

SoftONE-NEST nesting software

SoftONE-NEST is powerful CAM **true shape** plates nesting software for plasma, water-jet, oxy-fuel, and laser machines. The application is developed to assure that the highest cutting and nesting technologies, especially used by shipyards and shipdesign companies, are fully satisfied. Application use the best methods for parts nesting and together with its database platform make a strong nesting solution for sheet metal industries.

Base module - <i>Standard Features</i>	Price/license
<ul style="list-style-type: none"> - Automatic parts imports from DXF CAD systems: automatically map layers to machine processes (cutting, marking, labeling); - True Shape Nesting; - Interpret metadata in the original CAD file including part name, assembly name and material designation. - Automatic CAD file correction and error notification; - Move, mirror, rotate parts; - Drag & drop and bump parts on the nest; - Part In Part Nesting; - Group part nesting/Array nesting; - Multi-torch nesting; - Automatic nesting /Manual (dynamic) nesting;; - Automatic collision detection; - Parts inventory; "Real time" counting of the nested parts; - Automatically update nest with part revisions; - Automatic NC tool path generation and optimization; - "By part " or "By process" nesting sequences; - Automatic or manual nesting sequence; - Automatic or manual lead-in/out features; - Simulation of machine operation; - Nesting customizable shop reports & BOM - Export report directly to Excel "xls"/ "csv" or "pdf" file; - Nesting & production sketches DXF file export feature (DXF polylines on different layers according with machine processes); - Customized ESSI or EIA (G-Code) post processor (no bevel); - Cutting/Marking/Labeling processes are supported; - Customized post processors according with customer machine settings. - Kerf tool compensation calculation. - Microsoft database for storing parts and nesting data; - Concurrent access : multiple people can connect simultaneously to applications from different client computers. 	2000 Euro

Optional modules –Advanced Features	Price
<p>Plates inventory: Plate Inventory permits the creation and storage of rectangular, plates in an internal database. All new stock plates may be added to the plate inventory and utilized on an on going basis.. As plates are consumed during nesting, the inventory is updated. Users may assign properties to each plate (Material and Thickness, Paint sides info, Stock Number, Stock Quantity, Weight, Reserved etc.). Rests (remnant) plates can be defined and managed as well. This module will reduce material inventory and improve material utilization, in addition it's a perfect tool for inventory traceability.</p>	600 Euro
<p>Smart bridges nesting Bridge Cutting allows two or more parts to be linked by a narrow material connector (bridge). The user can add the bridges in automatic mode or manual mode.</p>	600 Euro
<p>Automatic nesting productions sketches Nesting sketches contain key production information are used by production workshop. This module help the production department for identification and traceability of the nested parts and for efficiency calculation. The nesting sketches are generated automatically and can be exported as DXF polylines on different layers according with machine processes. It and contain the following information: Project information, Plate sheet dimensions, material grade, nesting parameters (burning length, marking length, scrap material etc), table with drawing parts positions numbers; The nesting sketch fields and design are user customizable.</p>	800 Euro
<p>Contour Bevel (includes one custom bevel post processor) For users operating a cutting machine equipped with a programmable bevel head, the Contour Bevel Interface provides a seamless solution for creating the desired NC output</p>	2000 Euro

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Post Processors:	Price
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Customized Plasma / Oxyfuel Machine Post Processor: Includes scribe/labelling) and mark support, outside/inside contours variable feed rates, kerf compensation, pre-piercing, etc. Support may vary by manufacturer and machine model	Included
Laser Machine Post Processor Provides support for fiber and CO2 laser systems. Functionality includes scribe/mark support, cut conditions by hole size, multiple pierce conditions, vaporization, sub-routines, etc. Support may vary by manufacturer and machine model	1200 Euro
Waterjet Machine Post Processor Includes scribe/mark support, federate quality, lead-in/out, dynamic piercing, etc. Support may vary by manufacturer and machine model	1200 Euro
Customized Contour Bevel Machine Post Processor (requires Contour Bevel Machine Option). Support may vary by manufacturer and machine model	2000 Euro
Custom post processor – development of user customizable post processor can be performed	contact for pricing

Software Interfaces:

Aveva Marine Software Interface - contact for pricing;
Nupas Cadmatic Software Interface - contact for pricing
Smart Marine 3D Software Interface - contact for pricing;

Maintenance The annual software subscription provides online training, unlimited technical support updates and upgrades, when available. **Price: 20% from software list price.**