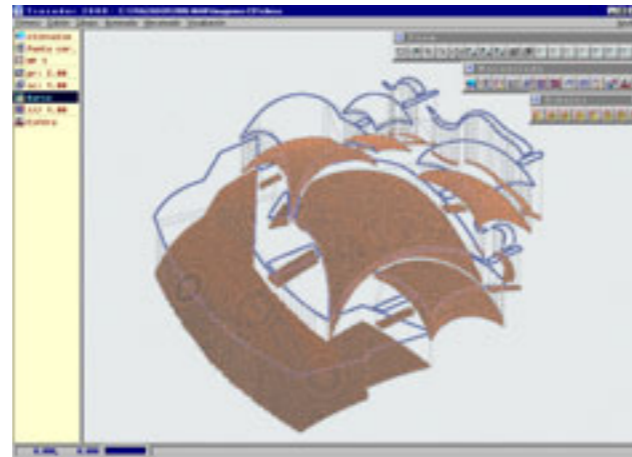




Conectividad

Import Areas and Trajectories in 2D and 3D:

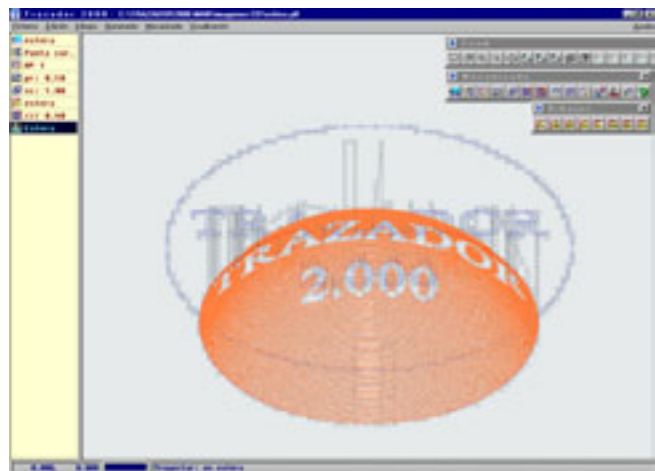
- *.LIN de NasCAD*
- *.DXF of AutoCAD, Corel, Freehand, ...*
- *.ISO of any NC.*
- *Automatic detection of preprocessing errors.*



Proyecciones 3D

NasCAD 2000 ® Plus also offers 3D Projections:

- *Conical projections.*
- *Spherical projections.*
- *Cylindrical projections.*
- *Inclined plane projections..*
- *Profile movement projections.*
- *Profile rotation projections.*



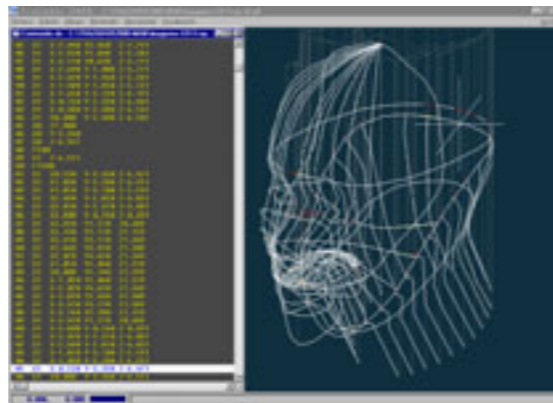
Visualización

- *2D Visualization.*
 - *Top view.*
 - *Front view*
 - *Right-Left view.*
- *3D visualization.*
 - *Parallel perspective.*
 - *Conical perspective .*
- *ISO and tool trajectory visualization.*



Purchasing of the License includes:

- * Adaptation of the suitable configuration to the machine/s. (**NasCAD 2000 ® Plus**).
- * 3-day training course (24 hours) in our plant. (**NasCAD 2000 ® Plus**).
- * User's guide in english.
- * 1-year rights to receive the updated versions of the programs.
- * Free 90-day technical support by phone.
- * 24 hour direct advice by fax and E-mail.



smi erandio, s. l.



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www.herluce.com

Tel.-Phone. (94) 668.09.45

Fax (94) 668.05.46



We present a new incredible tool **NasCAD 2000 ® Plus** future technology for the demanding user who wants to be ready for the new millennium.

Joining efforts and knowledge we have combined the over-fifty-years experience of our trademark **HERLUCE** in the engraving market, and the know-how of the prestigious firm **INTERGRAPH**, leader in the CAD system worldwide market. A perfect combination that will solve all your problems in engraving, milling, cutting and drilling, ... in 2D and 3D and that also includes utility programs, converters, DNC, High speed,

Now we put an attractive composition **NasCAD 2000 ® Plus** at your disposal. It is composed of:

- * **The 2D CAD System "SmartSketch" V.5 from INTERGRAPH**
- +
- * **The CAM System "Trazador 2.000" from NasCAD-HERLUCE.**
- +
- * **The vectorizing System "PhotoCompass".**
- +
- * **Utilities NasCAD 2.000**
- +
- ...

