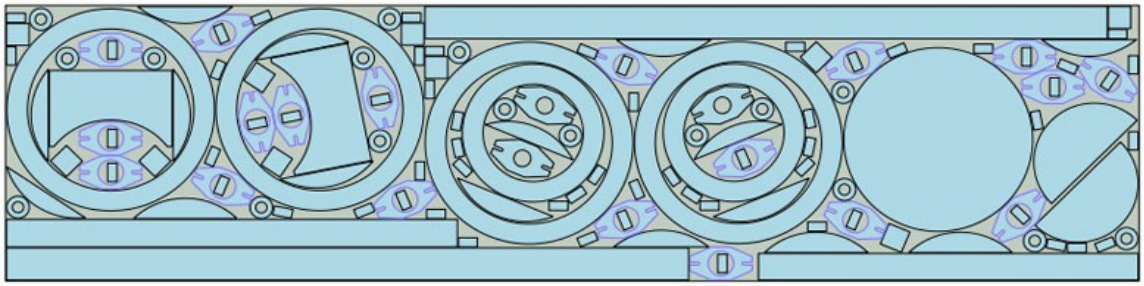
algomate
Automatic Nesting Experts

NESTING FACTORY

Your online nesting

Algomate company presents **Nesting Factory**,
a software module for the automatic nesting of sheet and roll materials.
Nesting Factory, Sheet Metal Edition is designed to support different
sheet metal cutting technologies: oxy-fuel, plasma, laser, water jet.
Algomate (est. 2007) concludes many years of research work and
the experience in development and deployment of the predecessor products.



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NESTING FACTORY, Sheet Metal Edition

Functionality

- multi sheet nesting of up to 100 items of up to 1000 copies in total;
- processing items of an arbitrary form (also with holes), automatic analysis of the item geometry;
- filling holes in arbitrary depth of enclosure;
- possibility to define location constrains for each item;
- keeping the required distance between an item and the sheet boundary and between any pair of items;
- full control on the computation time is supported by fast, recommended and free modes of nesting module operation;
- user language support in task and item names;
- easy integration with any CAD/CAM system;
- data exchange in DXF format;
- automatic install, activation and uninstall of the module;
- full explanatory reports (can be customized by the user's demand).

General Properties and Capabilities

In average, less than one minute computation is enough to nest up to 60 items in one sheet. In ***fast mode*** the result can be obtained even in several seconds. The computed nesting maps are notable for the stable high quality. More than 100 comparison tests show that the quality of nesting maps obtained by *Nesting Factory* exceeds the quality of maps obtained manually. Our results are exact and do not require any post-planning inspection. This makes nesting task processing transparent to the user until the actual material cutting. Our module advantages are best shown while processing multi sheet nesting tasks, which is difficult even for an experienced specialist.

