

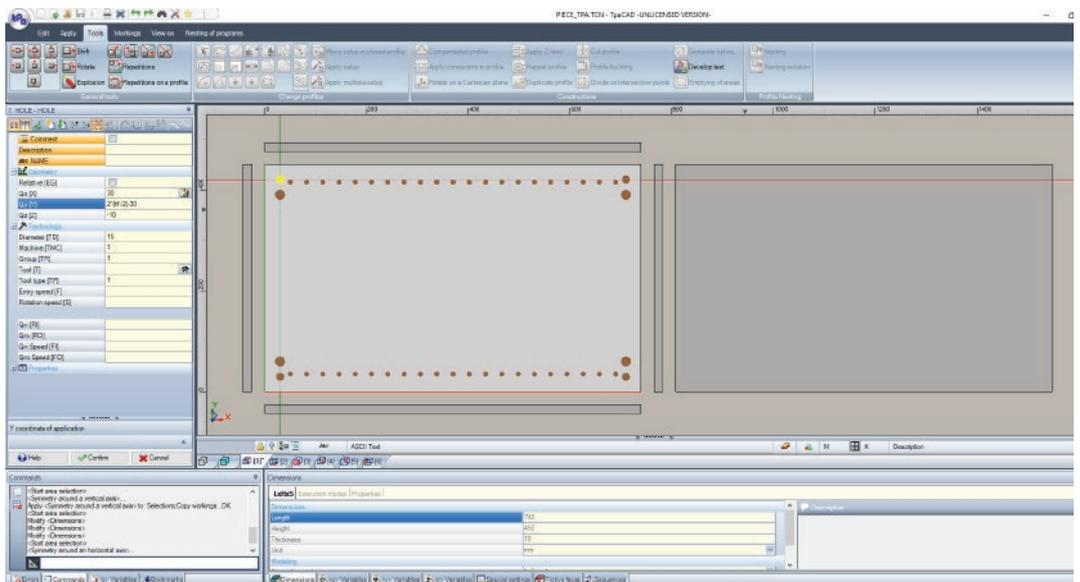


TpaCAD

GENERAL FEATURES

TpaCAD is CAD/CAM programming system by TPA for Microsoft Windows environment. It can interface with working centres up to 5 axes. TpaCAD may be applied to several sectors as wood, marble, metal, glass, and plastic materials.

The best feature of TpaCAD is offering in one single environment the high performances of a graphical Editor to the excellent and specific functionalities, that are typical of a CAD designing program. The software is available in three versions: Essential, Basic, Professional.



.tcn FORMAT AND GENERAL

The original TpaCAD format is .tcn, stemming from the specific needs of panel programming: a file may contain several types of technological information related to the workings the machine needs to execute. Today, tcn is a very common format among furniture manufacturers, and it is exported by most programs operating in the woodworking sector.

Furthermore, TpaCAD can import and export two standard formats in the CAD/CAM environment: DXF and g-code (ISO). Both import and export offer wide configurability levels, so that the production is made more efficient by eliminating or minimising manual interventions on single files.

Essential Version

- Interface available in 15 languages (Italian, English, German, Chinese, French, Spanish, Russian, Czech, Dutch, Polish, Turkish, Japanese, etc.)
- Interpretation of different designing formats (DXF, Gcode)
- Integration of the technology for the single machine or line
- Wide native set of complex workings dedicated to drilling, insertions, and milling
- Possibility to program logical instructions, like IF-ENDIF cycles, writing of variables
- Different piece views: three-dimensional, expanded views, two-dimensional, box view
- Definition of inclined planes
- Possibility to create parametric subroutines

code SW1.1.02

code SW1.1

Basic Version

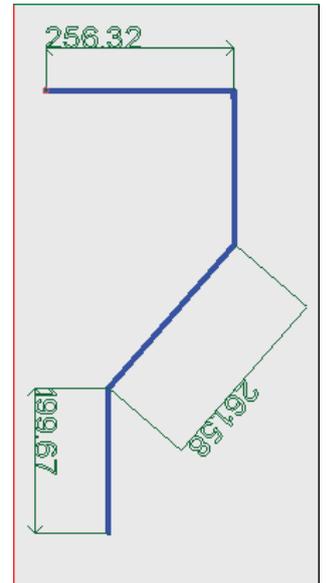
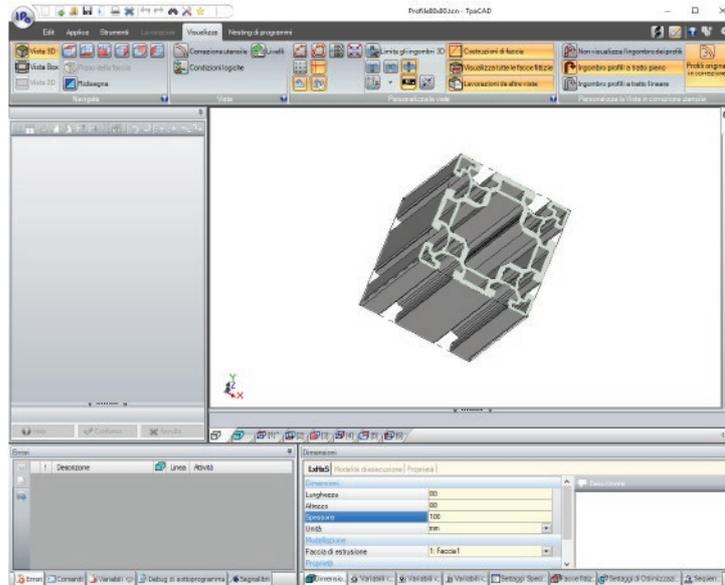
code SW1.1.03

- All the functionalities of the Essential version
- Completely customisable working database
- Possibility to create parametric macros
- Maximum 1.000.000 programmable workings for each work face

Professional Version

code SW1.1.04

- All the functionalities of the Basic version
- Production of different designing formats (DXF, Gcode)
- Piece shaping with the extrusion technique
- Possibility to create documented prints of the piece (dimensioning and the like)
- Generation of emptying profiles, writings, Spline curves
- Generation of curved working planes and surfaces



MPR IMPORTER

code SW1.2.03

The MPR format is used in piece programming with Homag machines, which is since long time the leader in the field of CNC machines used in the furniture manufacturing. TpaCAD offers MPR importer as option to the final customers, who decide to buy machines with Tpa system. This option allows to start production with the new machine, by using their own existing files, even possibly modifying them, if necessary.