

## FlowNEST Software - Version 6.0



FlowNEST is a powerful geometric nesting module of FlowMaster that allows for small parts to be placed within larger parts. The program allows you to nest parts on full sheets or partially cut sheets (remnants).



FlowNEST has been designed by our programming staff solely for waterjet applications, so it is remarkably easy to use. After ordering the parts in FlowPATH, use FlowNEST to maximize your material and, consequently, your profits.



### Features & Benefits

- 32-bit application requires Windows XP
- Produces FlowMaster ORD files ready to run in FlowCUT
- Nest any 3D ORD file created in FlowPATH 6.0 as well as any 2D file created in any version of FlowPATH
- Large entity capacity allows nesting of virtually an unlimited number of ordered parts – nesting time dependent upon PC speed
- Full geometric nesting; small parts can nest within parts
- Quick-preview window displays the shape you intend to nest, saving programming errors
- Programmer-controlled ability to change part cut sequence
- Ability to specify part orientation to accommodate material grain
- Sheet statistics, such as number of parts nested and % sheet utilization
- Adjustable nesting efficiency
- Full manual control: refine your nests with the ability to manually adjust parts (MOVE, COPY, ROTATE, DELETE) after automatic nesting is complete
- Advanced batch processing allows input of several large nesting jobs and lets the computer develop nests on its own in a “batch” processing function

- Advanced Lead-in/Lead-out controls to view and modify lead-in/lead-out types, arc radius
- Common line cutting, aligns parts side by side to create a common cutting line between town parts in order to save cutting time and improve productivity  
Note: In systems equipped with Dynamic Waterjet, this feature is not available when Dynamic Waterjet enabled
- Optimized cut path, improved method of selecting the order in which parts are cut reducing extraneous long rapid moves and cutting cycle time
- Supports part tabbing function from FlowPATH 6.0
- Support of multiple cutting heads, determining nest pattern based on head-to-head spacing. Works in conjunction with FlowCUT and only on rectangular sheets of raw material
- Avoid previously cut parts, user can set the tool path in order to avoid traversing over previously cut areas and minimize the danger of cutting head collision and mixing tube breakage
- User defined crop line for efficient remnant processing and storage

### What's New in FlowNEST Version 6.0

- Dynamic Language Change – same as FlowPATH, FlowCUT
- Lead-in Lead-out properties – view and modify the lead-in and lead-out types as well as the properties for each
- Open 3D ORD Files – Nest any 3D ORD file created in FlowPath 6.0 as well as any 2D FlowPath file
- No Offset on Lead-ins & Lead-outs – automatically identifies lead-in and lead-out entities, gives them an offset of zero
- Trim Length of Lead-in & Lead-out for Arcs – trim lead-in and lead-outs on arcs of a given radius