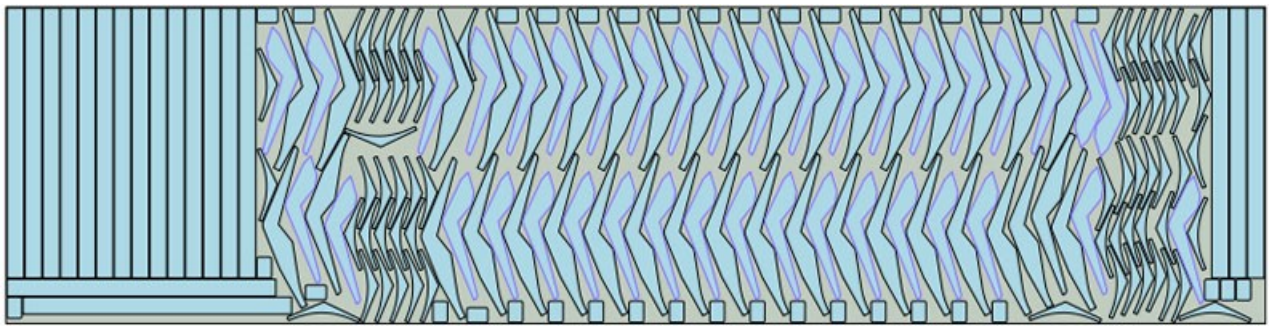
NESTING FACTORY ONLINE

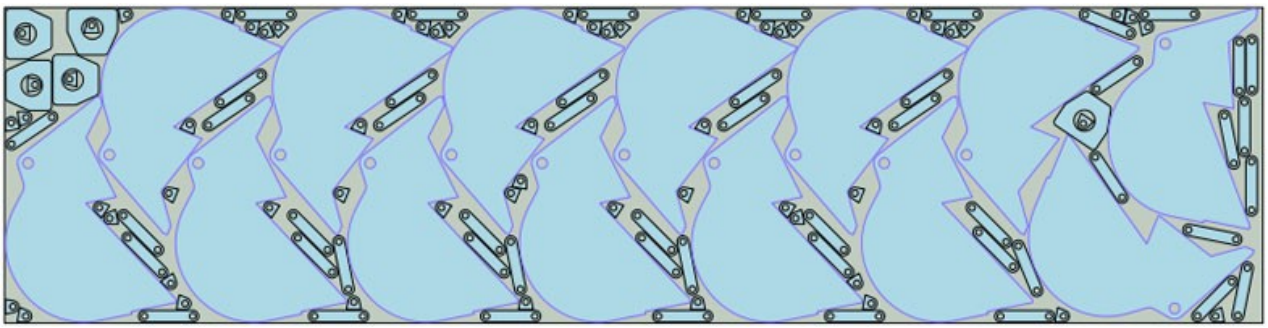
NESTING FACTORY Client is a reach client application that involves Algomate server in the work flow. This package can be downloaded from our web site. In this working scenario the computations are performed on our server. Working through Internet is cost-effective and flexible.

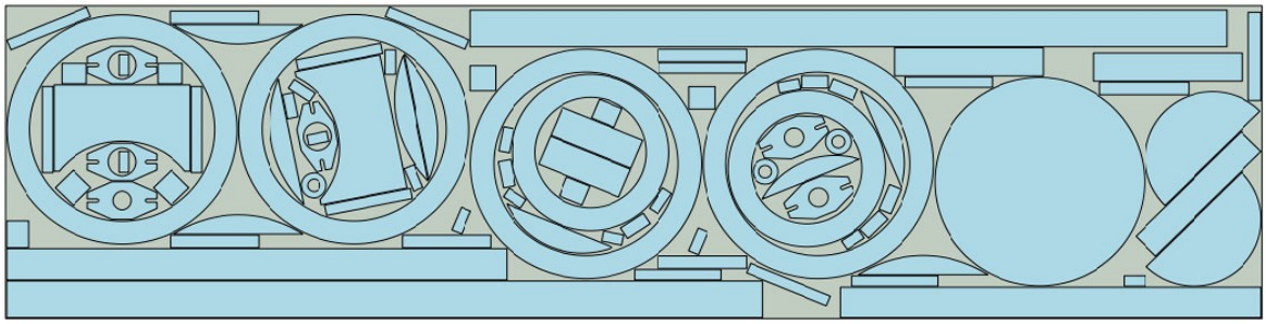
Internet work flow advantages are:

