

Lake Image Systems – Since 1994

Lake Image is a prominent provider of inspection solutions in the print industry. The company has cemented its reputation for delivering high-performance quality inspection, data verification, and process control solutions. These are essential for the production of variable data documents, labels, plastic cards, and flexible packaging at high volumes.

Best Graphics and Lake Image partnered in 2024 to offer our clients (3) of their most popular Inspection Systems: the *DISCOVERY MExpress*, *DISCOVERY Smart PQ*, & *DISCOVERY Bindery*. Each of these products are a game changer in terms of enhancing print quality, but which is right for you?



Points of Consideration

Functionality –

MExpress: Offers variable print inspection from simple code presence to variable print data verification using OCR and code reading technology, and can also control equipment with operator alerts, diverts, and equipment stop functionality.

SmartPQ: Offers advanced print quality inspection, identifying a wide range of print defects like mis-registration, smudges, streaks, and color variations. Suitable for more complex print quality demands and higher-end applications.

Bindery: Tailored for bindery departments, it emphasizes the integrity of the finished product, such as correct page sequencing, front/back matching, and collation control. It's more specialized for booklets, catalogs, and similar applications.

Applications –

MExpress: Best for continuous web monitoring in commercial printing, label production, and packaging industries.

SmartPQ: Suited for web print, labels, and packaging industries where high-quality printing is paramount.

Bindery: Ideal for bindery departments with various finishing equipment, ensuring the accuracy of booklets, magazines, and bounded documents.

User-Friendliness & Integration –

MExpress: Offers a user-friendly interface, quick setup, and is easily integrated into existing printing and finishing equipment.

SmartPQ: Provides a user-friendly design with intelligent training mode and is flexible for integration into existing setups.

Bindery: Also user-friendly with features like Pocket Trainer for efficient setup, and is machine independent, meaning it can be retrofitted to new or existing equipment.

Decision Factors for Clients

Nature of the Operation –

- For basic print quality inspection, *MExpress* is suitable
- For advanced print quality demands, *SmartPQ* is ideal
- For bindery and finishing operations, *Bindery* is the right choice

Complexity of Requirements –

- *MExpress* is suitable for simpler, entry-level requirements
- *SmartPQ* caters to comprehensive, high-end print quality needs
- *Bindery* is tailored for more complex requirements specific to bindery operations

Modularity & Cost-effectiveness –

- *MExpress* packs powerful features at a competitive price point, making it the budget-friendly choice
- *SmartPQ*'s modular design lets you choose only the features you need, ensuring you pay only for the precision required
- *Bindery*'s modular architecture ensures you pay only for the inspection functionalities you'll use, whether it's high-speed stitching or intricate bindery integrity control

Summary

In conclusion, the choice depends on the specific requirements of the client's operations. *DISCOVERY MExpress* is ideal for those needing basic print quality inspection, *DISCOVERY SmartPQ* suits those requiring advanced print quality inspection, and *DISCOVERY Bindery* is best for specialized bindery needs



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