

AI Nesting Workbench

Nesting optimization and remnant tracking

Sheet-metal and 2D-cutting shops often rely on standalone nesting software that sits outside their production system. Orders are selected manually, cutting results are re-entered into ERP and usable remnants may never make it back into inventory.

AI Nesting Workbench brings that process into Acumatica. Open cutting operations are automatically grouped by material and thickness, planners compare three nest options and the approved result writes directly back to the production orders.

The result is better sheet utilization, reusable offcut inventory and tighter control from cutting file through production execution.



Built to Support Every Nesting Need

Acumatica-Native Nesting. Plan nests from open production order cutting operations and write approved results directly back to Acumatica.

Material + Thickness Grouping. Automatically group compatible cutting operations across production orders by material and thickness for more efficient nesting.

Three Nest Options. Generate three layout choices, including two AI-generated alternatives, then let the planner select the best option for the job.

Reuse Offcut Visibility. Approved remnants can be promoted to real Acumatica inventory SKUs with dimensions and bin locations so usable material can be stocked, costed and reused.

Nesting Decisions Inside Acumatica

AI Nesting Workbench gives sheet-metal and 2D-cutting manufacturers a centralized workspace for managing nesting directly from Acumatica production orders. The workbench groups compatible cutting operations, generates three layout options and gives planners the final choice before anything is committed.

The Benefits of Using AI Nesting Workbench

Less Manual Re-Entry

Approved nest information writes back to Acumatica, reducing the need to manually transfer results between nesting and production.

Better Sheet Utilization

Compare multiple nest layouts and track utilization percentage for every nest to make better use of available material.

Faster Nest Approval

Review the layout, DXF, cut sheet and estimated runtime in one workflow before approving the nest.

Connected Production Data

Approved nest details and estimated run, cutting, pierce and setup minutes are written back to the production order.

Reusable Remnant Inventory

Turn usable offcuts into inventory SKUs with dimensions and locations so valuable material does not disappear into the scrap pile.

Key Capabilities

AI Nesting Workbench brings production operations, material requirements, cutting files and nesting decisions together inside Acumatica. Compatible operations are grouped automatically, three nest options are generated and the planner selects which result is written back to production.



Three nest layout options



Runtime estimates



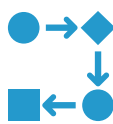
DXF revision control



Offcut inventory management



Machine and material setup



Acumatica approval write-back

Bottom Line

AI Nesting Workbench fabricators a smarter way to optimize sheet usage, control cutting files and turn nesting decisions into production data without leaving Acumatica.