WPM-F003 Cable Prefeeder - 750W Variable Speed Wire Processing

Model No. WPM-F003



SPECIFICATIONS

Model	WPM-F003
Power	220V
Motor	750W
Loading Capacity	50kg
Dimension	1000*600*1000mm

The WPM-F003 is a floor-standing cable prefeeding machine for reels up to 50 kg. A 750 W motor on 220 V drives the reel table, and the unit stands on a 1000×600×1000 mm frame with castors so it can be positioned directly behind a cut-and-strip machine.

The drive is matched to the consumption rate of the downstream machine through a dancer column rather than run at a fixed speed. A sliding carriage on the column takes up the loop as the cutter draws wire and releases it when the cutter pauses, so the reel accelerates and stops with demand instead of pushing slack forward. The 750 W motor supplies enough breakaway torque to start a full 50 kg reel without slipping on the table, which a small pay-off motor cannot do.

The WPM-F001 uses the same 750 W drive but is rated 60 kg. The WPM-C002 carries 20 kg through a 120 W front motor and a 180 W rear motor over ten speed levels, and the tabletop WPM-02 stops at 14 kg. The F003 is the 50 kg floor unit between them.

Key Features

1. 50 kg reel capacity on a motor-driven table, with 750 W of drive torque for breakaway on a full reel.

2. Dancer column with a sliding carriage and guide rollers that absorbs the loop as the cutter starts and stops.

3. 220 V supply with a start/stop control box and emergency stop on the column face.

4. 1000×600×1000 mm frame on castors, positioned behind an existing cutting line without a fixed install.

5. Horizontal reel table with a locking spindle, so the reel turns with the table rather than dragging on a static barrel.

6. Sized to run continuously as the upstream unit of a cut-and-strip or crimping line.

Technical Specifications

Parameter	Specification
Model	WPM-F003
Machine type	Cable prefeeding / pay-off machine
Motor	750 W
Power supply	220 V
Loading capacity	50 kg
Loop control	Dancer column with sliding carriage
Dimensions	1000×600×1000 mm

Applications

— Upstream pay-off for automatic cut-and-strip machines running 50 kg reels

— Wire harness lines feeding several cutting stations from one reel position

— Building wire and panel wire processing: continuous feed into a measuring and cutting head

— Automotive harness pre-production: paying off primary wire to an in-line crimping station

— Cable assembly cells running long lengths where a static spool would tighten and pull short

FAQ

What wire load can the WPM-F003 Cable Prefeeder support during wire processing?

The WPM-F003 has a loading capacity of 50KG, driven by a 750W motor that runs on 220V. The wire wheel is adjustable for wire diameter, so different spool sizes can be accommodated.

How is the feeding speed of the WPM-F003 variable speed cable prefeeder controlled?

Speed control is infinitely variable, letting operators match the feeding rate to the downstream machine. Feeding is active and automatic, with automatic induction responding to the demand of the equipment being supplied.

Which machines can the WPM-F003 750W cable prefeeder work alongside?

The WPM-F003 is compatible with fully automatic terminal crimping machines, wire winding machines, wire cutting machines and wire soldering machines. That makes it a flexible feeder across a typical wire processing line.

What are the power, dimensions and loading capacity of the WPM-F003 machine?

The unit runs on 220V with a 750W motor and measures 1000 x 600 x 1000mm (L x W x H). Its 50KG loading capacity supports large spools while staying within a manageable footprint.

How noisy is the WPM-F003 cable prefeeder during operation?

The WPM-F003 is built for low noise operation. Combined with active wire feeding and automatic induction, it delivers a steady supply of wire with minimal disturbance in the workshop.