model:
- b. Right to left: The person faces the front of the machine, and the line enters the machine from the right side of the machine.
- c. Rotation speed of bow belt: Max:1200RPM. The bow strap is a porcelain eye bow strap.
- d. Twisting pitch: Ø22.51 mm-152.32mm (adjustable according to customer needs), manual gear changing twisting pitch.
- e. Calculation of twisted wire length: how many meters per minute = twisting distance \*2/1000\* twisting bow speed per minute
- f. Twisting direction: arbitrary choice of left and right twisting direction
- g. Single feed wire diameter: Ø0.8mm-Ø4.0mm.
- h. Stranding OD and area: 2.0mm~15mm (16 mm<sup>2</sup> for copper and 25mm<sup>2</sup> for Aluminium)
- i. Traverse: German-style bearing polished rod traverse, the row and row pitch can be adjusted.
- j. Spindle lubrication: Fill high temperature grease with grease gun every 15 days.
- k. Drive motor: AC 380V 1400RPM 15HP Shanghai Jinzheng cheng Motor + Inovance frequency converter stepless speed regulation.
- l. Brake: Electromagnetic brake, automatic brake for internal and external disconnection.
- m. Disconnection protection: When internal and external disconnection occurs, it will automatically shut down and give an alarm.





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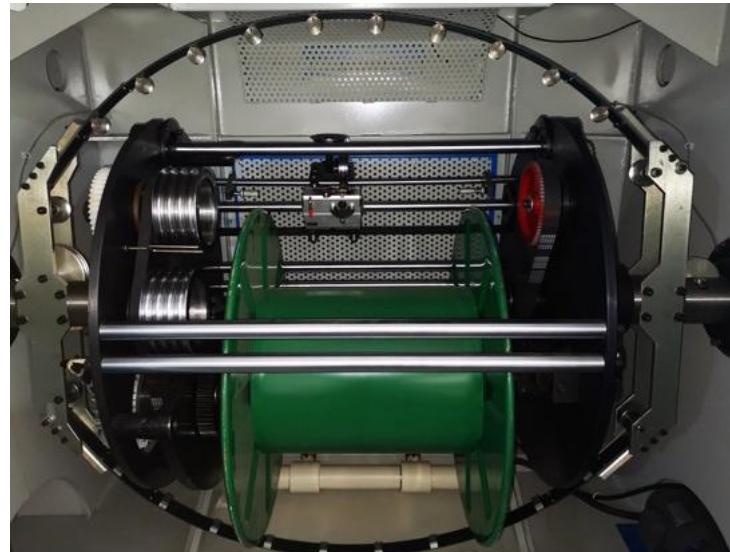
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- n. Inch: displayed on Inovance PLC touch screen. .
- o. Speed display: displayed on the Inovance PLC touch screen.
- p. Electrical control: parameter setting and operation are set through the Inovance PLC touch screen control panel.
- q. External power cord: The external power cord is pulled to the electric control box by the user.
- r. Alarm lights: two-color warning lights.
- s. Meter counter: Yangming proximity switch.
- t. Electrical components: select domestic and international high-quality brands.
- u. Bearings: Select original imported bearings from Japan and Germany (such as KOYO; NSK; FAG).
- v. Machine internal accessories: select domestic and international high-quality brands.
- w. Machine noise: Below 75dp, measured according to 1000MM distance.
- x. Ambient humidity: Can not exceed 90%, if it exceeds, please dry it before turning on the machine.
- y. Occupied area of the host: L3673\*W1550\*H1650MM.
- z. Box color: blue (according to customer requirements).



### 3, Take-up structure:

- a. Take-up shaft: Standard shaft: (outer diameter) Ø800\* (outer width) 600\* (inner hole) Ø80, the pin hole is Ø40, away from the shaft hole
- b. The maximum center is 160mm, the minimum is 120mm
- c. Tension: 5KG magnetic powder clutch is used to automatically control the tension.
- d. Spool loading and unloading manual hydraulic lifting iron shaft, convenient and flexible.
- e. Appearance style: flip-up door style.





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#### 4. Spare parts:

- a. A set of gears, corresponding to the pitch meter.
- b. A toolbox contains a set of commonly used tools. Details are as follows:
  - i. One set of 9-piece Allen wrench.
  - ii. One adjustable wrench.
  - iii. A screw-driver.
  - iv. A grease gun.
  - v. 4 gaskets





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## WHY PAROVI MACHINES?

BECAUSE OUR ALLIANCE WITH OUR CUSTOMERS IS BEYOND MACHINERY- IT'S A STRATEGIC PARTNERSHIP

Parovi Machines is as a complete technical solution provider for the wire and cable manufacturing industry, dedicated to helping manufacturers optimize their production lines through innovative, high-quality machinery and accessories. With a strong commitment to delivering enhanced productivity and product quality, Parovi Machines offers a comprehensive lineup that meets the evolving needs of the industry.

### Factory Planning

Assists in **planning the layout** and **schematics** for efficient material handling, machine placement, and installation.

### Engineering Expertise:

We have **well-trained engineers** who ensure **smooth installations** and stay promptly connected to address your needs.

### Tailored Product Recipes & Technical Assistance:

Technical support on **material selection** and product formulation, enabling manufacturers to achieve optimal results and meet industry standards.

### Consultation on Latest Innovations

Insights into the latest products, **technical consultations** in both local and international markets.

### Largest Inventory & Ready Spares Parts:

One of the **largest ready to use Machinery Stock & Spare part hub**

### Strategies for Cost Reduction & Waste Minimization

Focus on helping manufacturers cut down on **production costs, minimize rejections**, resulting in a leaner and more **cost-effective operations**.

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