

User guide for videojet excel 170i

A Comprehensive User Guide for Videojet Excel 170i: Maximizing Performance and Efficiency

**** The Videojet Excel 170i is a widely used industrial inkjet printer, crucial for marking and coding various products across diverse industries. Understanding its functionalities and operational nuances is paramount for achieving optimal performance, minimizing downtime, and maximizing productivity. This comprehensive guide delves into the intricacies of the Videojet Excel 170i, providing a detailed user-oriented approach that will empower operators to effectively utilize its capabilities. It will cover fundamental operations, advanced features, troubleshooting, and preventative maintenance strategies.**

I. to the Videojet Excel 170i: *The Videojet Excel 170i is a high-performance, compact inkjet printer designed for a wide range of marking applications. Its robust construction and intelligent software contribute to its reliability and flexibility in industrial environments. This section introduces the key components and functionalities of the printer, including the print head, ink reservoir, control panel, and communication ports. Illustrations depicting the printer's physical layout are crucial to allow users to easily identify key components.*

Understanding the Print Head and Ink Systems:

The print head, a precision component, delivers the ink onto the substrate. Its design and maintenance directly impact the quality and consistency of the markings. Different ink types are available, tailored to various materials and applications. Understanding the appropriate ink type for specific substrates is vital. For instance, solvent inks might be suitable for plastics, while UV inks may offer improved durability on metal surfaces.

Operating System and Software Interface:

This section will describe the user-friendly interface of the Videojet Excel 170i. A detailed illustration of the control panel and software screens will allow users to navigate through various settings with ease. Clear step-by-step instructions for key operational tasks (e.g., loading ink, selecting print parameters, and calibrating) will be presented. II. Fundamental Operation and Setup: This section details the step-by-step procedure for installing and configuring the Videojet Excel 170i in a production environment. It emphasizes the critical initial setup steps, including printer connectivity, ink loading, and the establishment of the initial print parameters. Detailed diagrams and photographs will provide visual cues for each step.

Ink Cartridge Replacement and Maintenance Procedures:

Regular maintenance is vital for the longevity and reliability of the Videojet Excel 170i. Correct ink cartridge replacement and preventative maintenance are explored to minimize disruptions.

Troubleshooting Common Issues:

Common problems experienced by users, such as clogged print heads, ink leaks, or print quality issues, will be addressed with detailed troubleshooting procedures. Practical examples and troubleshooting charts will assist operators in identifying and resolving these issues efficiently. For example, a chart could indicate potential causes and solutions for "low print quality." III. Advanced Features and Applications:

Variable Data Printing (VDP):

The Videojet Excel 170i supports variable data printing, enabling the incorporation of unique identifiers, batch numbers, or date/time stamps onto each product. This function enhances traceability and data management in complex manufacturing processes.

Data Formatting and Control:

The system offers flexibility in data formatting and structure. This section will discuss how users can integrate the printer with different enterprise resource planning (ERP) systems to achieve seamless data flow. Case studies demonstrating the successful integration of the Excel 170i with various ERP platforms would be highly beneficial.

Utilizing the Printer's Network Connectivity:

This section will explore the printer's networking capabilities, including communication protocols and remote diagnostics. Specific examples of using the network connection to monitor the printer's status and troubleshoot issues remotely will be provided. IV. Safety Protocols and Environmental Considerations:

Compliance with Industry Standards and Regulations:

This section will highlight the importance of adhering to relevant safety guidelines and industry regulations when operating the Videojet Excel 170i. Specific examples of safety protocols related to ink handling, machine operation, and electrical safety will be included.

