



AMIS Pro

Industrial software for successful Binder Jetting

AMIS Pro is the premium tool for build preparation and 3D-RIP for binder (BJ) or material jetting (MJ). AMIS Pro is an off-cloud editor for Mac & Windows providing access to the technology.

The software solution enables rapid and sound preparation of parts, batches and the resulting slices for any build job, and allows for the parallel preparation of multiple batches. Features to improve part quality and Cost-per-Part are embedded in the solution.

For superior results, AMIS Pro is tailored to the machine, in cooperation with the printer manufacturer. The API-based architecture allows for seamless integration with MIS/MES systems and peripheral software, such as simulation solutions or CAD input.

Intended user & use

The intended user is the person who prepares and executes the print. The User Interface is conceived in such a way that prior knowledge is not required. AMIS Pro facilitates production by suggesting parameters or settings, adapted to the Jetting process.

However, thorough Jetting process knowhow and experience with the applicable Jetting machine is required in order to produce qualitative end products.

Guidance & Support

AMIS Pro users are supported throughout the software life cycle, through:

- Dedicated [support platform](#)
- [Manual](#) & [Tutorials](#)
- Direct [support service](#) contact

Main features



General

- Workflow-based, user-oriented UX
- OpenGL view, with full interactive control
- Windows and Mac parallel development





- Native 3mf
- Parallel preparation of multiple batches for multiple printers
- Full control of parts & print parameters
- Reiterations, adding/removing parts, renesting at any time during the process
- Easily repeat jobs by reloading existing batch
- Optimize batch for execution time & material use
- API-based architecture



Adding parts

- Import STL and 3mf files
- Continue adding parts at any time during batch preparation



Part preparation

- Position, orient and scale parts
- Automated Shell-Grid-Core generation
- Variable density infill
- Lock position, orientation and/or scaling prior to nesting
- Multiply number of a specific part
- Full interactive control of parts (OpenGL view)



Batch preparation/nesting

- Tools for binder use reduction
- High-speed box-based auto-nesting
- Full interactive control of batch (OpenGL view)



Slicing / 3D-RIP

- High-quality slicing output
- Up to 3-bit binder density or type definition
- Fast slicing
- Full progress reporting
- Control slicing parameters, incl. layer height, size and resolution
- MetPrint@-ready, including patented technology for Additive Manufacturing, securing full compatibility with most AM-printheads



Configuration options

- Add and control printer settings, batch size, DPI and nozzle count
- Add binders, adjust binder properties and settings
- Add materials and material characteristics

