SMART TEST
PLATE NESTING
SOFTWARE
NESTIX-Cutting software is the smartest NC programming system for plate cutting machines on the market.

It is the result of 25 years of development work together with our customers. It supports all the latest plate cutting technologies in flame, plasma, laser, water jet and shear cutting as well as in routers. The latest software technologies are used to make NESTIX-Cutting easy to learn and fast to use, but also to create a flexible platform to support new cutting technologies in the future.

NESTIX-Cutting may be used as stand-alone part geometry drafting, plate part nesting and NC programming software for plate cutting machines. Depending on customer needs, it may also be expanded into a unique NESTIX prefabrication shop data system to control the whole part fabrication and assembly process. NESTIX contains specialized software packages for different application areas: steel service centers, shipbuilding, mechanical engineering and the construction industry.

Customer benefits

Supports all machine types
NESTIX-Cutting supports all types of plate cutting machines in your company and thus it makes centralized NC programming possible. This saves time and enables versatile use of the organization. The software supports important advanced cutting technologies such as bevel cutting, all marking methods, drilling and punching, often better than cutting machine vendors’ own software.
Faster but with fewer mistakes
NESTIX-Cutting integrates with the customer’s design system (CAD/PLM), ERP data systems and actual plate cutting machines to speed up the plate cutting process and to prevent mistakes in repeated data input. The new dynamic user interface of the software and many automation features enable significantly faster NC programming than earlier.

Saves material
Over 50% of all plate cutting costs are related to materials; therefore, it is crucial to use maximum effort to utilize plate and remnant materials effectively. Efficient combination of interactive, semi and fully automatic nesting processes increases plate and remnant material utilization, but powerful centralized data management of all cutting information (e.g. part geometries, orders, materials, nestings, cutting technologies) is equally important in order to reach the goal. This way, it is possible to improve material utilization by as much as 2–5%.

Efficient cutting
Fast cutting is important, but it is equally important to safeguard the quality of cutting. Fast cutter paths are created with powerful automatic and interactive cutter path generation tools, which support the actual cutting technology. The cutter paths are converted into machine-dependent NC code with customized postprocessors, which take the advanced technical and quality features of modern cutting machines into consideration.

Extensive data management
NESTIX-Cutting, being a part of the NESTIX prefabrication data system, is a strong data management platform, which supports your company’s needs now and in the future. These features are available from the single user NESTIX-Cutting system up to the multi-site NESTIX prefabrication data system with hundreds of users.

Standard platform
NESTIX-Cutting is based on the industry standard Microsoft Windows operating system and SQL Server database.

Secure selection
NESTIX has 25 years of experience in making NC programming systems for cutting machines.
NESTIX was founded in 1982 and has developed software applications for part and assembly production in prefabrication shops from the very beginning being the first supplier in the market. NESTIX is a leading supplier of prefabrication shop data systems in Europe. NESTIX has obtained an AAA rating from Dun&Bradstreet for over 10 years showing the stable and profitable growth of the company.

NESTIX is a reliable partner for the prefabrication business

Solutions through experience
Our customers include major steel service centers, shipyards, mechanical engineering companies and the steel construction industry. We have customers in nearly 40 countries, and tens of millions of parts are made using NESTIX software every year.

Continuous development
NESTIX has always developed its solutions in cooperation with its partner clients. This ensures that the decisions made during the software development process are in line with the reality in the prefabrication. We are always ready to learn more from our customers to be able to develop the software further. The continuous development of the NESTIX software ensures customer software which corresponds with the fast changes in our modern world.