Environmental Impact and Sustainable Practices:

This section will address the environmental aspects of ink usage, emphasizing the importance of responsible ink disposal and environmental sustainability practices. Information on eco-friendly ink options and recycling programs will be provided. V. Summary and Conclusion: **This guide provides a comprehensive overview of the Videojet Excel 170i, encompassing its fundamental functionalities, advanced features, and essential maintenance practices. By diligently following the guidelines and procedures outlined in this document, users can maximize the printer's performance, minimize operational downtime, and enhance the overall efficiency of their marking processes.** Advanced FAQs:

1. How can I optimize print quality for various substrates? 2. What are the best practices for integrating the Videojet Excel 170i with existing manufacturing systems? 3. How can I implement preventative maintenance schedules to prevent costly repairs? 4. What are the specific steps to resolve common network connectivity issues? 5. How can I ensure data integrity and traceability through VDP implementation? References: (List relevant academic journals, industry reports, and manufacturer

documentation here. Examples might include Videojet's official documentation, s on inkjet printing technologies, and relevant safety standards.) Note:** This is a framework. To create a truly comprehensive , you would need to fill in the specifics with data, examples, visual aids (diagrams, charts, photographs), and detailed instructions. You would also need to carefully reference and cite sources throughout the document. Remember to focus on the user perspective and avoid overly technical jargon.

Unlock the Power of Your Videojet Excel 170i: A Comprehensive User Guide

So, you've got a Videojet Excel 170i marking and coding system on your production line, and you're ready to leverage its capabilities for clear, consistent, and reliable product identification. That's fantastic! The Excel 170i is a workhorse in the industrial marking world, designed for efficiency and versatility. But like any sophisticated piece of equipment, getting the most out of it requires understanding its nuances. This comprehensive user guide is here to demystify your Videojet Excel 170i, empowering you to operate, maintain, and troubleshoot it like a pro.

Whether you're a seasoned operator or just getting started, we'll walk you through everything from basic setup to advanced features. We'll delve into the heart of how this Continuous Inkjet (CIJ) printer works, its key components, and how to ensure its longevity. Get ready to streamline your operations and achieve flawless product marking with your Videojet Excel 170i.

Understanding Your Videojet Excel 170i: The Basics

Before we dive into operation, let's get acquainted with the fundamentals of your Videojet Excel 170i. This powerful CIJ printer is designed to mark a wide range of substrates, from porous materials to smooth plastics, at high speeds. Its core function is to eject precisely controlled ink droplets onto your products, creating visible codes such as batch numbers, expiry dates, product names, and logos.

Key Components of the Videojet Excel 170i

To truly master your printer, it's essential to know its main parts and their roles. Here's a breakdown:

1. **Printhead:** This is the business end of the printer, responsible for generating and directing the ink spray. It houses the nozzles that form the printed characters.
2. **Ink System:** This includes the ink tank, solvent tank, pumps, filters, and internal tubing. It's crucial for supplying the correct type and amount of ink and solvent to the printhead.
3. **Control Module/Display:** This is your interface with the printer. It's where you select messages, adjust settings, monitor performance, and receive error alerts. The Videojet Excel 170i typically features an intuitive graphical user interface (GUI) for easy navigation.
4. **Power Supply:** As the name suggests, this component provides the necessary electrical power for all the printer's operations.
5. **Enclosure:** The robust housing protects the internal components from the harsh industrial environment, ensuring durability and reliability.

How a Continuous Inkjet (CIJ) Printer Works

The Videojet Excel 170i operates using the CIJ principle. Here's a simplified explanation:

1. **Ink Charging:** Ink is pressurized and sent to the printhead.
2. **Droplet Formation:** As the ink exits the nozzle, an electric charge is applied to it.
3. **Deflection:** The charged ink stream passes through an electric field. Based on the desired character to be printed, specific droplets are deflected either towards the product or into a gutter (for recirculation).
4. **Marking:** The deflected droplets form the characters on the moving product.

This continuous flow of ink and precise control over droplet deflection is what allows for high-speed, high-resolution marking. Understanding this fundamental process can help in troubleshooting common [videojet excel 170i problems](#).

Getting Started: Setup and Initial Configuration

The initial setup of your Videojet Excel 170i is critical for optimal performance and longevity. While professional installation by a Videojet technician is always recommended, understanding these steps will help you be prepared and aware.

Unpacking and Installation Considerations

When your printer arrives, ensure it's handled with care. The installation site is crucial:

1. **Environment:** The printer should be installed in a clean, dry area with a stable temperature, away from excessive dust or moisture. Refer to your [Videojet Excel 170i manual](#) for specific environmental requirements.
2. **Power:** Ensure a stable and properly grounded power source is available.
3. **Ventilation:** Adequate ventilation is important, especially for solvent fumes.
4. **Mounting:** The printer can be floor-mounted or mounted on a stand. The printhead needs to be positioned correctly relative to the product.

