



Designed for
your goals.

Built for
your reality.

VIDEOJET 1550 AND 1650 CONTINUOUS INK JET PRINTERS



PRODUCTION
ACTIVITY

1ST SHIFT 2ND SHIFT 3RD SHIFT

TAKT TIME SHEET

Time	Target	Actual (1hr)	Actual (2hr)	Actual (3hr)	Comments
8:30	440	504			
9:00	440	504			
9:30	440	504			
10:00	440	504			
10:30	440	504			
11:00	440	504			
11:30	440	504			
12:00	1,640				
12:30	1,640				
1:00	1,640				

TAKT TIME SHEET

Time	Team Name	Subcomponent	Comments
8:30	SWT	1.3.1	1.3.1
9:00	SWT	1.3.1	1.3.1
9:30	SWT	1.3.1	1.3.1
10:00	SWT	1.3.1	1.3.1
10:30	SWT	1.3.1	1.3.1
11:00	SWT	1.3.1	1.3.1
11:30	SWT	1.3.1	1.3.1

WEIGHT
STUDY

A man wearing a grey button-down shirt, khaki pants, safety glasses, and a white hairnet. He is holding a clipboard and pen, and appears to be in conversation with another person.

A man wearing a dark blue short-sleeved shirt, dark pants, and a white hairnet. He is seen from the back, with his hands on his hips, looking towards the first man.





It's not about bells and whistles.

It's about what you need to meet your goals in the real world.

The practical world, where codes need to be right every day, every time. A world where uptime and continuous improvement are directly reflected in your metrics. Where the goal is to shrink downtime and expand true availability. And where maintenance is a predictable, preventive routine. That's what Videojet 1550 and 1650 printers are all about.

Your goals. Your reality.

Videojet is your partner for productivity.

UPTIME ADVANTAGE

Minimize the frequency and duration of planned and unplanned downtime

PRODUCTIVITY TOOLS

Get to the root cause of downtime events – and fix them for good

THE RIGHT CODE

Help prevent coding mistakes and make sure the right codes print on the right products

SIMPLE OPERATION

Focus more on production, less on user interaction and maintenance

Your goal is uptime, pure and simple

No excuses. No ifs, ands, or buts.

The more scheduled production time, and the more equipment availability during that time, the more you hit your targets. In the real world, there's unplanned downtime. Difficult maintenance procedures. Shutdowns, headaches and setbacks. Standing in the way of your goals.



Uptime Advantage

Recent customer field results show:

99.9% AVAILABILITY*

* Results of 99.9% availability obtained from a survey of customers representing over 400 printers on active production lines. Over half of the surveyed customers experienced 100% availability. Individual results may vary.



LESS FREQUENT PRINTHEAD CLEANINGS

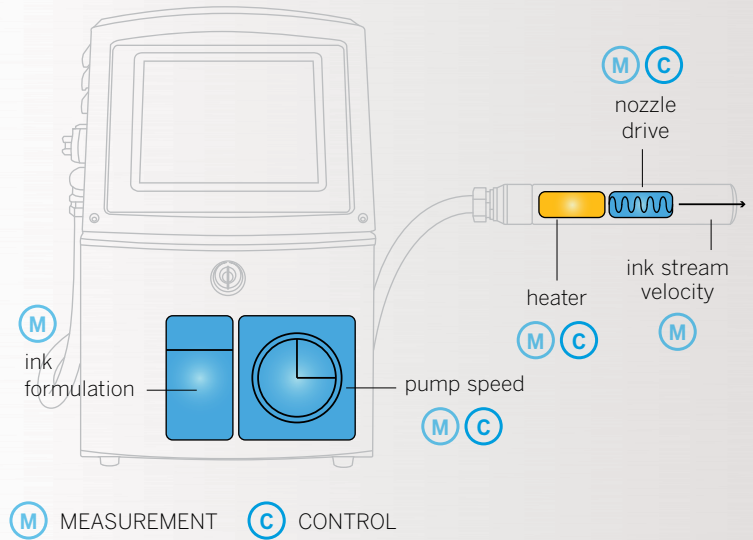
Our patented CleanFlow™ printhead design provides a positive flow of filtered air to reduce ink buildup that can cause ordinary ink jet printers to shut down. So you get reliably clear and consistent codes, and run longer between printhead cleanings.

YOUR GOAL IS TO MAXIMIZE PLANNED PRODUCTION TIME. MAKE SURE UNPLANNED DOWNTIME DOESN'T GET IN THE WAY.

Uptime drives Overall Equipment Effectiveness (OEE). And OEE drives profits. Every manufacturer's goal is to bring production lines as close as possible to 100 percent uptime. For variable coding processes, Videojet's 1550 and 1650 printers help you get there, with innovations no other printers can deliver.

