# Semi-Automatic 1.5S Wire Coil Taping Machine WPM-75

Model No. WPM-75




**SPECIFICATIONS**

| Semi-Automatic 1.5S Wire Coil Taping Machine WPM-75 | |
|---|---|
| **Usage** | WINDING |
| **Application** | wire coil taping |
| **Taping Speed** | 1.5S |
| **Tape Inner Diameter** | 76mm |
| **Tape Outer Diameter Max** | 120mm |
| **Voltage** | 220V 50Hz, 0.55kW |
| **Cutting Length** | 45-75mm |
| **Tape Width** | 12-18mm |
| **Air Pressure** | 0.4MPa/cm$^2$ |
| **Size** | 670x390x480mm |
| **Weight** | 30kg |

The WPM-75 is a semi-automatic bench machine that tapes the coiled wire bundle formed at the end of a harness. The operator loads the coil, the head applies tape from 12 mm to 18 mm wide and cuts it to a length set between 45 mm and 75 mm, and one cycle takes 1.5 seconds. Tape rolls with a 76 mm core and up to 120 mm outside diameter fit the spindle.

Hand taping a coil depends on how tightly the operator pulls the roll and where the roll happens to stop, so tape consumption and wrap position shift from coil to coil. On the WPM-75 the tape length is a set value in the 45-75 mm band and the cut happens on the same 1.5-second cycle, so each coil receives the same amount of tape in the same place. The pneumatic head runs on 4 kg/cm2 shop air and the drive is 0.55 kW at 220 V 50 Hz.

Within this group the WPM-75 is the coil machine: it works on a formed bundle rather than a cable run, and it is semi-automatic with a single-cycle head. The WPM-TP (279) wraps copper foil around round wire up to 10 mm for shielding, the WPM-1310 (362) winds PTFE tape on threaded fittings at 3-5 pieces per second, and the WPM-6-12 (367) flat-wraps harness runs. The WPM-75 is the model to specify when the workpiece is a coil, the tape is 12-18 mm, and the target is one coil every 1.5 seconds.

## Key Features

**1.** Semi-automatic single-cycle head: load the coil, press start, 1.5 s per coil

**2.** Tape width 12-18 mm, tape roll core 76 mm

**3.** Accepts tape rolls up to 120 mm outside diameter

**4.** Cut tape length set from 45 mm to 75 mm per coil

**5.** 0.55 kW drive on 220 V 50 Hz, 4 kg/cm2 pneumatic supply

**6.** 30 kg bench frame, 670 x 390 x 480 mm, HMI screen with start and emergency stop

## Technical Specifications

| Parameter | Specification |
|---|---|
| **Model** | WPM-75 |
| **Function** | Wire coil taping, semi-automatic |
| **Taping speed** | 1.5 s per coil |
| **Tape width** | 12-18 mm |
| **Tape inner diameter** | 76 mm |
| **Tape outer diameter max** | 120 mm |
| **Cutting length** | 45-75 mm |
| **Voltage / power** | 220 V 50 Hz, 0.55 kW |
| **Air pressure** | 4 kg/cm2 |
| **Dimensions** | 670 x 390 x 480 mm |
| **Weight** | 30 kg |