Installing Ink and Solvent Cartridges

The Videojet Excel 170i uses a clean, cartridge-based system for its consumables. This makes refilling straightforward and minimizes operator exposure.

1. **Identify Ports:** Locate the designated ports for ink and solvent on the printer.
2. **Remove Seals:** Carefully remove the seals from the new ink and solvent cartridges.
3. **Insert Cartridges:** Align the cartridges with their respective ports and push them firmly until they click into place. The printer's system will recognize the cartridge type.

Always use genuine Videojet consumables designed for your specific Excel 170i model. Using non-approved inks or solvents can lead to print quality issues, damage to the printhead, and void your warranty.

Initial Power-Up and System Check

Once everything is connected, it's time for the initial power-up:

1. **Turn On:** Power on the printer using the main power switch.
2. **System Initialization:** The printer will go through a self-diagnostic and initialization sequence. This may take a few minutes.
3. **Display Prompts:** Follow any on-screen prompts for initial setup, such as language selection or basic configuration.
4. **Priming:** The system will likely initiate a priming cycle to ensure ink flows correctly to the printhead.

Operating Your Videojet Excel 170i: Creating and Managing Messages

The user interface of the Videojet Excel 170i is designed for ease of use. Here's how you'll typically create and manage your product codes.

Navigating the User Interface

The graphical display allows you to:

1. **Access Menus:** Navigate through different menus for message editing, settings, maintenance, and diagnostics.
2. **Select Messages:** Choose from a library of pre-saved messages to print on your products.
3. **Edit Messages:** Modify existing messages or create new ones from scratch.
4. **Monitor Status:** Keep an eye on ink levels, system status, and any active alerts.

Familiarize yourself with the function keys and navigation buttons to speed up your workflow.

Creating and Editing Print Messages

Creating a new message or editing an existing one is a straightforward process:

1. **Access Message Editor:** Navigate to the message editing section via the main menu.
2. **Select Font and Size:** Choose the desired font type and size for your text. The Excel 170i supports various font options.
3. **Add Text Fields:** Input alphanumeric characters, dates, times, batch codes, or other variable data.
4. **Insert Date/Time Codes:** Utilize built-in functions for dynamic date and time stamping, including expiry date calculations.
5. **Add Logos/Graphics:** If supported, you can import and add simple logos or graphics to your messages.
6. **Position Elements:** Arrange text fields, dates, and graphics on the print area to achieve your desired layout.
7. **Save Message:** Once you're satisfied, save your message with a descriptive name.

Setting Up Print Parameters

Beyond the message content, several print parameters influence the quality and application of your code:

1. **Print Speed:** Match the printer's speed to your production line speed.
2. **Print Delay:** Adjust the delay between the product reaching the print sensor and the printhead firing.

3. **Print Orientation:** Select the correct orientation for your printed message.
4. **Print Resolution:** Choose the appropriate resolution for clarity and legibility.

Printing and Line Integration

Integrating your Videojet Excel 170i into your production line is key:

1. **Sensors:** The printer typically uses an external sensor to detect the presence of a product, triggering the print cycle. Ensure the sensor is correctly positioned and aligned with your product.
2. **Conveyor Belt Synchronization:** The printer needs to be synchronized with the speed of your conveyor belt for accurate code placement.
3. **Operator Training:** Ensure all operators are adequately trained on how to start, stop, and operate the printer safely.

Maintenance for Optimal Performance and Longevity

Regular maintenance is the cornerstone of reliable operation and extending the lifespan of your Videojet Excel 170i. Neglecting maintenance can lead to costly downtime and repairs.

Daily Checks and Cleaning

These are quick tasks you can perform at the start of each shift:

1. **Visual Inspection:** Check for any leaks, damage, or loose connections.
2. **Printhead Cleaning:** Gently clean the printhead nozzle area with the recommended cleaning solution and a lint-free cloth. This is crucial for preventing clogged nozzles.
3. **Ink and Solvent Levels:** Verify that ink and solvent levels are adequate.
4. **Message Verification:** Print a test message to ensure print quality is acceptable.

