Automaattinen liimauslaite WPM-333

Model No. WPM-333



SPECIFICATIONS

Malli	WPM-333
Toiminta	Automaattinen liimaus
Ohjelmointi	Käsinohjelmoitava, CAD-tuonti
Liikkeet	Kolmiakselinen, lineaarinen ja pyöreä interpolointi
Kiihtyvyys	Puolisuunnikas- ja S-käyrä
Tallennus	Useita ohjelmia
Mukautus	Räätälöitävä

Unlock Unprecedented Flexibility and Efficiency with the Standalone Automatic Glue Dispenser Machine: Streamline Your Adhesive Application Process

Introduction:

In today's dynamic manufacturing environment, adaptability and ease of use are crucial for maximizing productivity. Introducing the **Versatile Automatic Glue Dispenser Machine**, a cutting-edge solution designed to empower your production line with intelligent automation and simplified operation. This advanced **automatic glue dispenser machine** offers standalone functionality, eliminating the need for constant computer connection, while providing sophisticated programming and control for precise adhesive application. Experience unparalleled flexibility, ease of use, and customizable performance with this essential tool, designed to streamline your workflow and enhance your product quality across a wide range of applications.

Key Features and Benefits: Standalone Operation, Intelligent Programming, and User-Friendly Design

This Automatic Glue Dispenser Machine is engineered for both powerful performance and ease of integration, offering a comprehensive suite of features designed to transform your adhesive application process:

- **Standalone Operation for Unmatched Flexibility and Convenience:** Experience true operational freedom with the machine's **standalone capability**. This advanced design allows the machine to be operated **independently without requiring a continuous external computer connection**. Enjoy simplified installation, reduced workstation clutter, and the flexibility to deploy the machine in diverse locations without dependency on computer infrastructure. This **automatic hot melt gluing machine** offers true plug-and-play convenience.
- **Intuitive Hand-Held Programmer for Easy and Precise Programming:** Master complex dispensing patterns with ease using the **hand-held programmer**. This intuitive interface allows for **high-precision programming of three-axis linkage** movements, ensuring accurate positioning and dispensing control. Effortlessly create intricate **spatial linear or two-axis circular interpolations** for complex adhesive paths.

- **CAD Import Functionality for Seamless Design Integration:** Streamline your programming workflow and leverage existing designs with the **built-in CAD import function**. Directly **import glue paths from computer-aided design software**, eliminating manual path drawing and significantly reducing programming time. This feature allows for rapid setup and execution of even the most intricate dispensing patterns, directly from your design files.
- **Advanced Motion Control with Trapezoidal and S-Shape Curve Acceleration/Deceleration:** Achieve superior dispensing quality and prevent imperfections with the machine's sophisticated motion control. The **trapezoidal and S-shape curve acceleration and deceleration function** intelligently manages dispensing speed, preventing **glue stacking and accumulation at sharp bends**. This advanced control ensures a **more perfect and uniform glue area**, enhancing product aesthetics and adhesive performance.
- **Online Teaching Function for Streamlined Program Creation and Adaptation:** Simplify program creation and quickly adapt to changing needs with the **dispensing and sports mode online teaching function**. This invaluable feature enables easy setup of complex dispensing tasks, including **matrix copying, offset modification, and correction point setting for various paths**. Furthermore, **program transfer between machines** is streamlined, facilitating efficient multi-machine setups and consistent program deployment.
- **Versatile Universal Input and Output Contacts for Enhanced Integration:** Maximize connectivity and control with **separate universal input and output contacts**. These contacts allow for seamless integration with external devices and control systems, enabling expanded automation capabilities and customized workflow integration.
- **Multiple Program Storage for Rapid Job Switching and Reduced Downtime:** Boost efficiency by storing and recalling multiple dispensing programs. The machine can **store multiple independent running programs**, which can be **quickly and easily called upon** for recurring jobs. Eliminate reprogramming time when switching between tasks, maximizing uptime and production flexibility.
- **Simple Programming and User-Friendly Operation for Minimal Training:** Minimize training costs and accelerate operator proficiency with the machine's **simple programming method and user-friendly operation**. Designed for **ready-to-use functionality**, the machine can be operated effectively **without professional training**. Learning operation and maintenance are **quick and easy**, ensuring rapid adoption and maximizing operator productivity.
- **Customizable to Meet Specific Application Requirements:** Adapt the machine to your unique needs. This **automatic hot melt gluing machine can be customized** to address diverse application demands. Tailor the machine's features and functionalities to perfectly match your specific production requirements, ensuring optimal performance and a truly bespoke solution.

