

Robotic Bulk Ingest

Tape Ingest that Scales...

At Ortana Media Group, we understand that regardless of the use case, the need to digitise tape content comes with a few constant requirements, digitise it as quickly as you can, without sacrificing accuracy or quality, for the least cost possible. Often seen as conflicting, it can be difficult to find a solution that delivers on all these needs.

Through our own extensive experience of digitising tape libraries in a wide range of environments, the Cubix Robotic Bulk Ingest solution allows you to scale quickly and cost-effectively, whilst ensuring the same or higher accuracy of capture.

Built using the Cubix orchestration and asset management platform, it natively integrates with Sony Flexicarts, VTRs and Telestream Pipelines to allow for true 24x7x365 operations. Our configurable workflows ensure that the process of preparation, capture and onward processing can be easily tailored to meet the exact requirements of your media supply chain, whether that be your own asset management system or one of our family of tailored solutions from Ortana Media Group.



The Robotic Bulk Ingest is able to support three different methods of capture (in all cases channel conditions monitored):

Crash Capture, where the whole tape is captured from head to loss of servo lock for a configured period.

Timecode, where both in and out timecodes are provided.

In Point Only, where an in point is provided – and the capture continues until a loss of servo lock occurs for a configured period.

This ensures the right method can be selected to provide the maximum efficiency for your content types.

From Shelf to Screen...

Maximum efficiency can only be achieved through complete workflow orchestration, providing transparency on the entire process whilst removing as many manual steps as possible. Cubix can manage the process right from the library or 'goods in' area, allowing users to either create/scan barcodes directly within the UI or import Microsoft Excel/CSV documents containing physical asset data. Cubix is also integrated with a range of library management systems, as well as offering its own RESTful API to allow metadata to be directly retrieved for use within the workflow.

Preparation steps such as tape cleaning, baking and image capture of the physical assets can easily be configured as required (or not) in the workflow.

Depending on the capture method, tapes can either be simply placed directly into the Flexicart without any metadata needing to be entered at all or 'load lists' can easily be created and exported for processing. Multiple workflows/clients can operate across the same Flexicart allowing for different content types/business rules to be applied (e.g. capture methods, prioritisation, etc.).

Once captured, the content is imported into Cubix with all the metadata associated with the asset, and allow for further workflow actions such as proxy generation, waveforms, segmentation, trimming and more to be completed. Cubix is able to transcode or rewrap the content based on timecodes entered via the UI and deliver the content to local NAS/SAN storage or to object storage such as Amazon S3, Backblaze B2, Microsoft Azure, Google Cloud, MatrixStore Cloud and more. The delivery can include the captured content, but also a sidecar XM/JSON file describing all metadata acquired during the ingest/QC/review steps. The workflows can also deliver content to Cubix client portals.

Key Features

- Support for an unlimited number of Flexicarts with up to 3 decks per Flexicart.
- Support for any Betacam variant (Betacam SP, Digibeta, Betacam SX, IMX, HDCAM, HDCAM SR).
- Ability to mix formats within the same Flexicart.
- Browser-based UI with AD/LDAP Security.
- Three different methods of capture, adjustable on a per tape/client/workflow/Flexicart basis.
- A wide range of codecs and wrappers supported.
- Ability to mass import metadata regarding libraries via different methods.
- Print barcodes directly from the UI.
- Fully documented RESTful API to query and interact with the workflows.

Our configurable orchestration engine allows for workflows to be tailored to meet your exact needs, both today and into the future.

The Cubix Robotic Bulk Ingest solution can be purchased either as part of the wider Cubix platform, or as a standalone solution for up to five Flexicarts.

For more information and to request a demo please email us at hello@ortana.tv