Weekly and Monthly Maintenance Procedures

These tasks require a bit more time and attention:

1. **Filter Replacement:** Replace air filters and ink filters as per the recommended schedule in your manual. Clogged filters can restrict ink flow and affect print quality.
2. **Printhead Flush:** Perform a printhead flush using the printer's automatic cleaning cycle. This helps to remove any dried ink residue.
3. **Check Connections:** Inspect all electrical and pneumatic connections.

Consumables Management: Ink and Solvent

Your Videojet Excel 170i relies on specific ink and solvent formulations for optimal performance. Always:

1. **Use Genuine Videojet Consumables:** This is non-negotiable for maintaining print quality and system integrity.
2. **Store Consumables Properly:** Keep ink and solvent cartridges in a cool, dry place, away from direct sunlight.
3. **Monitor Expiry Dates:** Ink and solvent have a shelf life.

Software Updates and Firmware

Periodically, Videojet may release software updates or firmware enhancements for your Excel 170i. These updates can improve performance, add new features, or address bugs. Consult your service provider or Videojet support for information on available updates and how to install them.

Troubleshooting Common Videojet Excel 170i Issues

Even with meticulous maintenance, you might encounter occasional issues. Here are some common Videojet Excel 170i problems and their potential solutions:

Print Quality Problems

Issue: Faded or Incomplete Print.

1. **Cause:** Low ink, clogged nozzle, incorrect printhead-to-product distance, worn printhead.
2. **Solution:** Check ink levels, clean printhead, adjust printhead distance, ensure correct ink type is used.

Issue: Streaky or Gappy Print.

1. **Cause:** Partially clogged nozzle, air bubbles in the ink line, incorrect solvent viscosity.
2. **Solution:** Perform a printhead flush, check for air leaks, ensure correct solvent is used.

Issue: Inconsistent Dot Placement.

1. **Cause:** Printhead not properly aligned, incorrect line speed synchronization, vibration.
2. **Solution:** Realign printhead, ensure proper line speed settings, reduce vibration if possible.

System Error Codes

Your Videojet Excel 170i will display error codes on the screen when a problem is detected. These codes are designed to help pinpoint the issue. Always refer to your Videojet Excel 170i manual or the Videojet online knowledge base for a detailed explanation of specific error codes and their recommended solutions.

Common error categories include:

1. **Ink System Errors:** Related to ink flow, pressure, or component failure.
2. **Printhead Errors:** Issues with the printhead operation or electrical connections.
3. **Communication Errors:** Problems with external devices or network connections.
4. **Environmental Errors:** Indicating conditions outside the printer's operating parameters.

When to Call for Service

While this guide provides solutions for common issues, some problems require professional attention. Contact your authorized Videojet service provider if:

1. You encounter recurring error codes that you cannot resolve.
2. The printer exhibits persistent performance issues despite following maintenance procedures.
3. You suspect a mechanical or electrical failure.
4. You need assistance with complex setup or integration.

Regular service calls by certified technicians can prevent minor issues from becoming major problems and ensure your printer is always operating at its best.

Advanced Features and Customization

The Videojet Excel 170i offers more than just basic coding. Explore its advanced capabilities to further optimize your marking operations.

Network Connectivity and Remote Monitoring

Many Videojet Excel 170i models offer network connectivity options. This allows for:

1. **Remote Message Management:** Upload, download, and manage messages from a central computer.
2. **Real-time Monitoring:** Track printer status, performance data, and alerts remotely.
3. **Integration with MES/ERP Systems:** Connect with your Manufacturing Execution Systems (MES) or Enterprise Resource Planning (ERP) systems for seamless data flow and traceability.

Customizable Message Fields and Automation

Leverage the power of dynamic message fields to automate your coding:

1. **Shift Codes:** Automatically update shift information based on the time of day.
2. **Production Counters:** Increment a counter with each product marked.
3. **Data Matrix and Barcode Generation:** Create 1D and 2D barcodes for enhanced traceability and serialization.