Advantages Summarized:

- **Standalone Operation:** No external computer required for operation, enhancing flexibility.
- **CAD Import:** Direct import of glue paths from CAD for complex patterns.
- **Advanced Motion Control:** Trapezoidal and S-shape curve acceleration/deceleration for perfect glue area.
- **Online Teaching Function:** Easy setup for complex dispensing tasks and program transfer between machines.
- **Multiple Program Storage:** Quickly switch between jobs without reprogramming.
- **Simple Programming:** Ready-to-use functionality, minimal training required.
- **Customizable:** Tailored to specific application requirements for optimal performance.
- **Universal I/O Contacts:** Enhanced integration with external devices and control systems.

Applications:

This Versatile Automatic Glue Dispenser Machine is ideally suited for a wide range of industries and applications, including:

- **Electronics Manufacturing:** Precise adhesive application for component bonding, encapsulation, and sealing in electronic devices.
- **Automotive Industry:** Automated dispensing for automotive part assembly and sealing applications.
- **Medical Device Manufacturing:** Accurate and consistent adhesive application in medical device assembly, meeting stringent quality standards.
- **Consumer Goods Manufacturing:** Streamlining adhesive application for various consumer products, enhancing production efficiency.
- **Packaging Industry:** Automated glue dispensing for carton sealing, packaging assembly, and specialized packaging solutions.
- **Crafts and Hobbyist Applications:** Precise and repeatable adhesive application for intricate craft projects and model making.
- **Any industry requiring flexible, standalone, and precisely programmable glue dispensing.**

Conclusion:

The **Versatile Automatic Glue Dispenser Machine** is a game-changer for businesses seeking to optimize their adhesive application processes. Its standalone operation, intelligent programming, user-friendly design, and customizability make it an invaluable asset for enhancing production efficiency, improving product quality, and reducing operational costs. Invest in this advanced dispensing solution and experience a new level of control and flexibility in your adhesive application workflows.

Number of control axis		Four-axis		
Effective stroke	X-axis	400mm	500mm	
	Y1 axis	300mm	300mm	
	Y2 axis	300mm	300mm	
	Z-axis	100mm	100mm	
Dimension	W	580mm	580mm	
	D	620mm	720mm	
	H	590mm	590mm	
Maximum speed	300mm/s(Can be customized up to 800mm/s)			
Repeat accuracy	±0.02mm-0.05mm(Can be customized within±0.02mm)			
Control system	Cooperate with domestic listed companies to develop teaching hand-held control system			

Drive mode	Step/servo motor(imported from Japan), synchronous belt/Screw mandrel, Linear slide-way(Ta
Program storage	It can store 1,000 sets of processing data, and a single processing file can occupy up to 3M stor points)
File storage space	Hand-held box 256M, card remover 32M, and a single processing file can occupy up to processing points)
Support document	CAD、CORELDRAW
Maximum load	Y axis/Z axis 5KG/2KG
Power supply	AC220V/110V, 50-60HZ, 350W

Various solvents, adhesives, paints, chemical materials, solid glue, etc., including silica gel, EMI conductive glue, UV glue, AB glue, quick-drying glue, epoxy glue, polyurethane glue, sealant, hot glue, grease, silver glue, red glue, solder paste, thermal grease, solder paste, transparent paint, screw fixing agent, wood glue, anaerobic glue, acrylic glue, anti-wear glue, crystal glue, pouring glue, horn glue, instant glue, rubber, paint, enamel paint, lacquer, ink, pigment, etc. Which need to be heated.

It is mainly used for glue and other liquids in the production process to precise bonding, filling, sealing, dripping, linear/arc-shaped/circular of coating to the exact precise position of each product.

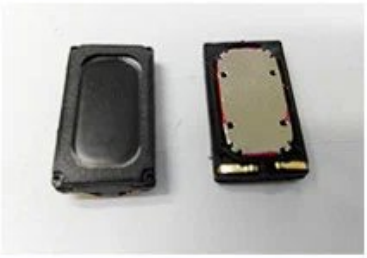

Robot Automatic Dispenser
Support Non-standard Customization

Application Products

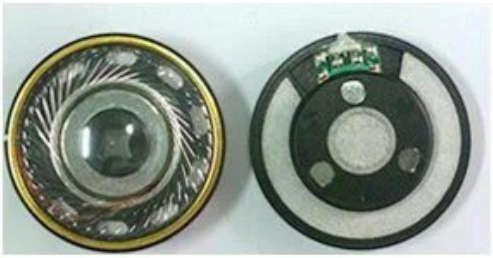
The operation is simple and convenient,
high-speed and accurate,
especially suitable for small earphones with 90° right-angle side glue.



