aerariumchain™

Technologies and systems for 3D digitizing large collections

Supporting those who digitize collections in 3D

Workflows and systems to boost productivity, lower costs, and ensure compliance

10.000 +

3D-scanned artworks using AerariumChain systems

Large collections come with great responsibility

Large volume of artworks

Managing hundreds of artworks simultaneously across different sites

High-quality standards

Standards set by the Ministry with stringent inspections

Intricate post-processing

Monolithic workflow processing causing delays

Remote verification

Sharing large 3D files with clients for approval

Deliverable METS

Complexity in producing packages that meet DPAC compliance

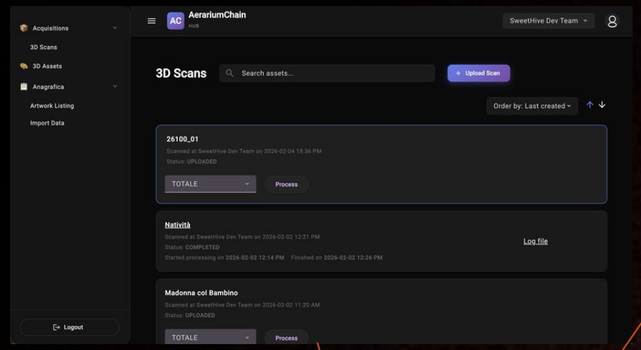
Tempo ridotto

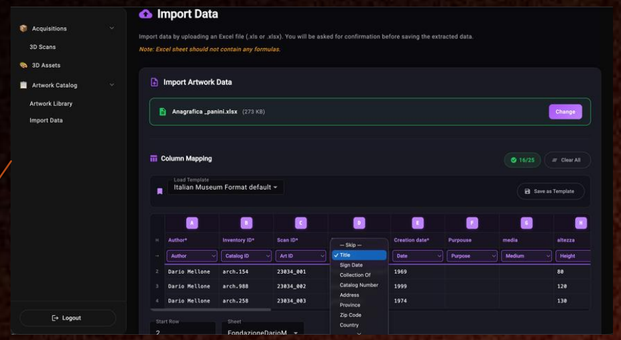
Time is decisive for meeting contract schedules and managing cash flow

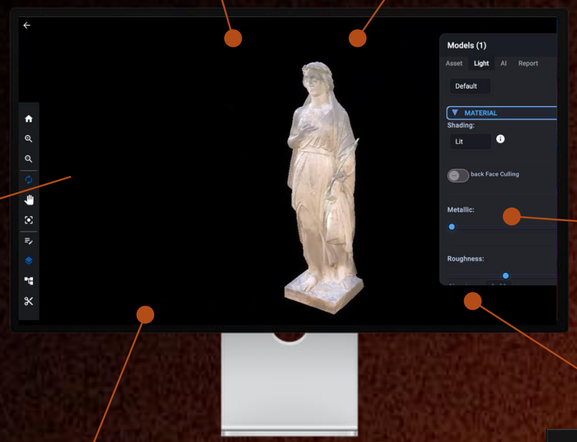
AerariumChain’s new HUB

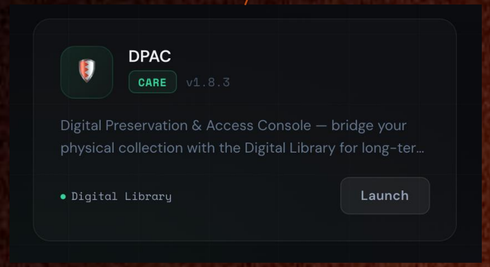
The integrated platform for 3D digitization of large collections

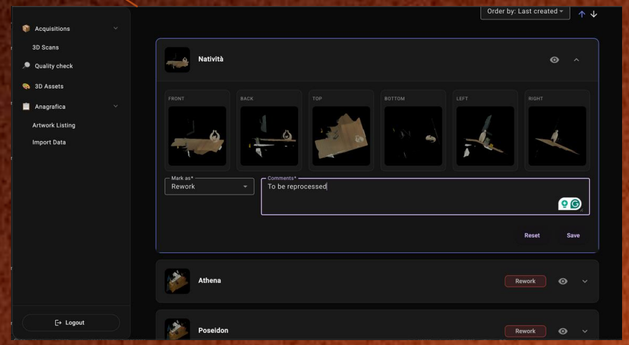
From 3D scanning to DPaC submission











The Process

An end-to-end workflow from scanning to the Digital Library

	STEP 1	STEP 2	STEP 3	STEP 4
				
	ON-SITE SCANNING	**UPLOAD E PACKAGING**	**CLOUD-BASED PROCESSING**	**QUALITY ASSURANCE & DELIVERY TO D.PaC**
	All-in-one mobile kit. Scanning and data capture organized on-site.	Automatic upload to the cloud with pre-structured data	Scalable processing, metadata generation, and 3D models	Quality control with 3D viewer streaming. Submission of METS packages.
Traditional	Scanning system + PC	PC with data transfer to office	High-performance PC + processing experts	Custom software for data verification and transfer
HUB	**Complete industrialized, all-in-one solution**			

