



MES for the next generation of additive manufacturing

Connecting the additive ecosystem

DNA.am links the AM ecosystem through Materials, CAD, CAM, CAE, ERP, Quality Assurance and supply chain management to provide the end-to-end digital thread to scale additive manufacturing.

A configurable MES system, DNA.am powers the next generation of additive manufacturing, allowing you to manage the full range of AM technologies, materials, and sectors within a single system. It manages operations from quotation, sales orders, projects, scheduling, production, post-processing, quality assurance and despatch.

Additionally, as a workflow MES system, our integrations with leading file-encryption, build management, and build optimisation platforms bridge the gap between different systems to offer a complete additive manufacturing software solution to help you scale.

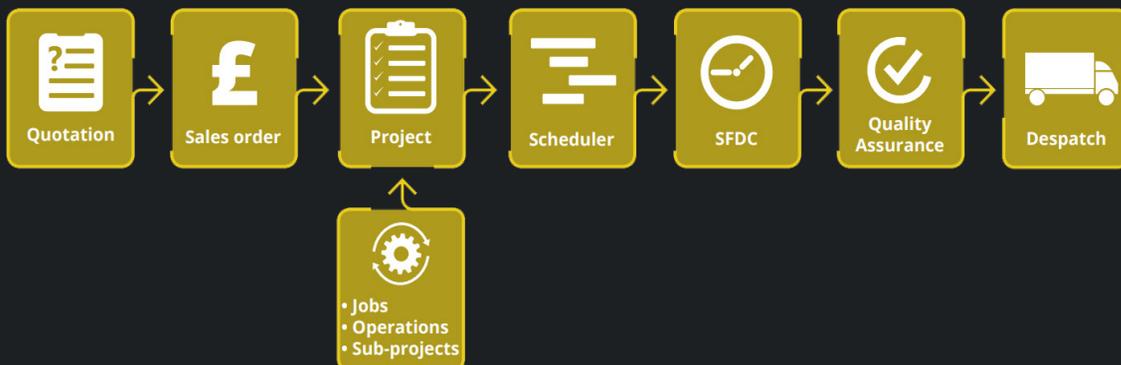


End-to-end traceability

DNA.am provides the highest levels of job, material, and part traceability for any process. It tracks materials through batch splitting and grouping, multiple builds, and recovery. Additionally, with our Shop Floor Data Collection and location tracking, you can monitor who did what, and when, for full traceability.

Configurable Workflows

Additionally, with varying regulatory standards for different technologies, materials, and sectors, rigid software can become restrictive – preventing you from exploring new opportunities. However, DNA.am allows you to create custom workflows. So, whether you're using EBM, FDM or SLS, you can create the workflows suited to your project, while retaining control required.





Build file management

The build file management allows you to link detailed build files, 3D drawings and programme files to the AM parts. Additionally, you can share files to shopfloor machines to ensure the correct issue is always in use.



Complete inventory control

Monitor stock levels, locations and usability status with ease. DNA.am captures full stock history including supplier history, test results, and location, so you always know what you have and where it is.



Visual material traceability

Using the visual trace, you can click through a parts history from virgin powder, multiple builds, blends and PRS. So, it's easy to trace back to its origins.



Manage blending & splitting

When blending powders, generates blend orders with auto-prompts for homogenising powder and sending samples for testing to ensure the process is completed accurately.



Material status & locations

Monitor stock locations & status from an intuitive interface. This allows you to see at a glance where materials are and whether they are in-use, quarantined or available. Simply click through to see greater detail.



Shop floor data collection

Share detailed work instructions, and images with shop floor operatives to ensure the correct files are in use. Engineers can clock on and off jobs to accurately record job timings.



Project scheduling

Use the visual scheduler to ensure you deliver jobs on time. You can plan projects, jobs and operations according to resource availability. And, the scheduler will prompt you if any jobs will miss the promise dates.



Analysis & reporting

Monitor KPIs and reports via the intuitive dashboard. You can access a library of pre-build reports or build your own. Additionally, you can set up tolerances and alerts that send emails when exceptions occur.



Suitable to all AM types

Regardless of technology or materials you are using, you can easily manage it with DNA.am. The flexible system allows you to create custom workflows based on projects you run, and select which workflow to use when quoting.



QA & Security

Maintain quality control with customer specifications & approvals and reject analysis. Additionally, our integration with GROW enables design owners to protect their design IP with secure file encryption.



Linking with CAD/CAM

Our partnerships with GEN3D, Dyndrite & Printsyst allow you to seamlessly transfer files from CAD/CAM systems to DNA.am, to ensure you use the latest revisions. We also share part serialisation to provide full traceability.

"The DNA.am workflow is a seamless software solution to manage multiple 3D print technologies with full material & part traceability."

- FDM Digital Solutions



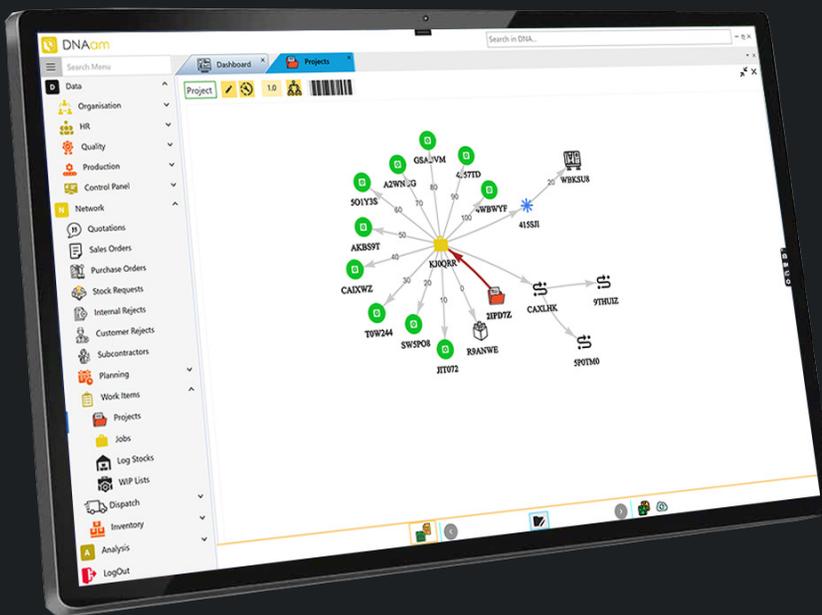
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Trace

Our trace functionality allows you to see where something originated at the click of a button, this runs throughout the software for parts, tools, users, processes and stock.

Project Based Format

DNA.am has a project-based format for carrying out work meaning that multiple jobs can easily be carried out in parallel, this provides a more flexible way of carrying out the manufacturing of parts.



Stock

Stock has been redesigned to allow the user to handle multiple variants of the same type of stock, whilst also being able to record chemical analysis and characteristics against items of stock.

Types of AM

The software has been designed to support all 7 types of additive manufacturing and their post-processing requirements. The system is configurable so that only relevant information is shown depending on what AM process is selected.



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