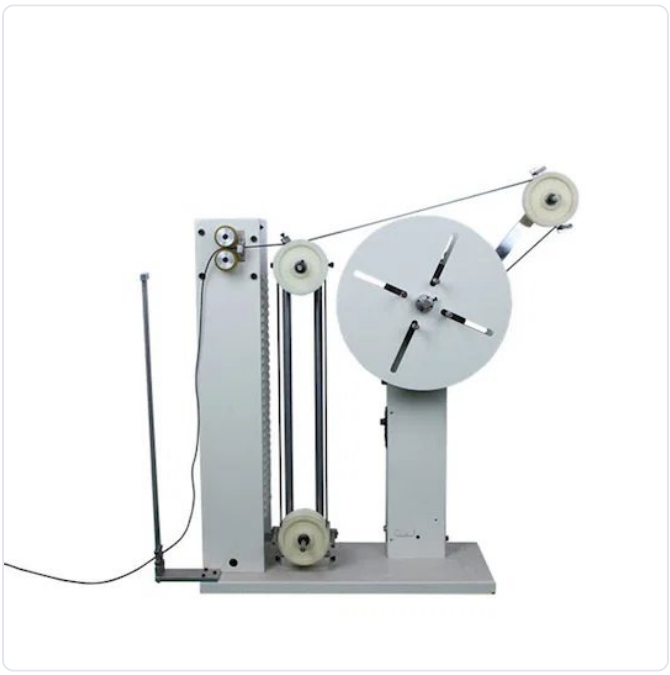
# 线圈预送料机 内径85-320mm 35kg WPM-500C

Model No. WPM-500C



**SPECIFICATIONS**

| | |
|---|---|
| 型号 | WPM-500C |
| 重量 | 50kg |
| 额定负载 | 35kg |
| 线圈内径 | 85-320mm |
| 外线外径 | 380mm |
| 线材厚度 | 120mm或更小 |

WPM-500C 为电动预送料机，从线圈而非线盘放线。适用内径 85-320 mm、外径 380 mm 以内、宽度不超过 120 mm 的线圈，额定承载 35 kg。整机重 50 kg，置于裁线剥线机或压接机的进线端。

线圈没有法兰约束。绕在纸芯上并打带后，放线时线匝向内塌陷，松散线匝在出线点相互交叉。WPM-500C 用四根撑杆从线圈内孔向外胀紧，使线圈整体转动，而不是从内部逐层剥离。撑盘上方的立式立柱装两个导轮与舞蹈臂储线，地面高度的独立感应臂跟随该线环，控制驱动启停。

WPM-C002 以 120 W 与 180 W 双电机、十档速度处理 20 kg 线盘。WPM-F001 与 WPM-F003 采用 750 W 电机，对应 50 kg 与 60 kg。WPM-E005 一次运行五个盘位、适用 Φ0.5-4 mm 线材，重 130 kg。WPM-500C 是该组中的单线圈机型：35 kg，内径 85-320 mm，不需线盘法兰。

## 主要特点

**1.** 四撑杆胀紧内孔，适配 85-320 mm 线圈，按纸芯直径调节，无需线盘或转接件。

**2.** 额定承载 35 kg，线圈外径 380 mm 以内，宽度不超过 120 mm。

**3.** 立式舞蹈立柱配两个导轮，缓冲线环吸收下游裁线机每次步进的拉力峰值。

**4.** 地面感应臂随线环摆动并控制放线驱动，线环变短时电机才运行。

**5.** 撑盘、立柱与底座为整体焊接机身，重 50 kg；线圈位于底板中心上方，负载不会使机身倾覆。

**6.** 出线高度由立柱确定，线材出口与台式裁线机进线口等高。

## 技术参数

| 参数 | 规格 |
|---|---|
| 型号 | WPM-500C |

| 参数 | 规格 |
| --- | --- |
| **设备类型** | 线圈预送料/放线机 |
| **额定承载** | 35 kg |
| **线圈内径** | 85-320 mm |
| **线圈外径** | 380 mm 以内 |
| **线圈宽度** | 120 mm 以内 |
| **重量** | 50 kg |

## 应用范围

— 汽车线束线：成卷主线放线进入自动裁线剥线机

— 控制柜与开关柜布线：单芯线卷送至裁线工位

— 白色家电与家电线束：35 kg 护套线卷送入压接线

— 来料为纸芯线圈而非线盘的加工车间

— 盘柜与端子排布线：从立式线圈上裁切短米数批次



| | |
|---|---|
| product name | Automatic pay-off machine |
| power | 120W/180W |
| Voltage | 220 volts |
| Turn to | positive and negative |
| axis | 25mm |
| Kill car | 1.5 Electromagnetic clutch |
| Load | ≥50kg |
| specification | 800*500*900mm |