Integrated All-in-One Scanning Kit

Built for portable, user-friendly operation in high-demand museum settings

5 Min

10 Hrs

Quick

Ready to scan in minutes, boosting productivity

Self-sufficiency

Built-in high-capacity battery for uninterrupted operation

Automatic Upload

Scans uploaded to the cloud instantly, processing begins during fieldwork

Full Portability

Fits in any mid-size car, built for safe transport on-site

Cloud-based processing

Focus on results: deliver processed files quickly and at the expected quality

GPUs, hardware, software licenses, and staff

Simultaneous automatic scan processing, lowering potential errors.

Workflows

Workflow released with a set of tools able to optimize results

Quality

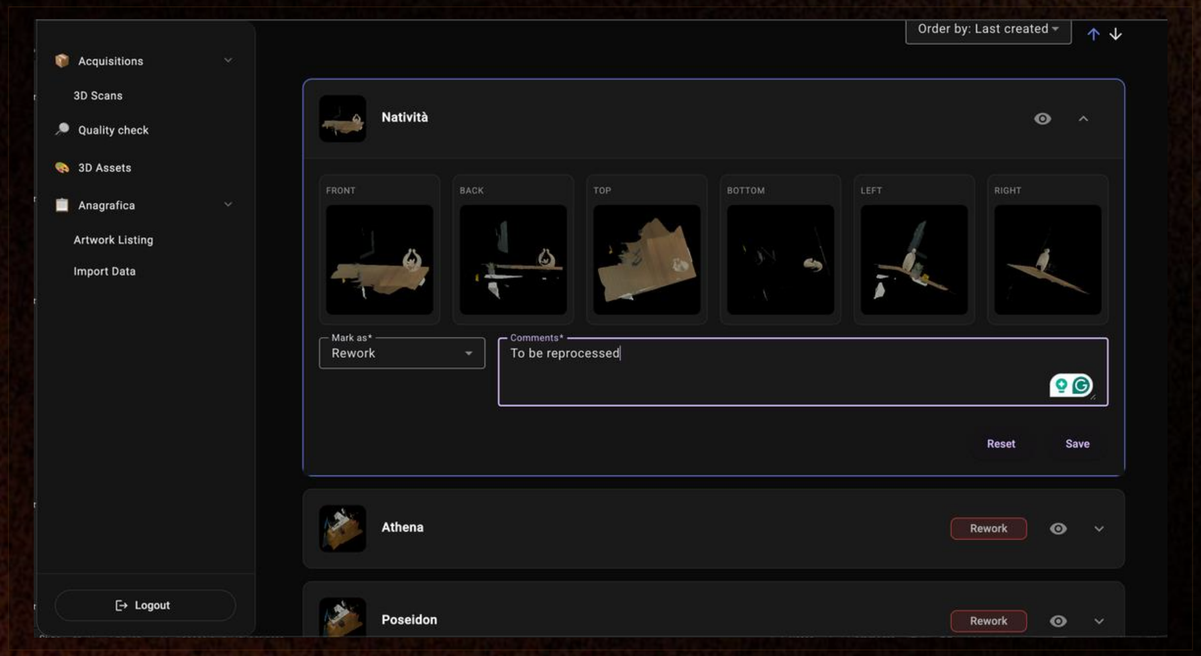
3D assets handled through fully tracked workflow

