

Monolithic Viewer

The Monolithic Viewer features are outlined within this section.

The Monolithic Viewer shows a static 3D CAD model of a component or assembly featuring all general Aras 3DV functionality for viewing and annotating 3D CAD models described in the General 3DV functionality section. Additionally, it can display product manufacturing information included in a given model as discussed in the Product Manufacturing Information subsection.

A 3D CAD model shown in the Monolithic Viewer is static because this Viewer shows technically a single viewable SCS file attached to a given CAD Document. For an assembly, such a file is created from the SCS files attached to all children of this CAD Document that were at the moment of loading into the Viewer. The Monolithic Viewer benefits are lightweight rendering and the ability to display product manufacturing information and configurations in some cases. The main Monolithic Viewer limitations are the lack of support for resolutions besides as-saved. The Dynamic and the Streaming Viewer resolves this disadvantage by supporting various structure resolution, such as the latest, and has several other enhancements, such as custom rendering, Saved Views, and the Digital Mockup support.

The Monolithic Viewer fully reuses the 3D scene canvas, 3DV toolbars, and context menus described in the Aras 3DV UI section. It also features the simple Model Browser for browsing assembly parts and model views as discussed in the Model Browser in Monolithic Viewer subsection.

The Monolithic Viewer does not support multi-selection: only one subassembly, part, or surface can be selected during viewing.

