



# Import DXF

## GENERAL FEATURES

Dxf import allows you to convert the Dxf file in TpaEdi32 and TpaCAD format.

A generic Dxf file includes geometrical elements without any technological contents:

- points
- circles
- lines
- arcs
- polylines
- ellipses
- text

## FUNCTIONAL CHARACTERISTICS

The import provides the creation of a program whose dimensions are calculated on the overall dimension of the geometric elements of the Dxf.

Points and circles are imported as point workings, i.e. drilling works, whose diameter corresponds to the diameter of the circles.

Lines, arcs, polylines, ellipses and text are imported as profile workings, i.e. milling works with setup, linear segments and arcs. X, Y and Z coordinates of the workings are calculated according to the position of the geometrical elements.

You can:

- define a layer that identifies the origins and the dimensions of the piece;
- exclude a list of non-significant layers (dimensioning, comments,...). To be more precise, you can import the only geometrical elements that are associated to a predefined list of layers.

The basic functioning provides the positioning of all the workings in the front side face (face 1).

Additional functionalities available in the Professional versions of the product, which include the automatic calculation of the piece faces, are:

- conversion of the technological information in the layers, on all the piece faces
- association of working macros (sawing works, insertions...) through layers or level
- the conversion of the blocks that must be associated to the subroutines with the attributes corresponding to the global variables of the subroutines.

For each working you can associate technological parameters such as tool typology, tool number, speed, deceleration, contouring, ...

## UTILITY

Import DXF allows the adjustment and the use of projects developed in Cad.Dxf format.

