



Almacam 2D, control all your cutting machines with CAD/CAM nesting software most efficient automatic

With Almacam 2D, control all your cutting machines (laser, plasma, oxy-cutting, waterjet, combined), routing and punching machines and accelerate the programming steps, from part preparation to NC code generation. Combining the most efficient nesting algorithms with automation, Almacam 2D helps you minimize material losses and increase the productivity of your workshop.

Manage your entire production with a single solution

One software solution for :
-All materials
-All technologies
-All brands of machines

Save money of matter

Optimize the use of your raw material with the powerful nesting algorithms we have been developing for 45 years. Reduced waste and reduced costs assured

Automate the CAD/CAM process

With a single click, automate the entire CAD/CAM process: from the import of parts (2D,3D,assemblies) to the generation of the NC code, including nesting

Improve the quality of your finished products

Optimize cutting paths to minimize toolpaths, avoid heat concentrations, and minimize the risk of collisions

Simplify the entire cycle production

Combine Almacam 2D with the add-ons of the software suite for quotation calculation, machine planning, as well as integration with the rest of your information system: CAD, ERP, MES

→ Part design and assembly import

- Design of sheet metal parts with the 2D drawing module.
- Import of 3D parts from common formats such as STEP, IGES, X T and native CAD files.
- Automatic part unfolding of the 3D, with options to change the geometry as needed.

→ Nesting system that is unique in the world!

Unique! For more than 45 years, Alma has been developing its own nesting algorithms in-house. This technological mastery allows manufacturers to increase their material yield, limit losses and generate significant savings on each production order.

- High-performance automatic nesting with multiple strategies to maximize efficiency and speed.
- Nesting in scrap material.
- Optimized nesting with common cuts.
- Multi-head nesting.
- Easy adjustment of gaps between parts and sheet metal edge to meet specific needs.
- Reuse of optimized placements and sub-placements.

→ Automated Cutting Preparation

- Automatic addition of features for cutting, such as primings.
- Tailor-made assignment of cutting conditions according to the material, thickness, gas, amperage, etc.
- Automatic calculation of trajectories, including for common cross-sections.
- Effective collision risk avoidance.
- Automatic management of skeleton cutting.
- Use of methods to reduce the number of holes
- To avoid the risk of tipping of pieces (e.g. bars, bridges, chain cutting).
- Automatic management of acceleration and deceleration in corners.
- Possibility of programming bevel heads.

→ Special Punch

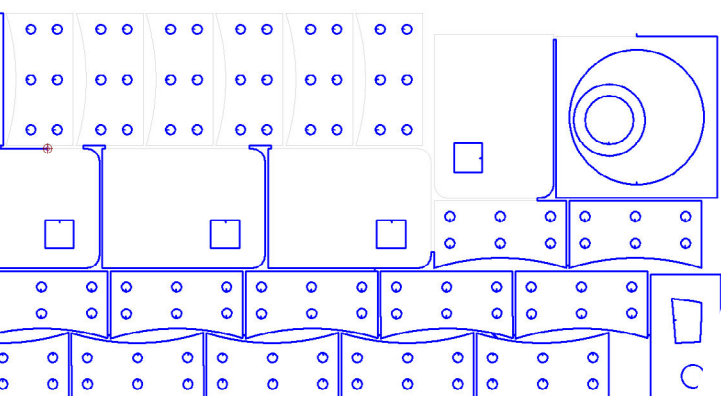
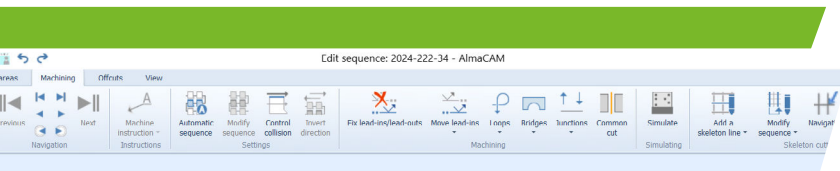
- Management of multi-tools and all special or warping tools
- Preparation for workpiece machining based on a pre-defined turret model
- Automatic machining: tool assignment, optimization of the machining sequence by managing evacuations and generation of the NC program
- Automatic or manual management of all types of drainage systems
- Palletizing module

→ Special Clipping

- Geometric recognition and automatic assignment of machining on 3D wood CAD parts.
- Management of all types of machining (drilling, grooving, etc.) and the functions of the routers.
- Management of multi-layer nests to reduce machining times (aluminum).
- Automatic management of screwing, riveting and deriving (aluminum).
- «Bridge Feeder» function to eliminate screwing/riveting while securing the release of parts (aluminum).



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**Experience the difference of
a true CAD/CAM partner**

Cooperative by nature.
Expertise at the core
since 45 years.

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