# Automatic frequency conversion wire feeder

Variable frequency stepless speed change
Automatic speed adjustment



Wire reel/circle wire universal





# Product parameter



| | |
|---|---|
| product name | Four-axis pay-off machine |
| Motor | RV140W1:15 |
| specification | 700*850*900 |
| Cold plate | 4.0mm |
| Spool | 400mm |
| axis | 20mm (stainless steel) |
| Thread reel | V type 2-6.0mm |
| Induction block | 0.5kg |
| colour | White paint |
| Load bearing | Single shaft 15kg |
| Pay-off speed | 2m |



| | |
|---|---|
| product name | Horizontal and vertical dual-purpose pay-off machine |
| power | 120W |
| direction | Direct |
| specification | 500*500*900mm |
| Load bearing | 15kg |
| Applicable models | Terminal machine/wire cutting machine/pipe cutting machine |
| Applicable wiring harness | Power cord, data cord, braided cord |
| Shaft diameter | 20mm/length 430mm |
| Coil diameter | 450mm |



| | |
|---|---|
| product name | Automatic frequency conversion wire feeder |
| specification | 500*700*900mm |
| Motor | 750W&1450/1: 5K |
| Load bearing | 30kg |
| weight | 75kg |
| Kill car | 0.1 second braking |
| Frequency converter | 1.5w with brake |
| axis | 30*500mm |
| Lock | 60*30mm |
| Wire reel | 500mm |



| | |
|---|---|
| product name | Automatic pay-off machine |
| specification | 370*480*800mm |
| power | 120w |
| Pay-off weight | 15kg |
| weight | 30kg |
| Applicable machine | Automatic wire cutting machine, terminal machine |
| Voltage | 220V |
| performance | Induction automatic pay-off |
| use | Data cable, flat cable, PC tube |
| drive | Speed control positive and negative |
| Kill car | Electronic car killer |
| Pay-off specification | Coil diameter 20mm-30mm |



| | |
|---|---|
| product name | Double line automatic pay-off machine |
| power | 140W/140W |
| direction | positive and negative |
| Weight reduction | ≥30kg |
| Shaft diameter | 20mm |
| Kill car | VR automatic |
| specification | 650*500*900mm |



| | |
|---|---|
| product name | Infinitely variable electric pay-off machine |
| specification | 450*800*1120mm |
| Motor | 750W 1: 7.5 |
| Frequency converter | 1.5kw |
| Voltage | 220v |
| Load bearing | 50kg |
| brake | 0.1 seconds to kill the car |
| axis | 30mm |




| | |
|---|---|
| product name | Automatic pay-off reel |
| Product Size | 390*390*500mm |
| product weight | 8.8kg |
| Product load | 14kg |
| Product Features | Applicable to all automatic machines and wire cutting machines (except for flat-shaped parallel wires) without connecting to the machine, self-identification of wire feeding length (full closed loop control) high temperature wire, super long wire, Teflon wire, etc. Seed line |




| | |
|---|---|
| Product model: 33300D-0010 | Diameter of shaft bottom: 120mm |
| Product name: Pay-off reel (without wire hook) | Net weight: 2.5kg |
| Turntable outer diameter: 380mm | Material: iron + high temperature baking varnish |
| Turntable inner diameter: 350mm | Purpose: specially designed for automata |

WPM-500C 预送料机说明书示意图，标注螺母、线筒与线盘

## FAQ

**WPM-500C 全自动送线机可处理哪些线圈和线缆规格?**

适用线圈内径 85 至 320mm、外径 380mm 以内，线材厚度 120mm 或以下。线缆直径最大 10MM。

**WPM-500C 全自动送线机的负载和重量规格是多少?**

额定负载 35kg，整机重量 50kg。可为较大的线卷放线，同时占地小、在线束车间内易于挪动。

**WPM-500C 全自动送线机如何实现自动放线?**

具备带刹车功能的自动放线，线材按受控速率放出，而非被下游设备硬拉。气电一体设计使其可直接接入现有产线。

**WPM-500C 全自动送线机设计上与哪些设备配套?**

该机按兼容全自动线束加工设备设计。占地小、移动方便，可摆放在其所供线的线束产线附近。

**WPM-500C 全自动送线机在生产车间是否易于挪位?**

是。该机移动方便，可在工位之间重新摆放。占地小、重量 50kg，适合紧靠现有全自动线束加工设备放置。