



## • Introduction

**Lantek Expert Cut** is a CAD/CAM system specially designed to automate the programming of sheet metal cutting machines (oxy-cut, plasma, laser and water jet). It is the result of over 25 years experience and close collaboration with both manufacturers and users of this type of machine.

It perfectly combines machine technology with the customer's programming and management needs.

**Lantek Expert Cut** offers an advanced, intuitive and friendly interface able to improve the user's efficiency when it comes to programming.

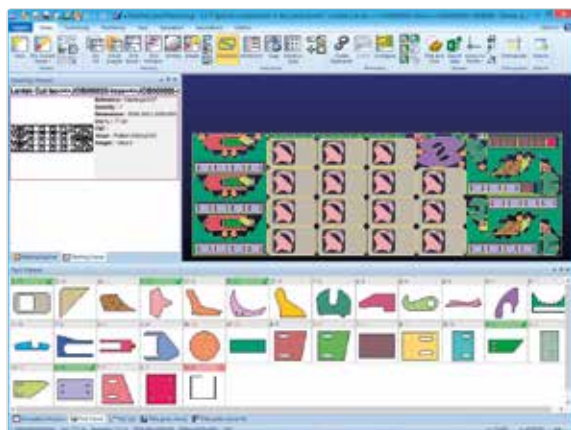


## • Nesting

Automatic and manual nesting provides great flexibility and optimum performance.

The perfect combination of automatic and semiautomatic nesting along with powerful manual nesting functions like: copying, moving, rotating, etc.

The automatic nesting of **Lantek Expert** optimizes the utilization of parts on any sheet remnant.



## • Technology

**Lantek Expert Cut** allows configuration and management of the type and value of lead-ins/lead-outs for different types of contours. It is possible to common cut between different parts or limit to pairs of parts (with micro-joints and pre-cuts).

It detects any errors in the design and machining.

**Lantek Expert Cut** provides automatic lead-ins/lead-outs, manual and automatic cutting, copied machining, customized machine configuration and postprocessors for all type of machines.

## • Laser technology

**Lantek Expert Cut** provides specific laser technology tables for each type of machine; management of reduced lead-ins/lead-outs with runback; personalized piercing; fast piercing; sprint-laser; flying cut; micro-welds; micro-joints; head management; contour attributes; automatic an manual extractions...



## • Water jet technology

It provides specific water jet technology tables for each machine, speed reduction in corners, special piercing and multi head management. Moreover, it manages the unique characteristics of cutting with water jet technology.

## Oxycut/Plasma technology

**Lantek Expert Cut** supports technological elements such as: chamfers, loops and bridges. It perfectly manages different types of heads/torches and handles any changes between them.

Other important features are:

- Multi-Torch



- Marking with powder, punch, inkjets, drilling, etc.
- Continuous cutting.
- Chamfers: perfect management of machining with revolving and triple torches.



## Technical characteristics

- All the **Lantek Expert** options are integrated into one program. Moreover, **Lantek Expert** is fully integrated with the Integra Management Software System: **Lantek Integra**, offers different CAD/CAM/ERP

solutions for manufacturing companies belonging to the sheet metal, beam section and tubes processing sector. Additionally, **Lantek Expert** is designed to connect to an external ERP.



- Teamwork. Available for operation as a stand alone productivity cell or as a part of a network system. It is possible to work with a floating license.
- Time and true costs calculation. **Lantek Expert** manages all the technology of the machine and calculates the time and cost by piece and by sheet.
- Increase of parametric parts library.
- Parts management and sheet metal warehouse carried out by open databases. All the parts are stored in organized databases. Sheets and remnants are located in a sheet metal store, sorted by material, thickness, date, etc.
- 2D design. It provides advanced geometry and edition options.
- Intelligent import/export. Connection to the principal CAD systems on the market: DXF, DWG, IGES, etc.
- Totally integrated with the mainstream 3D design systems (SolidWorks®, Autodesk Inventor®, Solid Edge®, Catia®, ...)
- Moreover, **Lantek** offers different products to satisfy the production needs of each company: with software available for beam sections, tubes, duct (HVAC) and all fully integrated with the **Lantek Integra** Management Software System.