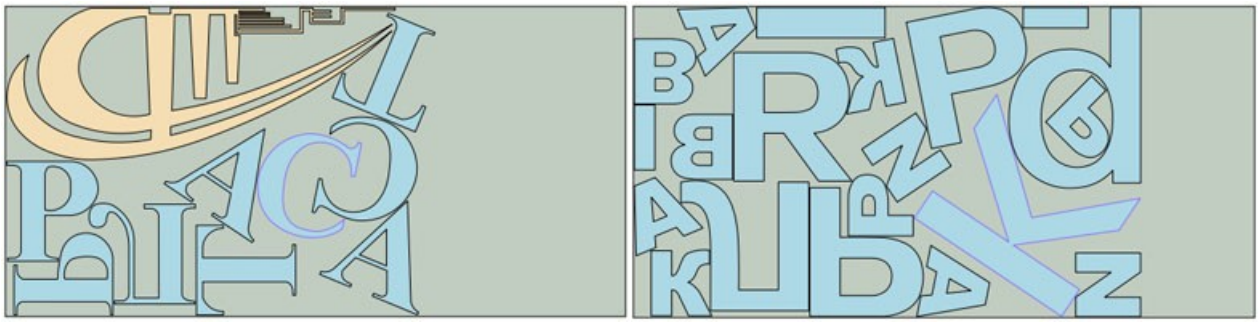
- customer pays per invocation and not per license (currently it is free);
- no need for complex software support and copyright protection;
- no limitation on the number of installations;
- working with the most recent version of Nesting Factory;
- computations are performed on a server class machine which is more powerful than user's desktop.

GALLERY









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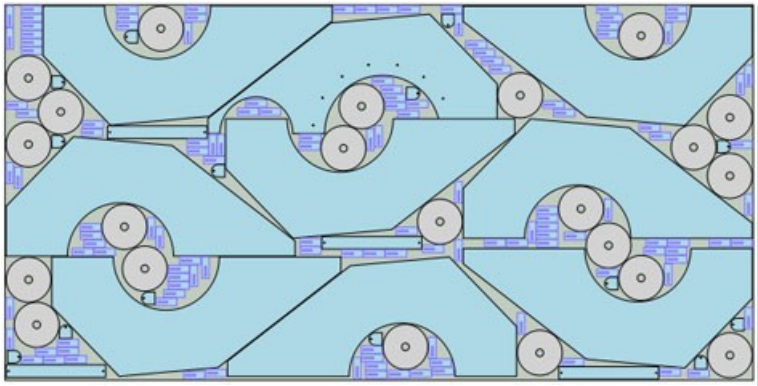