Our exclusive CleanFlow™ printhead and Dynamic Calibration™ resist ink buildup and help ensure print quality to keep the printer running reliably. Our long-lasting core provides industry-leading runtimes – up to 14,000 hours of continuous operation between planned maintenance procedures that your staff can perform.

And our 1550 and 1650 printers provide Availability metrics that can be configured to your measurement preferences.



DYNAMIC CALIBRATION™ FOR BETTER PRINT QUALITY

Dynamic Calibration™ applies some of the industry's most sophisticated measurements and controls to adjust jetting parameters automatically. As ambient temperature and humidity change throughout the day and across the seasons, you can count on the same great print quality – only from Videojet.

MATCH THE MEASUREMENT TO YOUR OPERATION

Configure the printer to track Availability the way you want. Track against Power-On time – meaning the printer is turned on. Or track against Jets-On time – meaning ink is cycling and the printer is either printing or ready to print on demand. Choose the method that best represents your planned production time and OEE methods.

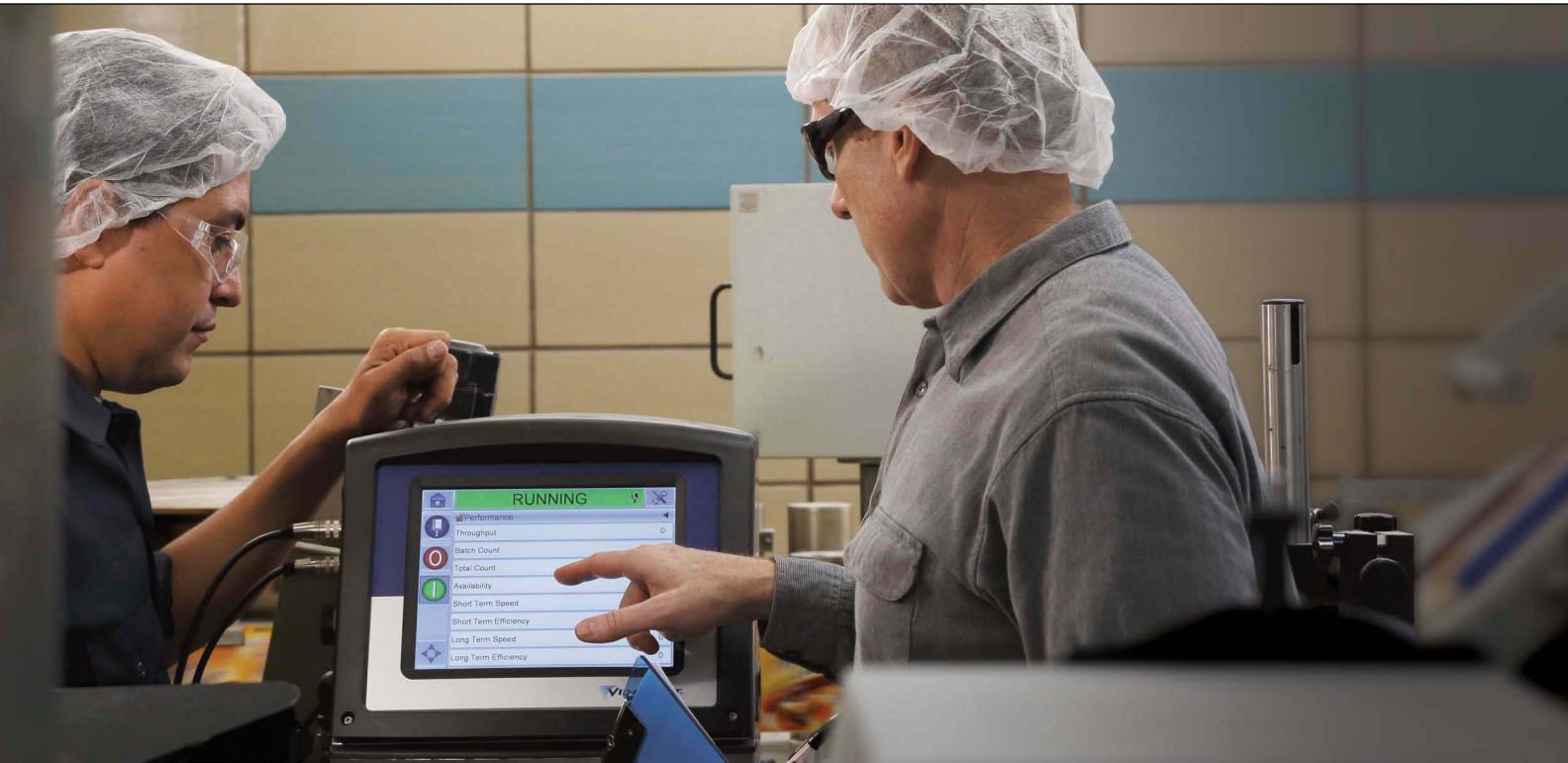


Information you can act on to improve productivity

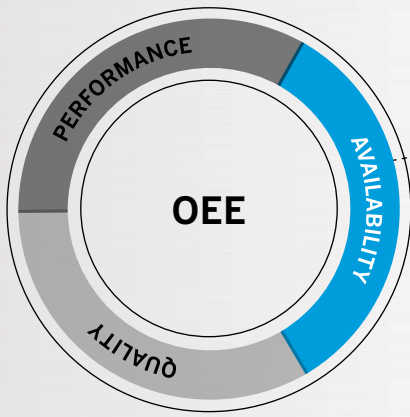
Your targets only get tougher over time. You need to be producing, not struggling.

What kind of information would it take to discover root causes of downtime and put them behind you?

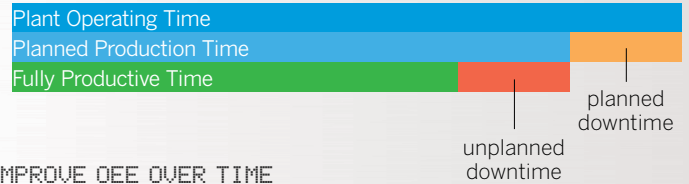
So you can hit your targets today, and make sustainable improvements for even greater productivity tomorrow?



Productivity Tools



Availability Percentage = Uptime/Potential Production Time



IMPROVE OEE OVER TIME

The 1550 and 1650 printers are designed to support continuous OEE improvement, providing usable information you can act upon – whether that means changing a print parameter or correcting an operator procedure.

TO CONTINUOUSLY IMPROVE UPTIME AND OEE, YOU NEED MORE THAN AVAILABILITY PERCENTAGES. Without understanding the context of this information, you can't solve the problem. You need the ability to focus on the biggest issues and drill down to discover the root causes of unplanned downtime.

More than the status of technical functions, the 1550 and 1650 printers display details about both Printer Availability and Operational Availability. Drill down into Printer Availability data to discover technical and operational causes of unplanned downtime. Everything is presented in a logical way to support efficient and effective problem-solving.

