Libellula.WIZARD

Nesting, technology and machine code in 4 steps and 3 versions. Easier, faster and more versatile than ever!
Libellula.WIZARD is the revolutionary CAM application designed by the Libellula engineers to combine ease of use and quick preparation machine thanks to the innovative WIZARD mode, a real exclusive technological research, through a guided path reduces to 4 steps what software competitors offer through long and complex settings:

- Step 1. Job creation by importing parts to be produced
- Step 2. Nesting
- Step 3. Technology
- Step 4. Machine Code and Realistic Simulation

The software has been specifically developed to be also used through the touch-screen type, and is therefore particularly suitable to be installed in the workshop on board the machine.

Libellula.WIZARD is available in 3 versions to suit every type of machine and cutting technology

- Libellula.WIZARD 1: CAM / CAD single icon programming
- Libellula.WIZARD 2: CAM / CAD multiple icons programming
- Libellula.WIZARD 3: CAM / CAD multiple icons and automatic programming
Libellula.WIZARD

**IMMEDIATE VERIFICATION OF THE PRODUCTION CYCLE**

**EASY TO USE AND PROGRAM THANKS TO THE EXCLUSIVE “ONE CLICK” LIBELLULA TECHNOLOGY**

**Besides the ease of use, there is a wealth of features and functions that have no equal. The best of the famous Libellula experience**

- **Monitor-touch and multi-touch interface:** light and ergonomic, specially sized for touch-screen typing
- **User friendly:** easy to learn, “Zero Training” Libellula philosophy
- **One-click:** you get to production via an easy guided path, minimizing the time required for preparation of the programs
- **Realistic simulation:** in the full version, Libellula.WIZARD allows you to check the production cycle just created in a realistic environment to test its correctness
- **Parametric figures:** a large number of figures that are most commonly used in the production sheet is made available in parametric form to enable the design of parts to be produced in a particularly fast way.
Leverages the seamless integration of Libellula.WIZARD with the Libellula Universe software, thanks to add-on modules

**mod.HVAC**
- Is a module for the management of a rich library of designs for laser cutting parametric figures specific to the pipes of air systems, air-conditioning and ventilation systems
- The library includes three sets of figures: the circular and conical, the 'square' (rectangular, rounded rectangular and hoppers) and the oval, as well as including a rich set of complementary plane figures (eg. rings, flanges etc.)
- Once all parameters are defined, the module generates with a single click the nesting, cutting paths, the cutting program for the machine and places the task in the job queue

**mod.BEVEL**
- It is the fastest and most efficient solution for the creation of the CNC code for sheet metal cutting machines equipped with bevel head
- Makes it extremely easy to manage different types of cuts: single cuts or loop, cuts with a varied angle on the same detail, cuts corners with recurrent bevel, cuts to negative inclination, shoulder bevel cuts, triple bevel
- It requires the use of Libellula.CAD for the creation of the details, provided with all the information relating to the bevel angles applied

**mod.STORAGE**
- It is the integrated module for the warehouse sheets management and processing remnants, which allows to know in real time the detailed situation of the magazine and its economic value
- Using different search parameters, the module allows a return values of stock divided by material (iron sheet, sheet steel, carbon steel, aluminum sheet), by characteristics (flat sheet, sheet metal, transparent sheets, rolling pantographs ) or by destination of use (e.g. rolling gates)
- It allows you to have at any time an accurate situation of the availability of metal sheet metal for the optimal processing of nesting and keep automatically updated the status changes in stocks

**Libellula.VISIO**
- Is the software that supervises the monitoring of all stages of the manufacturing process of the sheet metal making possible the automated scheduling
- Enables the management of orders and production queues and can manage the assignment centrally or locally on the part of the operator, ensuring maximum flexibility
- It offers a series of exceptionally advanced features such as:
  - management of processing queues
  - execution and validation of production
  - diagnosis and quality control of the pieces produced
  - can direct interface to the numerical control
  - loading management for the sheet metal and remnant machines
Libellula.WIZARD Configurations
Three different versions to fit any type and need of the sheet metal cutting

Libellula.WIZARD 1 - CAD / CAM single icon Cutting Software
Is the configuration of the input to the Libellula.WIZARD environment and allows importing DXF / DWG drawing files for laser cutting, dispose one at a time on a single sheet and apply a duplication of the particular matrix, so as to minimize offcuts.
After you have indicated the positioning of the attachment of the first detail, other identical parts are automatically processed in the same way, without the need to repeat the process.
The interaction with the user is limited to the time prior to the production of the postprocessor, which shall bear the FEED parameters of the cutting path and the other salient parameters for the production of a correct program.

Libellula.WIZARD 2 - CAD / CAM Multiple icons sheet Cutting Software
It contains all the features of version 1, allowing in addition the creation of a list and the amount of detail to be cut. Automatic nesting will arrange to have the details on the sheet metal in the chosen format, in such a way as to minimize the scraps. For every single detail, you will only have to indicate the position of the lead-in to ensure a path of fast and efficient cutting.

Libellula.WIZARD 3 - CAD / CAM Multiple Icons Cutting Software with automatic cutting path
It is the complete configuration of Libellula.WIZARD, equipped with automatic nesting and calculation of the cutting path. The system then chooses independently the position of the attack and the optimal shape for each particular metal sheet, while all the optimal parameters for the management of the cutting technology will be automatically filled thanks to the presence of the appropriate parameter tables. The absolute ease of this configuration, allows anyone to arrive at the proper planning of its laser cutting machines, plasma, flame cutting or waterjet directly in the workshop, without the time and costs associated with learning a new system.
Libellula.WIZARD 1 - Software taglio CAD/CAM icona singola
È la configurazione d’ingresso all’ambiente Libellula.WIZARD e permette di importare i file di disegno DXF/ DWG per taglio laser, disporne uno per volta su di una singola lamiera ed applicare una duplicazione matriciale del particolare, in modo da minimizzare gli sfridi.
Dopo aver indicato il posizionamento dell’attacco del primo particolare, gli altri pezzi uguali sono trattati automaticamente nello stesso modo, senza necessità di ripetere il processo.
L’interazione con l’utente si limita al momento precedente alla produzione del postprocessor, in cui saranno indicati i parametri di FEED del percorso di taglio e gli altri parametri salienti per la produzione di un programma corretto.

Libellula.WIZARD 2 - Software taglio lamiera CAD/CAM icone multiple
Contiene tutte le funzionalità della versione 1, consentendo in più la creazione di un elenco e la quantità di particolari da tagliare.
Il nesting automatico si preoccuperà di disporre i particolari sulla lamiera del formato prescelto in modo da minimizzare gli sfridi.
Per ogni singolo particolare differente, si dovrà solo indicare la posizione dell’attacco per assicurare un percorso di taglio veloce ed efficiente.

Libellula.WIZARD 3 - Software taglio CAD/CAM icone multiple con percorso di taglio automatico
È la configurazione completa del Libellula.WIZARD, dotata di nesting automatico e del calcolo del percorso di taglio automatico.
Il sistema sceglierà quindi autonomamente la posizione e la forma ottimale dell’attacco per ogni particolare presente in lamiera, mentre tutti i parametri ottimali per la gestione della tecnologia di taglio saranno compilati automaticamente grazie alla presenza delle apposite tabelle di parametri.
L’assoluta facilità di questa configurazione, consente a chiunque di giungere ad una corretta programmazione delle proprie macchine da taglio laser, plasma, ossitaglio o waterjet direttamente in officina, senza tempi e costi relativi all’apprendimento di un nuovo sistema.

Tre versioni per adattarsi ad ogni tipologia ed esigenza di taglio lamiera