

Reimagining Digital Workflows With New HP Universal Build Manager Powered by Dyndrite

HP's new Universal Build Manager is a first of its kind solution which leverages proprietary HP software and data innovation, and the Dyndrite™ Accelerated Geometry Engine. The new additive manufacturing build manager takes advantage of the GPU-accelerated processing and Python scriptability inherent to Dyndrite's engine. This combination enables customers to simplify and automate build preparation across their additive manufacturing technologies at supercharged speeds.

HP is committed to supporting multi-platform additive workflows across machine fleets, including HP Multi Jet Fusion, Binder Jetting, Laser Powder Bed Fusion (LPBF), Selective Laser Melting (SLM), Direct Metal Laser Sintering (DMLS), Selective Heat Sintering (SHS), Electron Beam Melting (EBM), Selective Laser Sintering (SLS), Fused Deposition Modeling (FDM), Stereolithography (SLA), Digital Light Projector (DLP), Laminated Object Manufacturing (LOM) and Composite-based Additive Manufacturing (CBAM).

The new solution has been designed to improve the additive technician's efficiency, productivity, and quality, enabling mass-personalization, complex workflow automation, and scalability and extensibility in both manually drive and automated workflows.

HP and Aconity, Aon3D, Aurora Labs, EOS, ExOne, HP, Impossible Objects, Open Additive, Photocentric, Plural AM, Renishaw, and SLM have committed to exploring ways for the HP Universal Build Manager to support their 3D print systems. Additionally, the open-architecture platform is designed to support interoperability with complementary solutions from leading independent software vendors (ISVs) including Ansys.