Multiple Printhead Configurations

Depending on your application, some Videojet Excel 170i systems might support multi-line printing or the use of multiple printheads to mark different sides of a product simultaneously.

Conclusion: Your Partner in Product Identification

The Videojet Excel 170i is a powerful and versatile tool that, when properly understood and maintained, can significantly enhance your production line's efficiency and product traceability. By familiarizing yourself with its components, mastering its operation, and adhering to a proactive maintenance schedule, you'll ensure consistent, high-quality marking for years to come.

Remember, this guide is a starting point. Always refer to your official [Videojet Excel 170i manual](#) for the most accurate and detailed information specific to your model. Embrace the capabilities of your printer, and unlock its full potential to meet your demanding production needs.

Comprehensive User Guide for VideoJet Excel 170i: Mastering Professional Video Editing on a Compact

Workstation

VideoJet Excel 170i stands as a powerful yet compact solution designed for video editors and content creators seeking precision and portability. This advanced workstation integrates high-performance video processing with intuitive user controls, making it ideal for professionals who demand efficiency without sacrificing quality. Whether editing 4K footage, color grading, or managing multimedia workflows, the Excel 170i delivers a seamless experience tailored to modern editing needs.

Overview of VideoJet Excel 170i's Design and Core Features

At its core, the VideoJet Excel 170i is engineered for ergonomic performance. Its compact form factor belies robust internal architecture, featuring a multi-core processor, dedicated GPU acceleration, and ample RAM to handle demanding video workloads. The system runs on a custom-optimized video editing platform that supports industry-standard formats, including ProRes, H.265, and DNxHR, ensuring minimal lag and consistent playback across large media files. What sets the Excel 170i apart is its user-centric design—ergonomic keyboard layout, responsive touchscreen interface, and customizable control panels allow editors to maintain full creative control with minimal distraction. The device also supports external hardware integration, enabling external SSDs for faster file access, external monitors for dual-screen editing, and professional audio interfaces for synchronized sound design. These features collectively transform the Excel 170i into a mobile powerhouse capable of standing up to professional editing tasks without reliance on bulky desktop rigs.

Key Insights: Applications and Use Cases

The VideoJet Excel 170i shines in a variety of real-world applications. Video journalists use it to rapidly assemble field footage, applying basic color correction and captioning on the go. Content creators and YouTubers rely on its streamlined interface for quick edits, live streaming overlays, and real-time visual effects. Educators and trainers leverage the Excel 170i to produce polished instructional videos efficiently, even with limited studio space. Its portability makes remote work easier, supporting field reporting or on-location shoots where access to full production suites is impractical. Moreover, the system's compatibility with popular editing plugins and LUT libraries ensures that users aren't confined by software limitations. This openness encourages experimentation and scaling, whether for solo creators or small teams aiming to maintain high production value without overhead.

Maximizing Benefits: Productivity, Accessibility, and Scalability

One of the most compelling benefits of the VideoJet Excel 170i is its ability to boost productivity through intuitive design and powerful automation. Built-in shortcuts, keyboard layouts optimized for video applications, and real-time preview tools reduce editing cycle times significantly. The device's responsive touch interface allows for smooth scrubbing, zooming, and precise trimming—features that enhance creative flow and reduce fatigue during extended sessions. Accessibility is another strength; the Excel 170i supports customizable display settings, color calibration tools, and multi-monitor setups, empowering users to tailor their environment to personal preferences and workflow demands. Additionally, its expansion ports and compatibility with industry-standard peripherals ensure future scalability, enabling integration with external storage, audio gear, or specialized hardware as needs evolve. For small studios and independent creators, the Excel 170i represents a smart investment: a versatile, high-performance tool that adapts to growing projects without requiring hardware upgrades. It bridges the gap between portable devices and professional workstations, offering reliable

performance without the bulk, cost, or complexity.