And you will get the whole of it in a Windows 32-bit software, certified for the new Windows 2000, XP, Vista and Windows 7 systems from Microsoft.

NasCAD 2000 ® Plus is the ideal program for simple engraving works (lettering, signs), mass production (automatic numbering), or advanced technical engraving (graphite electrodes projected on a curve for spark erosion EDM, ...).



Among others, in **NasCAD 2000 ® Plus** you can find the following characteristics:

PhotoCompass

Get the outmost from your scanner with PhotoCompass, the best vectorizing system in the market. The most advanced vectorizing, retouching and graphical handling system at your disposal.

Transform your sketches, designs and creations rapidly into drawings ready to engrave.

- **Admission of the most important image formats:** (Windows BMP, NasCAD PTO, NasCAD PPT, Painbrush PCX, TIFF, RLC, ...).
- **Automatic spot removal.**
- **No limit resolution.**
- **Fidelity control.**
- **Vectorized DXF file output(AutoCAD).**



Text

Now you can freely use any kind of fonts to create your texts:

- *AutoCAD text fonts.*
- *Windows TTF text fonts.*
- *NasCAD ABC text fonts.*
- *High and low relief.*
- *Symmetry.*
- *Circle projections.*
- *Adjust text to a curve.*
- *Total control on the spacing table.*

Font Converter

- *Windows .TTF a NasCAD .ABC*
- *Fuentes AutoCAD a NasCAD .ABC*

Automatic Numbering

NasCAD 2000 ® Plus offers a wide range of possibilities to number your pieces:

- *Automatic numbering in a single file.*
- *Automatic numbering in multiple files.*
 - *Any sequence of your choice.*
 - *Inserting trajectories.*
 - *Any combination with prefix and suffix.*
- *Automatic recording of current date and hour.*
- *Substitution of numbers by characters using your own codes.*
- *Text list recording.*

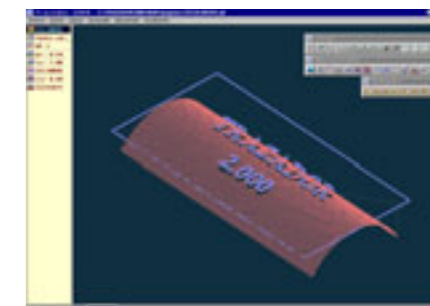


Trazador 2000

Trazador 2000 will surprise you with its new clearer and easier to understand entities, gathering all the machining concepts your engraving needs.

- *New more clearer and easier to understand entities.*

The user tells **TRAZADOR 2000** which is the image (or images) that determine the working piece, which are the tools that it wants to use and the kind of work that is expected to be done by each one. With this data, **TRAZADOR 2000** creates a ISO program (a piece program for machines) automatically in order to manufacture the piece.



TRAZADOR also processes: Production control data that can be printed as factory sheets, estimated manufacturing time and construction files, where all the relevant data is gathered. **TRAZADOR** carries the following tasks out:

- **Simple Translation.**

Converts into ISO program the trajectories drawn in a CAD program. For example, we will have a drilling with a tram of points.

- **Solidifying**

It can be restricted to certain areas (drawings with closed contours) of another image. An application can be to restrict a tram which contains a knurl to the areas of the image where we want to apply it.

- *Paralell lines in any angle.*
- *Paralell to the object.*

- **Contour.**

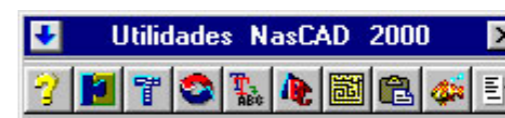
- *Right-Left.*
- *Pass twice..*

Avoid tool breaking by choosing the most suitable way of tool approaching to the piece.

- **Tool entry type..**

- *Vertical*
- *3D (Forward-Backward in a ramp).*
- *Spiral.*
- *Tangent Arch.*

Finish your works with the highest



quality by using the 3D Finishing of Trazador 2000. Every interior edge will be machined with total perfection.

- **3D Finishing.**

The edges left by previous tools can be finished by making **movements in 3D** with a **conical tool**. The outline and finishing can be carried out at the same time or with different tools.

TRAZADOR 2000 can be configured so that the ISO program output language can be used by any numerical control, plotter, etc.

Intelligent Machining

When working with several tools, **NasCAD 2000 ® Plus** automatically excludes the areas that have been already done by the previous tools.



With the new **INTELLIGENT MACHINING** of **NasCAD 2000 ® Plus** you will obtain faster and more accurate results and will get the most out of your machining.

INTELLIGENT MACHINING
will reduce the time of your
machining to the minimum.

