Different file format support for Laser Scanners
(FDDRO.DLL)

key features:

purpose

Laser scanners are usually able to mark only lines. Every other geometric object must be converted into short lines. This is the purpose of DLL - to convert complex graphic objects from different files into series of short lines which can be executed on laser scanner. In addition there is also on the fly generation of text and different types of "holes".

simple interface

Generated short lines ares made available to DLL user through the "CallBack" interface. So user can define several line-callback functions; one to display the lines, another to execute lines on the scanner, and so on. There is no need to store the lines in the computer memory.

file formats

The following formats are supported: DXF, HPGL and G-code (ISO-6983). Only 2D DXF objects are converted. But from the G-code files the full 3D information is converted. Beside lines the following information is also available on the interface: layer for DXF, pen for HPGL, tool exchange for G-code.

laser and scanner parameters

User of DLL can assign different parameters of laser scanner and laser beam to layers which are available on interface. User can also select the lines on base of layer.

dynamic objects

It is possible to generate texts on the fly. The installed True Type fonts or AUTOCAD "shp" fonts can be selected. So the marking of serial numbers is simple, for instance. It is also possible to generate different type of holes. A reach set of parameters controls the type of the hole.