Future Outlook: Innovation and Expansion in Videojet Excel Series

As video consumption continues to surge across digital platforms, the Videojet Excel 170i is poised to evolve alongside emerging trends. The development team behind the Excel series is actively enhancing the platform with AI-assisted editing features, predictive rendering, and cloud integration—features that promise to elevate efficiency and collaboration. Future updates may include advanced machine learning tools for automatic scene detection, smart tagging, and adaptive resolution scaling, further simplifying post-production workflows. With ongoing software updates and hardware refinements, the Excel 170i is set to remain a forward-looking choice for professionals who value agility, quality, and innovation. Its continued development underscores a commitment to empowering creators with tools that keep pace with the dynamic demands of modern media production. In essence, the Videojet Excel 170i isn't just a video editing workstation—it's a versatile companion for creators who demand performance, precision, and portability in equal measure.

Unlock the Full Potential of Your Videojet Excel 170i: A Comprehensive User Guide

The Videojet Excel 170i inkjet printer is a workhorse in many industrial settings, renowned for its reliability, speed, and versatility. From pharmaceutical packaging to food and beverage labeling, this continuous inkjet (CIJ) printer delivers crisp, legible codes essential for product traceability, brand protection, and regulatory compliance. However, to truly harness its capabilities and ensure optimal performance, a thorough understanding of its operation is paramount. This comprehensive user guide delves deep into the functionalities of the Videojet Excel 170i, offering insights into setup, operation, maintenance, and troubleshooting, designed to empower operators and technicians alike.

Understanding the Videojet Excel 170i: Key Features and Benefits

Before we dive into the operational aspects, it's beneficial to appreciate what makes the Videojet Excel 170i a preferred choice. Its robust design, coupled with advanced technology, allows for high-speed printing on a wide range of substrates. Key features include:

1. **High-Resolution Printing:** Capable of producing sharp, clear codes, including dates, batch numbers, logos, and barcodes.
2. **Versatile Application:** Suitable for various industries and product types, from porous to non-porous surfaces.
3. **User-Friendly Interface:** Intuitive controls and a clear display simplify operation and message creation.
4. **Durable Construction:** Engineered to withstand demanding industrial environments.
5. **Efficient Ink System:** Designed for minimal waste and optimal ink utilization.

Setting Up Your Videojet Excel 170i: A Step-by-Step Approach

Proper setup is the foundation of reliable operation. This section will guide you through the initial configuration of your Videojet Excel 170i.

Unpacking and Installation

Carefully unpack the printer and its accessories, referring to the manufacturer's provided **Videojet 170i installation manual**. Ensure all components are present and undamaged. The printer should be placed on a stable surface in a location that meets the environmental requirements specified by Videojet (e.g., temperature, humidity). Connect the necessary power and air supplies as instructed.

Ink and Solvent Loading

The Videojet Excel 170i utilizes specific Videojet inks and solvents. Always use genuine Videojet consumables to maintain print quality and prevent damage to the printhead and internal components. Refer to the printer's display or your **Videojet consumables guide** for the correct loading procedures. Typically, this involves inserting the ink and solvent cartridges into their designated slots. The printer will automatically detect the type and level of the consumables. It's crucial to ensure proper sealing to prevent evaporation.

Priming the System

Once consumables are loaded, the printer needs to be primed to fill the ink lines and prepare the printhead for operation. Follow the on-screen prompts on the printer's interface. This process typically involves flushing the system with solvent and then ink. Allow sufficient time for the priming cycle to complete. A successful prime is indicated by the absence of air bubbles in the ink system and a clean printout during testing.

Connecting to Your Production Line

The Videojet Excel 170i is designed for seamless integration into existing production lines. Depending on your setup, you may need to adjust the printhead position for optimal code placement on your products. Ensure the conveyor belt speed is synchronized with the printer's speed for consistent code application. For networked printers, connect the Ethernet cable and configure network settings as per the **Videojet Excel 170i network configuration** instructions.

Operating Your Videojet Excel 170i: Mastering the Interface and Messaging

The user interface is your gateway to controlling the printer's functions. Familiarizing yourself with its layout and capabilities will significantly enhance your efficiency.

The Control Panel and Display

The Videojet Excel 170i typically features an intuitive touchscreen display. Key areas of the interface include:

1. **Home Screen:** Provides an overview of the printer status, including ink levels, print status, and active messages.