The CLARiTY™ interface displays the information you need to quickly learn not just what happened, but what's really going on. So you can confidently identify the root cause of downtime and fix it to achieve sustainable process improvements.



RECOVER FASTER FROM A FAULT

Our CLARiTY™ interface gives you instant fault information that you can use to troubleshoot problems and get your line back up and running ASAP.

SEE THE BIGGEST DRIVERS OF DOWNTIME

REVIEW FREQUENCY AND DURATION

DIAGNOSE ROOT CAUSE, MAKE PROCESS IMPROVEMENTS



The 1550 and 1650 CLARiTY™ interface presents fault information in a logical way that allows you to identify and focus on the biggest issues and drill down to discover the root causes of unplanned downtime.

RESULT: You can take action to eliminate the root cause and achieve sustainable improvements.

Foolproofing code entry

This is how your goal looks: Never, ever a wrong code, a wrong date, a wrong lot identification. Ever.

This is how reality looks: Codes that are one digit off, dates that don't exist, codes on wrong products, typing errors, wrong offset dates. Coding errors that are likely to be operator errors 50% – 70% of the time.

Bad codes can mean waste, rework, regulatory fines and potential damage to your brand. Let that happen to the other guys. We can help you keep your line productive, and your brand strong.



The Right Code



◀ FOOLPROOF SET-UP WIZARDRY

Easily create error-proofing rules during job setup – such as whether or not fields can be edited, permissible data types, date range restrictions and more.

WELCOME TO CODE ASSURANCE, VIDEOJET'S COMPREHENSIVE APPROACH TO PRINTING THE RIGHT CODES ON THE RIGHT PRODUCTS.

Our advanced software minimizes and mistake-proofs operator inputs to the coding and marking process to help eliminate errors.

Easily create error-proofing rules during setup – for example, whether or not fields can be edited, permissible data types and date range restrictions. The operator is limited to the choices you specified, with field prompts, drop-down menus, calendar displays and predefined formats that help ensure correct entries. A preview of the print layout must then be confirmed before starting the job.

Want even more code assurance? Add CLARISOFT™ to get rules-based code creation on your office PC and prevent unauthorized users from editing rules or codes. Add CLARINET™ and you can push codes to one or more printers automatically over your existing network and pull data from a database to populate your codes, further reducing the opportunity for mistakes.