In-ear headset speakers

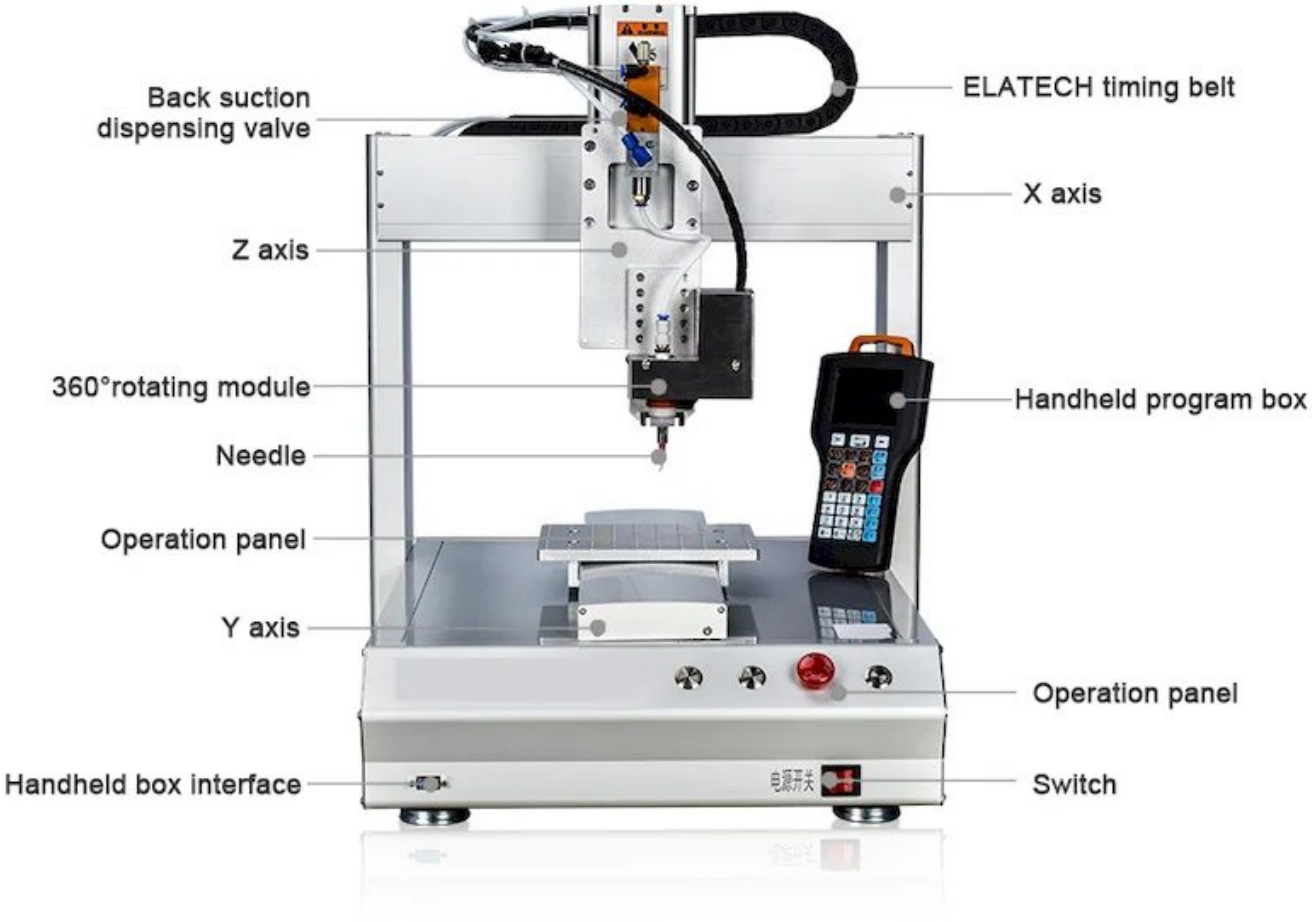


Mobile phone speakers



Over-ear headset speakers

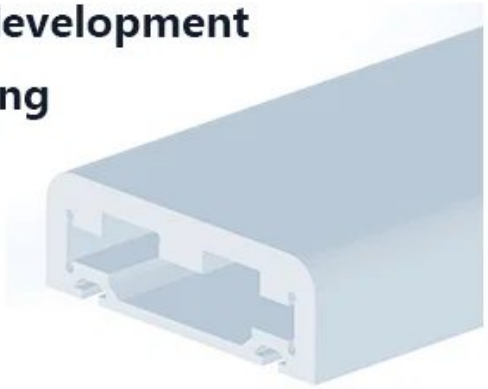
Product Structure and Parameters



01

Independent research and development

Independent forging



High-quality aviation aluminum forging



FAQ

Mitkä ovat WPM-333 itsenäisen 3-akselisen automaattisen liimauslaitteen pääedut?

WPM-333 tarjoaa useita keskeisiä etuja: se toimii täysin itsenäisenä yksikkönä, joka ei vaadi ulkoista tietokonetta, säästää tilaa ja vähentää monimutkaisuutta. Sen 3-akselinen ohjaus mahdollistaa tarkan, kolmiulotteisen liimaamisen monimutkaisiin kuvioihin. Kyky tuoda CAD-tiedostoja suoraan virtaviivaistaa ohjelmoinnin, ja sen ohjelmoitavuus tekee siitä ihanteellisen toistuviin, tarkkuutta vaativiin tehtäviin, kuten johtokimppujen valmistuksessa, varmistaen tasalaatuisuuden ja tuotannon tehokkuuden.

Voiko WPM-333 tuoda suunnitelmia suoraan CAD-ohjelmistosta?

Kyllä, WPM-333 automaattisen liimauslaitteen erottuva piirre on sen suora CAD-tuontikyky. Voit ladata suunnittelutiedostoja (kuten DXF) suoraan laitteen ohjaimelle. Tämä poistaa manuaalisen polun ohjelmoinnin, lyhentää asennusaikaa ja varmistaa, että liimauspolku vastaa täydellisesti digitaalista suunnittelua, taaten tarkkuuden ja toistettavuuden jokaiselle tuotantosarjalle.

Sopiiko tämä kuumaliimakone johtokimppujen valmistukseen?