2. **Message Editor:** Allows for the creation, editing, and selection of print messages.
3. **Settings Menu:** Access to system parameters, such as print speed, print delay, and diagnostic tools.
4. **Maintenance Functions:** For routine tasks like cleaning and system checks.

Creating and Editing Print Messages

The ability to create and manage diverse print messages is a core strength of the Videojet Excel 170i. Here's a general workflow:

1. **Select "Message Editor":** Navigate to the message creation screen.
2. **New Message:** Choose to create a new message or edit an existing one.
3. **Add Text and Fields:** You can add static text (e.g., company name), and dynamic fields like date codes, batch codes, or counters. The **Videojet 170i programming** capabilities allow for complex field configurations.
4. **Positioning and Formatting:** Drag and drop elements to position them on the virtual print area. Adjust font size, style, and boldness as needed.
5. **Saving the Message:** Once satisfied, save the message. You can create multiple messages and store them on the printer for quick selection.

Consider using the **Videojet message software** for more advanced message design and management, especially for large-scale operations.

Starting and Stopping the Printer

Starting and stopping the printer is straightforward:

1. **Start-up:** Typically, you'll select "Start Printer" from the main menu. The printer will go through its start-up sequence, which includes printhead warming and system checks.
2. **Standby Mode:** For short breaks, you can put the printer into standby mode. This conserves ink and solvent while keeping the printhead ready for immediate use.
3. **Shutdown:** For longer periods of inactivity or maintenance, follow the shutdown procedure. This usually involves a "Shutdown" command that safely cleans the printhead and prepares the system for storage.

Selecting and Printing Messages

Once messages are created, you can select them for printing. On the home screen, you'll usually find an option to "Select Message." Browse through your saved messages and choose the one you wish to print. Ensure the printer is in "Run" mode for printing to commence.

Maintaining Your Videojet Excel 170i: Essential Procedures for Longevity

Regular maintenance is crucial for maximizing the lifespan of your Videojet Excel 170i and minimizing downtime. Adhering to the recommended **Videojet maintenance schedule** will prevent costly repairs and ensure consistent print quality.

Daily Checks and Cleaning

1. **Printhead Cleaning:** The printhead is the heart of the printer. Daily cleaning is essential to prevent nozzle clogs. Use the automated cleaning cycle or a lint-free wipe dampened with approved Videojet cleaning solution. Refer to the **Videojet 170i cleaning instructions** for specific steps.
2. **Nozzle Inspection:** Visually inspect the printhead nozzles for any debris or blockages.
3. **Fluid Levels:** Check ink and solvent levels and replenish as needed.
4. **General Wipe Down:** Keep the printer's exterior clean to prevent dust and debris buildup.

Weekly and Monthly Maintenance

Beyond daily tasks, schedule more in-depth maintenance:

1. **Filter Replacement:** Over time, filters can become clogged, affecting ink flow. Follow the recommended schedule for replacing ink filters and air filters.
2. **Viscosity Control Check:** The printer automatically monitors and adjusts viscosity, but a manual check may be recommended during routine servicing.
3. **Printhead Alignment:** Ensure the printhead is correctly aligned with the product for optimal print placement.
4. **Software Updates:** Keep your printer's firmware updated with the latest versions from Videojet to benefit from new features and performance enhancements.

Understanding Videojet Consumables and Their Importance

The choice of ink and solvent significantly impacts print quality and printer longevity. Videojet offers a wide range of formulations designed for specific applications and substrates:

1. **CIJ Inks:** Available in various colors and formulations for different adhesion properties (e.g., fast-drying, UV-resistant, food-grade).
2. **Solvents:** Used to maintain the correct ink viscosity and for printhead cleaning.
3. **Make-up Fluid:** Sometimes used in conjunction with solvents.

Always refer to the **Videojet Excel 170i ink compatibility chart** to ensure you are using the correct consumables for your printer model and application. Using non-genuine consumables can lead to voided warranties and significant operational issues.

Troubleshooting Common Videojet Excel 170i Issues

Even with diligent maintenance, occasional issues may arise. Knowing how to troubleshoot effectively can save valuable production time.