▲ VISUAL JOB SELECTION

Jobs files can be saved and searched using meaningful names, such as the product that is being coded. A preview of the message provides additional confidence that the right job is loaded.



▲ STEP-BY-STEP GUIDED DATA ENTRY

Based on the rules you defined during job setup, only permissible fields can be edited. The print job can be loaded only after the operator has confirmed each entry.

MULTIPLE CHOICES FOR MINIMAL ERRORS ▶

Data-entry screens limit operators to the choices defined during job setup. Entering a date? Choose it from a calendar showing permissible expiration dates. A country code? Choose it from a drop-down list. A lot code? Load it into a predefined format automatically.



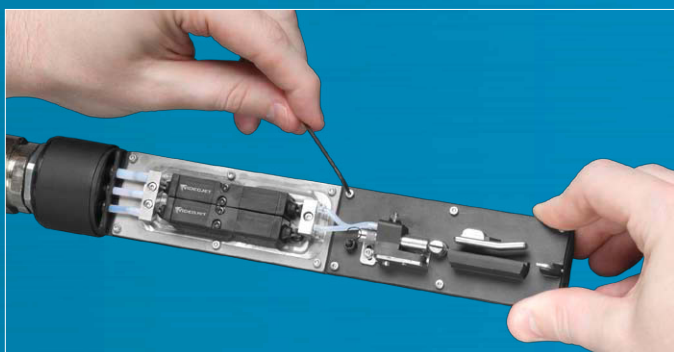
Simple Operation



Interactive touchscreen: Our bright 264mm (10.4") touchscreen makes it easy to monitor job status at a distance. And our fast, intuitive interface streamlines daily interaction, clearly displaying real-time fluid levels, maintenance alerts, print jobs and other operational information.



Modular core: The advanced core design enables 1550 and 1650 printers to perform up to 14,000 hours between planned maintenance. The core is customer-replaceable, and includes all ink system filters and common wear parts.



Modular printhead design: Automatic setup, calibration and adjustment helps ensure consistent performance with minimal operator intervention. The printhead is easy to clean and provides long runs between cleanings, with fast, easy startup even after extended shutdown.

THE VIDEOJET 1550 AND 1650 PRINTERS ARE DESIGNED FOR LIMITED AND SIMPLE INTERACTION SO YOU CAN FOCUS ON

PRODUCTION. This starts with a large, bright touchscreen. The Smart Cartridge™ fluid system significantly reduces waste, mess and mistakes. And when it's time for planned maintenance, the modular core system gets you right back to production.

SUPERIOR INK TECHNOLOGY

THE PERFECT INK FOR EVERY JOB. SPECIFIED FROM 40 YEARS OF SERVICE: Videojet's Smart Cartridge™ fluid system makes it easy to change inks on a predictable schedule, with no waste, no mess and no chance of loading the wrong ink or an incompatible make-up fluid by mistake. We fill these self-contained cartridges with the industry's highest-quality inks and fluids, formulated to meet nearly any application requirement.

Glass, plastics and metal. Oily, waxy or damp substrates. High-speed and high-temperature processes. Resistance to fading, solvents, abrasion and transfer. Compliance to local environmental regulations. Whatever your requirements, there's likely a Videojet Smart Cartridge™ ink that will handle it. And we have the expertise to help you choose the right one.



We offer inks that penetrate thin layers of condensation, withstand the pasteurization process and offer great adhesion on flexible films, HDPE and other difficult substrates.

OUTSTANDING SERVICE/SUPPORT

QUALITY, PRODUCTIVITY, UPTIME. WE'LL HELP YOU REACH YOUR GOALS: From installation and training tailored to your operational needs – to preventive maintenance and rapid response – to collaboration for continuous improvement. Our global service organization isn't just the world's largest and most responsive. It's a team of experts dedicated to your complete success, from day one through every day's productivity requirements.

We don't just want to be your supplier. We want to be part of your team, whether it's solving today's problems or helping you achieve more tomorrow than you thought possible.

For Uptime Peace of Mind™ and more, partner with Videojet.



From integrating your coding solution into your production processes to providing supplies, parts and care at the right level for your business, Videojet specialists are there for you – anywhere, anytime.



Videojet Technologies, Inc.

800-843-3610
www.videojet.com
info@videojet.com

1500 Mittel Boulevard
Wood Dale IL 60191-1073 USA
Phone: 630-860-7300
Fax: 630-616-3623

-  Global Headquarters
-  Videojet Sales & Service Offices
-  Manufacturing & Product Development
-  Countries with Videojet Sales & Service
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