

Why Choose On-Demand Over Batch Printing?

Improve patient safety with the use of On-Demand printing.

A study done by Henry Ford Hospital showed that the use of batch printing or hand labeling of slides and cassettes can result in labeling errors:

- **Slides: 21% error rate**¹
- **Cassettes: 5.7% error rate**¹

Changing their processes to include on-demand printing significantly reduced mislabeling errors:

- **Slides: 95% reduction**¹
- **Cassettes: 3.5% reduction**¹

StatLab PiSmart Cassette and Slide Printers include features for successful on-demand printing to help reduce errors:

- **Efficiency:** small footprint to place printers at each station
- **Easy to use:** simple touchscreen interface is shared by both PiSmart cassette and slide printers
- **High-Quality, fast output:** 3-5 seconds per slide or cassette
- **User Login:** After login with a badge scan, tech initials can be included with each cassette or slide printed

Tips for transitioning to on-demand printing:

Increase workflow efficiency

- Place a PiSmart Cassette Printer at each grossing station
- Place a PiSmart Slide Printer at each cutting station
- Create templates directly on printer interface or through PathSmart software
- User login with the scan of a barcode

Connect and Track

- Synchronize with other PiSmart printers in the lab
- Connect to current LIS/tracking system
- Enable PathSmart Tracking System to transform your lab to be faster, smarter, and more connected

Train staff

- Simple interface requires minimal training
- Scan individual blocks or slides when needed
- Print from hopper of choice for desired slide or block
- Set up protocols to deliver the right number—and type—of slides for specific sample types

Update Documentation

- SOPS
- Work instructions
- Training checklists

"There is no doubt that despite the best of intentions, humans err, over and over again. Intelligent redesign of the systems and processes in which we toil can eliminate opportunities for a well-intentioned and trained workforce to deviate from expectations."

-American Journal of Clinical Pathology, Volume 131 Issue 4

¹Zarbo, R.J. et al. (2009) The Henry Ford production system: Reduction of surgical pathology in-process misidentification defects by bar code–specified work process standardization, OUP Academic. Available at: <https://academic.oup.com/ajcp/>