Print Quality Problems

1. **Faded or Incomplete Codes:** Check ink levels, ensure the printhead is clean and free from blockages, verify message settings, and confirm the correct ink type is being used.
2. **Smudged Codes:** This can be due to incorrect drying time for the ink, high humidity, or improper conveyor speed. Adjust print delay or product speed.
3. **Misaligned Prints:** Ensure the printhead is correctly positioned and secured. Check for any obstructions on the production line that might be causing vibration.

System Error Messages

The Videojet Excel 170i will display error codes on its screen to indicate specific problems. Consult your **Videojet Excel 170i error code list** (often found in the full user manual or on the Videojet support website) for detailed explanations and recommended solutions. Common errors might relate to:

1. **Ink System Malfunctions:** Low ink, air in the system, or pump issues.
2. **Environmental Warnings:** Over-temperature, under-temperature, or humidity alerts.
3. **Communication Errors:** Problems with network connectivity or external sensors.

When to Contact Videojet Support

If you encounter persistent issues that you cannot resolve through basic troubleshooting, or if you are dealing with critical system errors, it is advisable to contact authorized Videojet support. They have the expertise and diagnostic tools to address complex problems and can guide you through advanced **Videojet 170i service procedures**.

Conclusion: Maximizing Your Videojet Excel 170i Investment

The Videojet Excel 170i is a powerful tool for modern manufacturing. By understanding its operational nuances, adhering to a strict maintenance regimen, and knowing how to troubleshoot common issues, you can ensure its consistent performance and reliability. This user guide provides a solid foundation, but always refer to the official Videojet documentation and consider training for your operators to fully unlock the potential of your Videojet Excel 170i and maintain efficient, high-quality production.

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No	Question	Answer
1	Where can I find the official User Guide for my Videojet Excel 170i printer?	The most reliable source for the official Videojet Excel 170i User Guide is the Videojet website. Navigate to their support or documentation section and search for your specific model. You may need to register for an account to download it.
2	What are the basic setup steps recommended in the Videojet Excel 170i User Guide?	The User Guide typically outlines essential setup, including proper unpacking, connecting power and ink supplies, initial printer calibration, and setting up network connectivity. Always follow the guide's step-by-step instructions for a smooth installation.
3	My Videojet Excel 170i isn't printing clearly. What troubleshooting tips does the User Guide offer?	The User Guide usually has a dedicated troubleshooting section. For print quality issues, it will likely suggest checking ink levels, printhead cleanliness, nozzle condition, and confirming correct print settings in the software. Refer to the guide for specific diagnostic procedures.
4	How do I perform routine maintenance on my Videojet Excel 170i as per the User Guide?	Routine maintenance is crucial. The User Guide will detail regular tasks such as cleaning the printhead, checking filter integrity, ensuring proper fluid levels, and inspecting the overall system for any debris. Adhering to these guidelines extends printer life.
5	What kind of error messages should I look for in the Videojet Excel 170i User Guide?	The User Guide will list common error codes and their meanings. Familiarize yourself with these, as they are the first indicator of a problem. The guide will provide solutions or next steps for each identified error.

6	Can the User Guide help me understand the different ink types compatible with the Videojet Excel 170i?	Yes, the User Guide often includes a section on consumables, detailing the recommended ink types for the Excel 170i based on your application and the materials you're printing on. It might also mention solvent and makeup fluid compatibility.
7	Is there a section in the User Guide about software updates or upgrades for the Videojet Excel 170i?	While not always detailed in a basic user guide, more comprehensive documentation or separate update notes will discuss software updates. The User Guide might direct you on how to check for available firmware and where to download it from Videojet.
8	What safety precautions are highlighted in the Videojet Excel 170i User Guide?	Safety is paramount. The User Guide will emphasize precautions related to handling inks and solvents, electrical safety, avoiding moving parts, and proper ventilation. Always read and understand these safety warnings before operating the printer.

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User Guide For Videojet Excel 170i eBooks provide structured digital knowledge.

Core Discussion

Digital books help readers maintain productivity.

Practical Use

User Guide For Videojet Excel 170i eBooks support consistent study routines.

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