## Applications

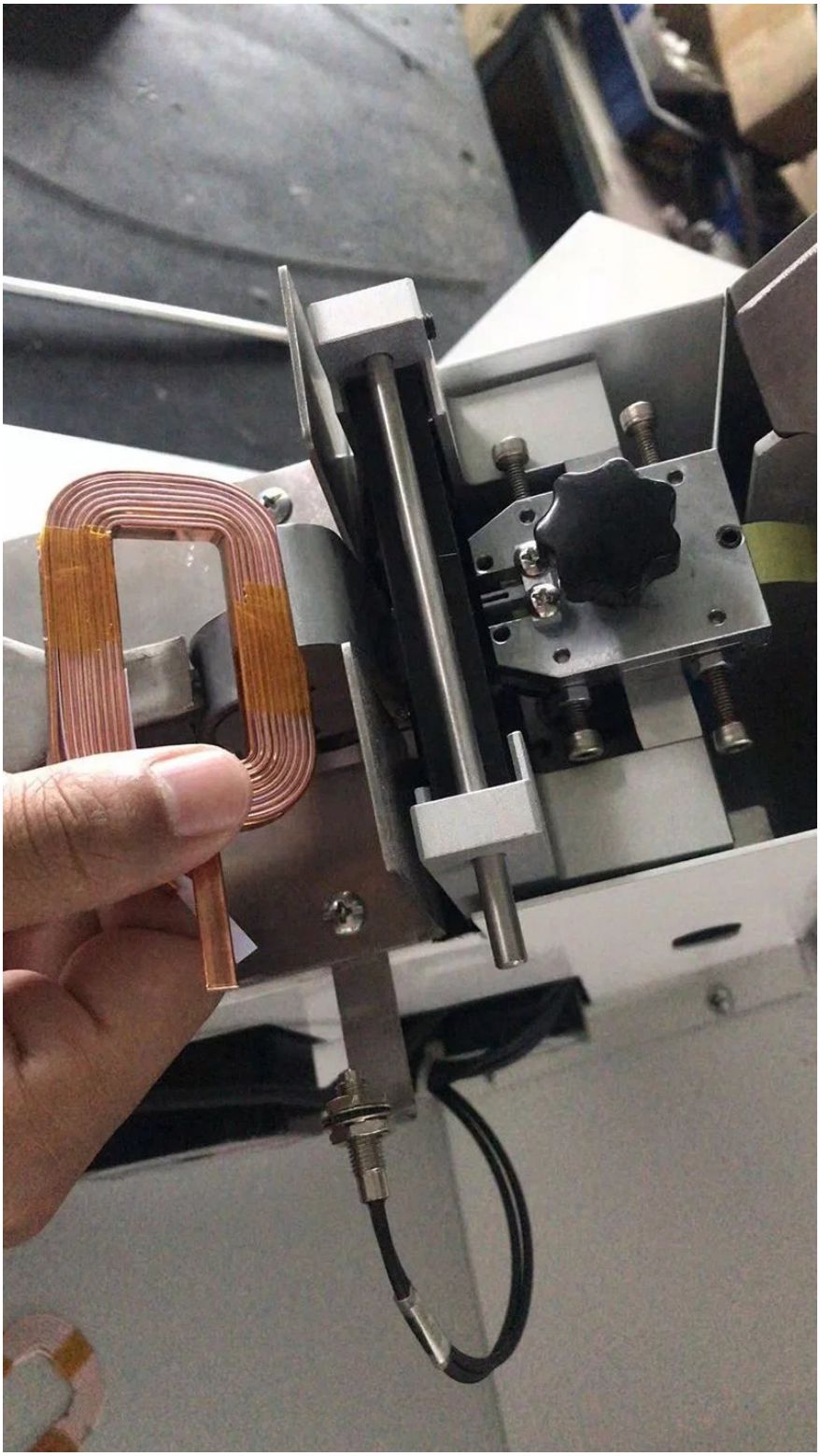
— Automotive wiring - taping coiled bundles and branch take-offs at the end of a harness before routing into the cabin

— Home appliance wiring - taping coiled leads for motors, heaters and control boards before packing

— Small motor and power tool production - taping the coil ends of lead wires at the assembly bench

— Lighting and electrical assemblies - bundling and taping flexible wire coils for luminaires and drivers

— Harness subcontracting - repeatable coil taping with 12-18 mm tape at 1.5 s per coil



## Product Images



## FAQ

**What is the primary application of the Semi-Automatic 1.5S Wire Coil Taping Machine WPM-75?**

The WPM-75 is designed for efficient wire coil and cable harness wrapping in manufacturing settings. It is ideal for securing wire bundles, coils, and harnesses with adhesive tape, streamlining production in industries such as automotive, appliance, and electrical equipment manufacturing where organized and protected wiring is essential.

**How fast is the '1.5s taping speed' and what does it mean for my production?**

The '1.5s taping speed' refers to the machine's ability to complete a standard taping cycle in just 1.5 seconds per coil. This high speed significantly boosts production throughput, reduces manual labor time, and increases overall efficiency, allowing you to wrap more wire coils per hour compared to fully manual methods.

**What are the tape and coil size specifications for the WPM-75 machine?**

This semi-automatic taping machine accommodates adhesive tape widths from 12mm to 18mm. It can handle wire coils with a maximum outer diameter (OD) of up to 120mm. This versatile range makes it suitable for a wide variety of standard wire coil and cable harness sizes used in industrial applications.

**What power supply is required, and is the machine easy to operate?**

The WPM-75 operates on a standard 220V power supply. As a semi-automatic machine, it is designed for user-friendly operation: an operator places the coil, and the machine automatically performs the precise taping cycle. This setup minimizes training time and reduces operator fatigue while ensuring consistent, high-quality wraps.

**What are the key durability and efficiency benefits of this wire coil wrapping machine?**

Built for industrial environments, the WPM-75 features a robust construction for long-term durability and minimal maintenance. Its efficiency stems from the fast 1.5-second cycle, consistent taping tension, and reliable performance, which together reduce material waste, lower per-unit production costs, and ensure a reliable return on investment for your cable harness equipment line.