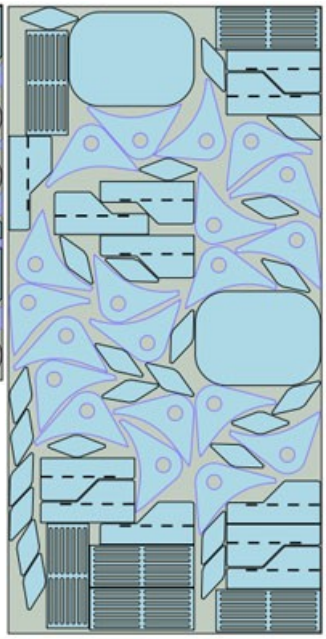

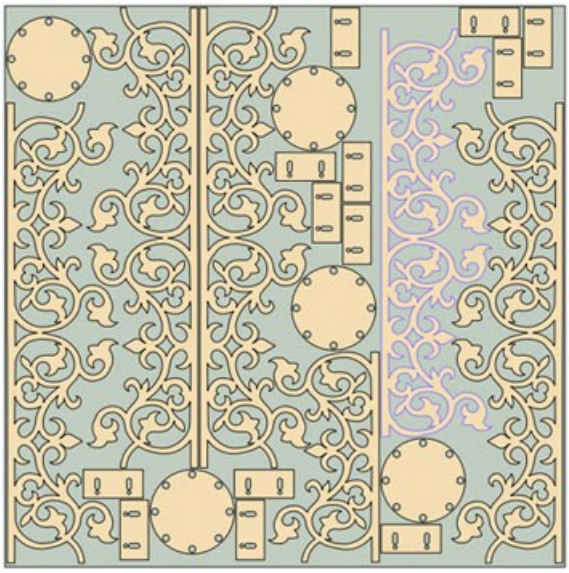

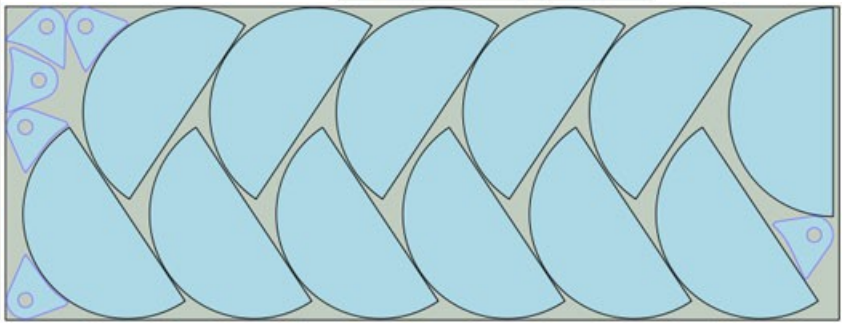

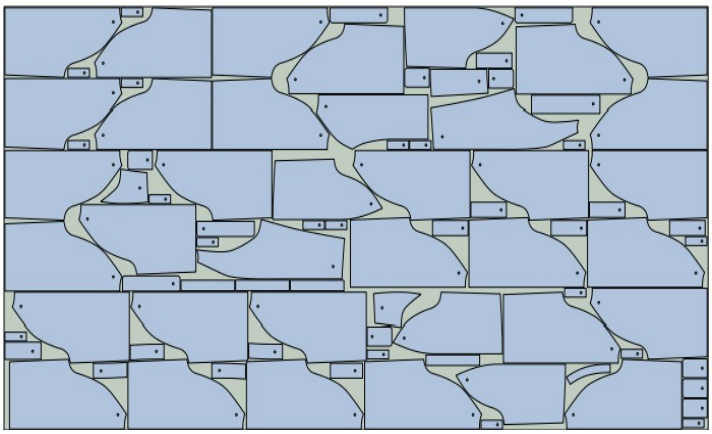

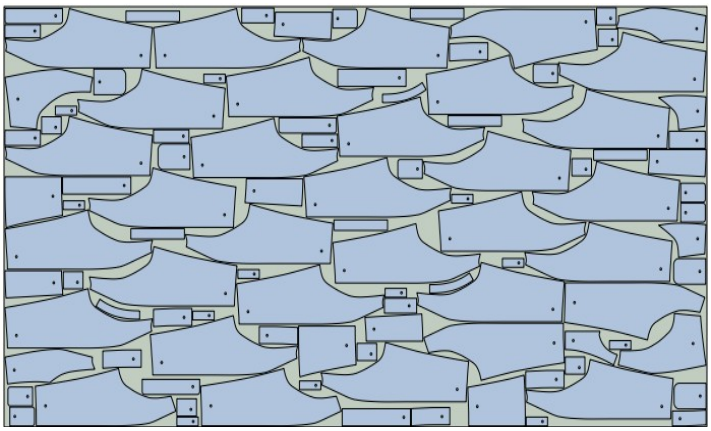

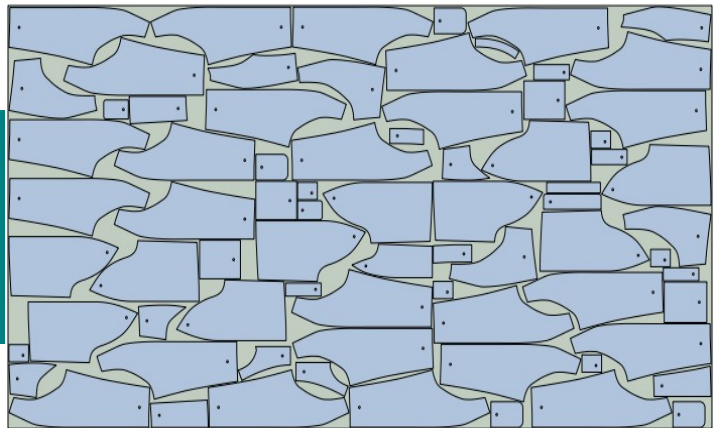

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