Ehdottomasti. WPM-333 on erityisen hyvin soveltuva johtokimppujen valmistukseen ja muihin elektroniikan kokoonpanoprosesseihin. Sen ohjelmoitava 3-akselinen liike mahdollistaa kuumaliiman tarkan levittämisen johtojen kiinnittämiseksi liittimiin, rasituksenpoiston luomiseksi tai kiinnityspisteiden levittämiseksi piirilevyille. Itsenäinen toiminta ja toistettavat ohjelmat varmistavat tasaiset, luotettavat liitokset, jotka täyttävät teollisuusstandardit, parantaen tuotteen luotettavuutta ja kokoonpanonopeutta.

Mitä 'itsenäinen' toiminta tarkoittaa tälle liimauslaitteelle?

'Itsenäinen' tarkoittaa, että WPM-333:lla on täysin integroitu ohjausjärjestelmä omalla näytöllä ja prosessorilla. Se ei vaadi erillistä ulkoista tietokonetta toimiakseen tai ohjelmoitavaksi. Kaikki toiminnot – CAD-tuonnista ja polun ohjelmointiin koneen käyttöön – suoritetaan suoraan yksikössä. Tämä yksinkertaistaa asennusta, parantaa luotettavuutta poistamalla tietokoneen yhteensopivuusongelmat ja luo siistimmän, kompaktimman työpisteen.

Kuinka ohjelmoitava on liimauspolku tällä 3-akselisella koneella?

WPM-333 on erittäin ohjelmoitava. Voit luoda, tallentaa ja kutsua monimutkaisia 3D-liimauspolkuja suoraan koneen ohjaimella. Yhdistettynä sen CAD-tuontitoimintoon tämä mahdollistaa monimutkaiset kuviot, pisteet, viivat ja käyrät. Parametrit kuten liimausnopeus, liiman virtaus ja Z-akselin korkeus ovat täysin säädettävissä, mikä tekee siitä monipuolisen erilaisille liimoille ja sovellusvaatimuksille, hienoista pisteistä jatkuviin helmiin epätasaisilla pinnoilla.