Costs

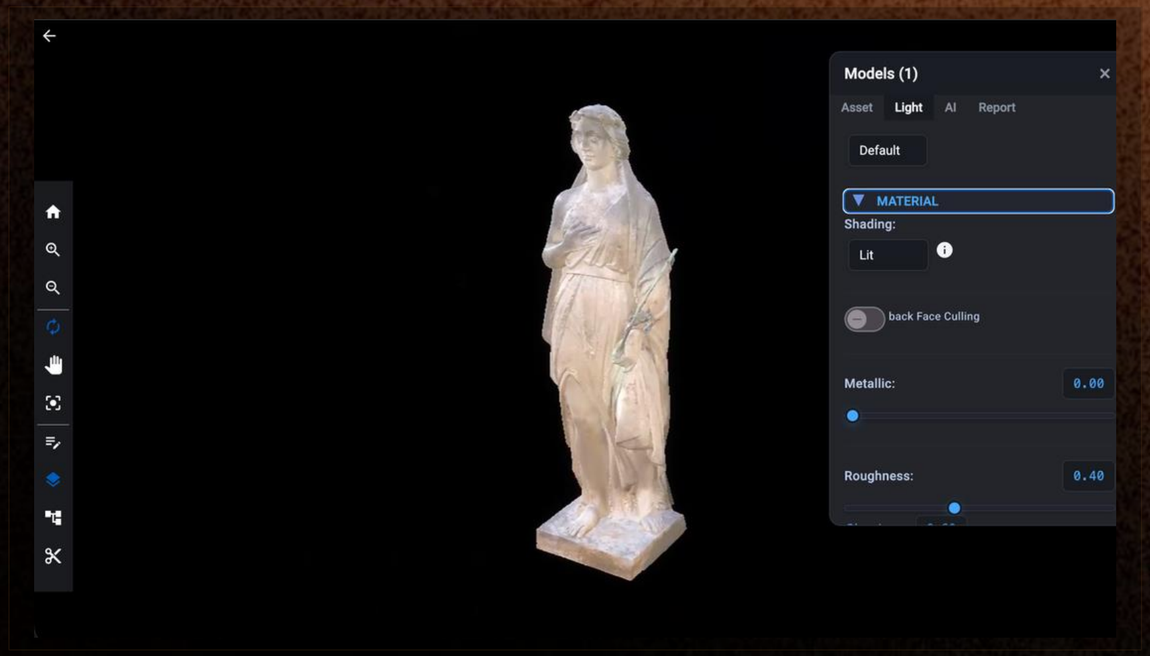
Advanced automation to minimize processing expenses

Quality Control and 3D Viewer

Stream, share on the cloud, approve, and edit online



Quality Check — OK/NOK

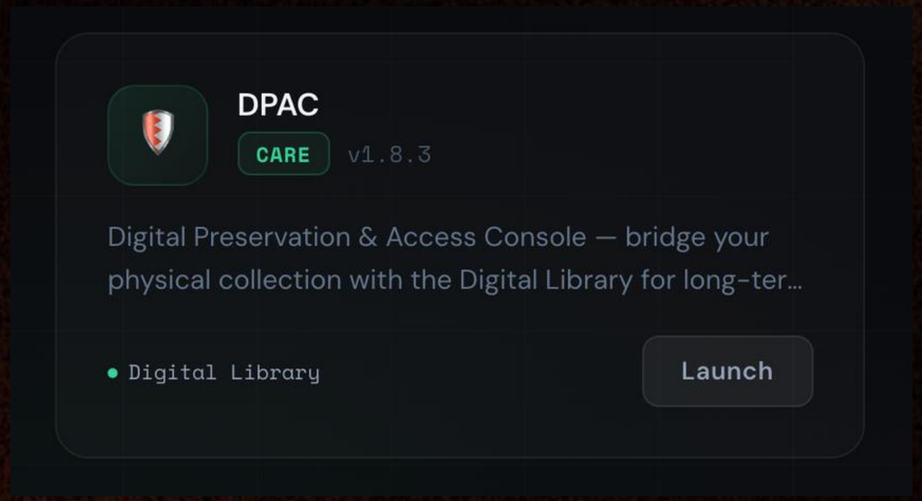


3D Viewer in Streaming — High resolution on any device

High-resolution 3D streaming on any device without installing software. The museum and QA team can inspect, rotate, and zoom each artwork. Mark OK/Not OK with structured comments and feedback for a fast, fully traceable approval cycle.

Delivery on DPAC

Automatically generate METS packages and send them to the Digital Library



The D.PaC connector completes the workflow by automatically creating METS-compliant packages and delivering them to the Digital Library for publication and long-term storage.

Each approved scan is a deliverable ready for handover, speeding up SAL submissions and cash flow.

Fast Progress Reports (SAL)

Deliver progress reports promptly and reliably

Automatic Delivery

Automatically generated and delivered METS packages

Fast Payment

Complete the worksite, generate invoices, and streamline expenses

ADVANTAGES

6,2X

Productivity*

Close a site in 2–3 days with a single operator. The all-in-one kit eliminates downtime and automates many tasks.

-64%

Costs*

High-quality 3D models processed in just a few hours, already on the platform and viewable on any device. No bottlenecks.

-56%

Operational Risk*

A team of specialists ready to support you. Get museum approval in just a few hours with the streaming 3D viewer. Send to D.PaC and submit the next progress report (SAL) immediately!

*Based on data analysis from AerariumChain sites

Are you a 3D scanning professional? Join the network

aerariumchain™