Automatic Wire Feeder Machine 35kg Capacity 60W WRD-12Z

Model No. WRD-12Z



SPECIFICATIONS

Model Number	WRD-12Z
Max. spool weight	35kg
Reel Type	with/without core
Min ID of reel	30mm
Max. OD of reel	350mm
Speed	step-less speed regulation
Rotation direction	Forward or reverse
Sensitive switch	Line tight automatic alignment, automatic stop when line relaxation
Rated power	60W
Operating voltage	200 to 240V
Size	300*300*500mm

The WRD-12Z is a pedestal de-reeler that pays wire off a spool into a cutting or stripping machine. It carries spools up to 35 kg, with a reel ID from 30 mm and OD up to 350 mm, and takes reels with or without a core. The 60 W motor runs on 200-240 V with step-less speed regulation and forward or reverse rotation, in a 300 x 300 x 500 mm frame.

The value is in what the motor does when the downstream machine stops. A sensitive switch watches the wire: with the line tight it keeps the spool aligned and paying off, and when the line goes slack it stops the motor, so the coil does not keep turning and throw loops off the spool. Speed is set by a knob to roughly match the machine, and reverse lets the spool be backed off when a wire run is abandoned.

The 9040 is the larger pay-off: 90 W, frequency-conversion control, horizontal or vertical mounting, 40 kg. The WRD-12Z is the compact unit at 60 W with a 35 kg spool, a slack switch and forward or reverse, sized to sit beside a bench cutter rather than at the head of a line.

Key Features

1. 35 kg spool capacity, with reel OD up to 350 mm and ID from 30 mm.

2. Runs reels with or without a core: expanding spokes with radial pins grip an inside diameter instead of a bobbin.

3. Sensitive switch stops the motor when the line goes slack and restarts on tension, so the coil cannot overrun.

4. Step-less speed regulation from a panel knob, with forward or reverse rotation.

5. 60 W motor on a 200-240 V single-phase supply.

6. 300 x 300 x 500 mm pedestal, positioned at the inlet of a cutting or stripping machine.

Technical Specifications

Parameter	Specification
Model	WRD-12Z
Machine type	Automatic wire feeder / de-reeler
Max spool weight	35 kg
Reel type	With or without core
Min ID of reel	30 mm
Max OD of reel	350 mm
Speed	Step-less speed regulation
Rotation direction	Forward or reverse
Sensitive switch	Line tight automatic alignment, automatic stop when line relaxation
Rated power	60W
Operating voltage	200-240V
Size	300*300*500 mm

Applications

— Pay-off for bench cut-and-strip machines running insulated single-core wire.

— Cable assembly lines feeding a crimping press from 35 kg spools.

— Coil transfer between bulk spools and smaller reels before processing.

— Feeding a coiling or winding station where slack has to be taken up automatically.



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

Pay-off reel manual page showing bobbin, bearing, foot pad and wire reel dimensions

FAQ

What spool weight and reel sizes does the WRD-12Z Automatic Wire Feeder Machine support?

The WRD-12Z takes a maximum spool weight of 35kg, with a minimum reel inner diameter of 30mm and a maximum outer diameter of 350mm for core winding. It works with both core and coreless winding reels.

How does the WRD-12Z control wire tension during feeding?

The WRD-12Z keeps the line tight through automatic alignment and stops automatically when the line relaxes. This tension-controlled behaviour helps protect the wire and keep feeding steady.

Which machines can the WRD-12Z work alongside?

The WRD-12Z is compatible with fully automatic computer wire stripping machines, wire crimping machines, wire winding machines and wire soldering machines. This makes it a flexible pay-off unit across different cable processing lines.

What are the power and voltage requirements of the WRD-12Z?

The WRD-12Z has a rated power of 60W and operates on 200 to 240V. Its low power draw suits continuous pay-off and take-up duty on a production floor.

Does the WRD-12Z offer speed and rotation direction control?

Yes. Speed is handled by stepless speed regulation, and rotation can run forward or reverse. The machine also provides automatic start/stop and automatic wire feeding under tension control.