

SAM Light

SAMLight is based on the technology of SAM and provides the functionality for many industrial applications as well as for job shops.

The laser marking software

User Interface

- runs under Windows (32 + 64 bit) 8, 7, Vista, XP
- English, French, German and Chinese versions available.
Other languages can be added with an integrated resource editor
- password protected user levels

Job Editor

- fast rendering of graphical data
- transformation of data with mouse and keyboard input
- comfortable alignment and spacing functions
- property page concept for fast adjustment of pens, hatch parameters etc.
- transformation of point items
- entity list for defining the mark order

Automation

- different control objects (Wait, Timer, ...)
- remote control via ethernet or direct program calls
- motion control for driving up to 6 axes
- step and repeat
- split mode for marking large objects
- vector and bitmap rotary marking

Optic

- supports different scanner controller cards
- variable adjustment of laser and scanner parameters
- scanner movement preview

Hatcher

- filling of 2D polygon lines and layer structures with various styles
- beam compensation of closed polygon lines during hatching

Bitmaps

- generation of markable scanner bitmaps
- dithered and grey scale marking

File Formats

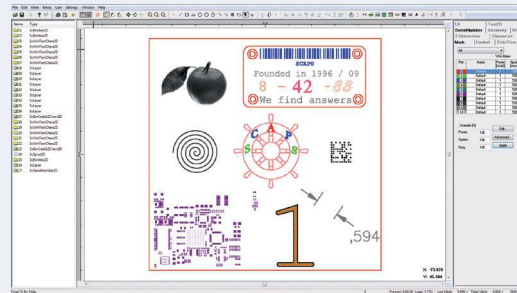
- SJF (SCAPS Job Format) with fast preview capabilities
- many bitmap and vector import and export formats (bmp, plt, dxf, ai, svg, ...)

Barcode

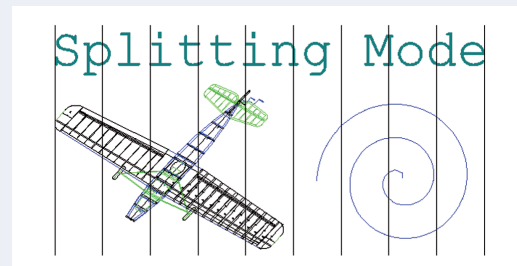
- generation of different 1D and 2D barcodes like 3of9, EAN, EAN-128, Code-128, UPC-A, Data Matrix, ...
- extended Data Matrix ECC 200 access mode
- Data Matrix dot generation

Text

- linear and radial text
- Windows True Type fonts
- serial numbers
- customizable date/time objects
- laser fonts
- font editor for defining customized laser fonts



user interface



split modes

```
m_client.ScLoadJob("testjob.sjf", 1, 1, 1);  
m_client.ScChangeTextByName("textfield", "Hello World");  
m_client.ScMarkEntityByName("textfield");
```

ClientControl program calls



beam compensation



QR barcode with logo