



**PROfirst**  
CAD/CAM SOFTWARE

SOFTWARE

# CADCAMCOSTING

LASER PLASMA GAS WATERJET



CAD



CAM



COSTING

PROfirst

EASY - PROFESSIONAL - MODULAR

## 2D and 3D CAD especially for sheet metal



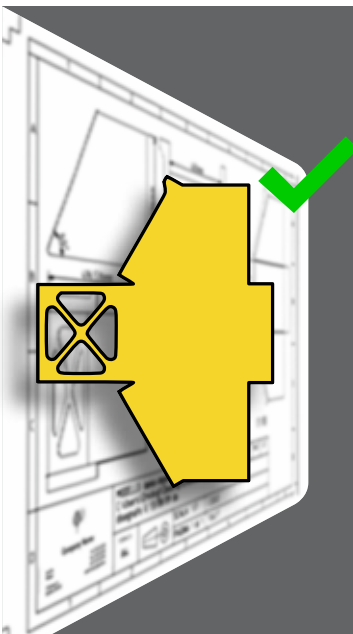
Sure you already have a 2D CAD program but is it specially designed to help you do your job as quickly as possible? You will be amazed with the ease of use and the many special functions for sheet metal parts like:

- **one-click clean-up of DXF/DWG files to obtain just the part for cutting**
- excellent import of all main formats DXF/DWG/GEO/DSTV/PDF
- easy to use drawing functions
- automatic checking for open and double contours
- conversion of vector PDF files directly to DXF
- quick calculation of weight, cutting time and cost of a part
- library of 2D macros
- construction and unfolding of simple 3D sheet metal parts



## Convert images to metal parts

**PROfirst ARTIST** converts pictures to closed DXF contours that can be reworked a little and cut as metal parts. All standard pixel formats can be converted. You can even convert photos into DXFs with holes to be punched or cut on fast laser-cutting machines. ARTIST allows you to cut artistic parts with very little drawing work.



## Rapid drawing clean-up

DXF/DWG/PDF FILES ARE CLEANED REALLY FAST

PROfirst CAD allows you to extract and clean the part to be cut automatically from a complex customer drawing. It checks for and deletes double lines and closes and smoothes the contour within a specified tolerance. The final stage

is to rescale the drawing to the correct required dimension. This speed and ease of use allows you to use customer drawings directly to make quotations.

Drawings with several parts in one file can be separated quickly.

# Best NESTING CAM easy and complete

PROfirst CAM works in automatic, semi-automatic and manual mode allowing you to work quickly for standard parts, but enabling you to change things on parts requiring special attention. Among the special features are:

- automatic import of DXF/DWGs from an Excel or CSV list
- multi-format nesting for laser/plasma/gas and water-jet cutting
- power and ultra nesting nests is better and faster than you can do by hand
- automatic cutting path with flexible setting of lead-ins
- display and avoid possible collisions in the cutting path
- micro-joints, bridges, continuous- or common-cut, remnant cutting
- flexible manual and automatic multi-head nesting
- prints production documents and labels
- management of parts, nestings, remnants and sheet stock



## 1 Click-CAM

From DXF/DWG to nesting in one-click

The easiest nesting ever:

- select DXF/DWGs, enter quantity, material and thickness
- change pierce position or cutting order if required
- print nesting plan and generate the G-CODE ISO/ESSI

**ALL IN ONE MINUTE!**

Install in 5 minutes and learn in 2 hours.

From CAD to finished program in one software.



### Perfect power nesting You won't nest better!

Save time and lots of material using our high powered 64-bit multi-core POWER and ULTRA nesting modules. You won't nest manually anywhere near as good. If you like puzzling, do a jig-saw at home but don't waste time and material at work!



### Tailored to your needs No more, no less.

The software has options to solve every problem and can be customized according to the type of machine, cutting technology and business size. It can grow with your company, adding only what you need, when you need it.



### DATABASE Access or SQL

Manages quotations, parts, nestings, sheets and remnant stocks. It stores:

- parts with link to original DXF/DWG with any special machining technology.
- nesting jobs, nested sheets and cutting orders to optimise your production
- new and remnant sheets with all details and sheet documentation for ISO 9000 traceability
- links parts to assemblies and customers as required
- machine settings and optimised cutting setup for best possible cutting quality
- search tools with advanced filters, backups, free data export to excel
- easy interfacing to other ERP software and optional machine planning software Jobvision

# Quotations, for more than just cutting



PROfirst CALCULATION is a very advanced quotation software allowing you to quote sheet metal parts including all subsequent productions jobs like bending, drilling, welding, galvanising painting etc.. Quotations are really fast to make due to the following functions:

- import of one or more parts from DXF, DWG, PDF, and image files or scans
- automatic nesting of parts with calculation of material used
- precise calculation of cutting time including small, medium, large contours
- setup costs such as programming, sheet loading, unloading, transport etc
- profit margin in % clearly added so you see exactly what is earned
- fast printout and automatic email of quotation using custom templates
- quotes can be exported for subsequent import into ERP systems or Excel
- STEP viewer and optional 3D-Unfolder for STEP and IGES files.

Perfect for job-shops. Get more orders by quoting faster and more accurately with much less work. Especially made for sales offices so that they have the correct tool for their job and don't need to wait on technical offices to make quotations. Quotes will be more accurate with less need for technical experts.



## FAST

You no longer have to wait for answers from the production. Quote first before your competitors and get more orders.



## EXACT

Build customer trust with repeatable prices. Get the profit margin spot on. Small quotes can be made from less experienced staff.



## PROFESSIONAL

Your customers will be impressed by fast, professional looking quotes. Ordering is made easier for customers due to clear and accurate quotations.

