Desktop Heat Shrink Tube Machine for Wire Harness, 2000pcs/h WPM-H550

Model No. WPM-H550



SPECIFICATIONS

Working Voltage	AC220V±10%, 50Hz
Applicable Tube Size	OD < 10mm, length < 60mm (customizable)
Applicable Wire Size	OD < 10mm, cable length > 195mm (customizable)
Heating Method	Ceramic heating panel
Heater Power	1000W*2
Working Efficiency	2000 pcs/h
Temperature Setting	0~600°C
Machine Dimensions	1100mm x 225mm x 350mm
Machine Weight	40kg

The WPM-H550 is a desktop heat shrink tube machine that shrinks tube onto wire harness ends with ceramic heating panels above and below the workpiece. It processes up to 2000 pieces per hour, with the temperature set anywhere from 0 to 600°C on the panel. It is sized for harness shops and panel builders that shrink tube in batches and want a bench unit rather than an inline tunnel.

Key Features

- **Up-and-down heating** — ceramic panels heat from both sides at once, so the tube shrinks evenly around the splice instead of drawing to one face.
- **Stable shrink temperature** — the setpoint holds through the cycle, which protects the wire insulation while still fully activating the tube.
- **2000 pieces per hour** — output depends on tube material and cable type, but the cycle is short enough for small and medium batch work.
- **Low power draw** — two 1000 W ceramic heaters reach working temperature quickly and draw nothing like a tunnel oven.
- **Desktop footprint** — at 1100 × 225 × 350 mm and 40 kg the unit sits on a bench beside the assembly station.
- **Simple to operate** — the operator places the harness and starts the cycle; there is no tooling change between tube sizes within the working height.
- **Complete shrinkage** — sustained heat activates the tube fully, which is where the seal quality on the finished harness actually comes from.

Technical Specifications

Model	WPM-H550
Working voltage	AC220V ±10%, 50Hz
Heating method	Ceramic heating panel
Heater power	1000 W × 2
Working efficiency	2000 pcs/h (material and cable dependent)
Temperature setting	0–600°C
Dimensions	1100 × 225 × 350 mm
Weight	40 kg

Applications

- Heat shrink tube on wire harness splices and terminals
- Automotive and appliance harness assembly
- Control panel and equipment wiring
- Low-voltage cable end sealing

Why Choose This Model

Two-sided ceramic heating is the reason the H550 holds a steady shrink without scorching the insulation, which is the usual failure on hot-air hand tools. The unit runs from a single-phase 220V outlet and needs no compressed air, so it can be placed wherever the harness bench is. Standard machines ship with a spare heater set, and the working height can be customized for longer assemblies. Compared with a tunnel oven, only the part in the heating zone is powered, which is where the energy saving shows up on the electricity bill.

FAQ

What is the production efficiency of the WPM-H550 Desktop Heat Shrink Tube Machine?

The WPM-H550 is designed for high-volume wire harness production with an impressive output of up to 2000 pieces per hour. This efficiency makes it ideal for small to medium batch processing, significantly speeding up your workflow compared to manual methods.

How does the WPM-H550 achieve energy savings in wire harness manufacturing?

This heat shrink tube machine features a low-power consumption design and utilizes efficient ceramic heating elements. It operates on standard AC220V power, providing rapid, focused heat while minimizing energy waste, which helps reduce operational costs for your industrial wire processing.

Is the WPM-H550 suitable for a desktop or benchtop setup?

Yes, the WPM-H550 is a compact desktop heat shrink machine, making it perfect for workshops, labs, or production lines with limited space. Its user-friendly design allows for easy integration into existing cable harness equipment setups without requiring extensive floor space.

What type of heating technology does this machine use, and why is it beneficial?

The machine employs advanced ceramic heating technology. Ceramic heaters provide consistent, uniform heat distribution, ensuring reliable and wrinkle-free shrinking of tubes on wire harnesses. This technology also offers quick heat-up times and enhanced durability for continuous industrial use.

Who is the ideal user for this desktop heat shrink tube equipment, and is it easy to operate?

The WPM-H550 is perfect for electronics manufacturers, automotive wire harness producers, and repair workshops. It is built for simple operation with intuitive controls, requiring minimal training. Its reliability and high efficiency make it a valuable asset for anyone involved in professional industrial wire processing.