

**NAME**

Valentina – Pattern making program.

**SYNOPSIS**

valentina [options] file

**DESCRIPTION**

**Valentina** is a cross-platform patternmaking program which allows designers to create and model patterns of clothing. This software allows pattern creation, using either multisize sizing tables or an individual's set of measurements. It blends new technologies with traditional methods to create a unique pattern making tool.

**OPTIONS**

- h, --help  
Displays this help.
- v, --version  
Displays version information.
- b, --basename <The base filename of layout files>  
The base filename of exported layout files. Use it to enable console **export mode**.
- d, --destination <The destination folder>  
The path to output destination folder. By default the directory at which the application was started. The path must exist and be reachable for the program.
- m, --mfile <The measure file>  
Path to custom measure file (**export mode**).
- n, --time <Time>  
<Time> in minutes given for the algorithm to find best layout (**export mode**). Time must be in range from 1 minute to 60 minutes. Default value 1 minute.
- coefficient <Coefficient>  
Set layout efficiency coefficient (**export mode**). Layout efficiency coefficient is the ratio of the area occupied by the pieces to the bounding rect of all pieces. If nesting reaches required level the process stops. If value is 0 no check will be made. Coefficient must be in range from 0 to 100. Default value 0.
- f, --format <Format number>  
Number corresponding to output format (default = 0, **export mode**):
  - \* Svg files (\*.svg) = 0,
  - \* PDF files (\*.pdf) = 1,
  - \* Image files (\*.png) = 2,
  - \* Wavefront OBJ (\*.obj) = 3,
  - \* PS files (\*.ps) = 4,
  - \* EPS files (\*.eps) = 5,
  - \* AutoCAD DXF R10 (flat) files (\*.dxf) = 6,
  - \* AutoCAD DXF R11/12 (flat) files (\*.dxf) = 7,
  - \* AutoCAD DXF R13 (flat) files (\*.dxf) = 8,
  - \* AutoCAD DXF R14 (flat) files (\*.dxf) = 9,
  - \* AutoCAD DXF 2000 (flat) files (\*.dxf) = 10,
  - \* AutoCAD DXF 2004 (flat) files (\*.dxf) = 11,
  - \* AutoCAD DXF 2007 (flat) files (\*.dxf) = 12,
  - \* AutoCAD DXF 2010 (flat) files (\*.dxf) = 13,
  - \* AutoCAD DXF 2013 (flat) files (\*.dxf) = 14,
  - \* AutoCAD DXF R10 AAMA files (\*.dxf) = 15,
  - \* AutoCAD DXF R11/12 AAMA files (\*.dxf) = 16,
  - \* AutoCAD DXF R13 AAMA files (\*.dxf) = 17,
  - \* AutoCAD DXF R14 AAMA files (\*.dxf) = 18,

- \* AutoCAD DXF 2000 AAMA files (\*.dxf) = 19,
  - \* AutoCAD DXF 2004 AAMA files (\*.dxf) = 20,
  - \* AutoCAD DXF 2007 AAMA files (\*.dxf) = 21,
  - \* AutoCAD DXF 2010 AAMA files (\*.dxf) = 22,
  - \* AutoCAD DXF 2013 AAMA files (\*.dxf) = 23,
  - \* PDF tiled files (\*.pdf) = 33.
- bdfx Export dxf in binary form.
- text2paths  
Export text as paths.
- exportOnlyDetails  
Export only details. Export details as they positioned in the details mode. Any layout related options will be ignored.
- exportSuchDetails <The name regex>  
Export only details that match a piece name regex.
- x, --gsize <The size value>  
Set size value a pattern file, that was opened with multisize measurements (**export mode**). Valid values: 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56cm.
- e, --gheight <The height value>  
Set height value a pattern file, that was opened with multisize measurements (**export mode**). Valid values: 92, 98, 104, 110, 116, 122, 128, 134, 140, 146, 152, 158, 164, 170, 176, 182, 188, 194, 200cm.
- userMaterial <User material>  
Use this option to override user material defined in pattern. The value must be in form <number>@<user material name>. The number should be in range from 1 to 20. For example, 1@Fabric2. The key can be used multiple times. Has no effect in GUI mode.
- p, --pageformat <Template number>  
Number corresponding to layout page template (default = 0, **export mode**):
- \* A0 = 0,
  - \* A1 = 1,
  - \* A2 = 2,
  - \* A3 = 3,
  - \* A4 = 4,
  - \* Letter = 5,
  - \* Legal = 6,
  - \* Tabloid = 7,
  - \* Roll 24in = 8,
  - \* Roll 30in = 9,
  - \* Roll 36in = 10,
  - \* Roll 42in = 11,
  - \* Roll 44in = 12,
  - \* Roll 48in = 13,
  - \* Roll 62in = 14,
  - \* Roll 72in = 15.
- landscapeOrientation  
Switch page template orientation to landscape (**export mode**). This option has effect only for one of predefined page templates.
- W, --pagew <The page width>  
Page width in current units like 12.0 (cannot be used with “pageformat”, **export mode**).

- H, --pageh <The page height>  
Page height in current units like 12.0 (cannot be used with “pageformat”, **export mode**).
- U, --pageunits <The measure unit>  
Page measure units (**export mode**). Valid values: mm, cm, inch, px.
- i, --ignoremargins  
Ignore margins printing (**export mode**). Use if need full paper space. In case of later printing you must account for the margins himself.
- L, --lmargin <The left margin>  
Page left margin in current units like 3.0 (**export mode**). If not set will be used value from default printer. Or 0 if none printers was found.
- R, --rmargin <The right margin>  
Page right margin in current units like 3.0 (**export mode**). If not set will be used value from default printer. Or 0 if none printers was found.
- T, --tmargin <The top margin>  
Page top margin in current units like 3.0 (**export mode**). If not set will be used value from default printer. Or 0 if none printers was found.
- B, --bmargin <The bottom margin>  
Page bottom margin in current units like 3.0 (**export mode**). If not set will be used value from default printer. Or 0 if none printers was found.
- followGrainline  
Order detail to follow grainline direction (**export mode**).
- manualPriority  
Follow manual priority over priority by square (**export mode**).
- nestQuantity  
Nest quantity copies of each piece (**export mode**).
- c, --crop  
Auto crop unused length (**export mode**).
- cropWidth  
Auto crop unused width (**export mode**).
- u, --unite  
Unite pages if possible (**export mode**). Maximum value limited by QImage that supports only a maximum of **32768x32768 px** images.
- S, --savelen  
Save length of the sheet if set (**export mode**). The option tells the program to use as much as possible width of sheet. Quality of a layout can be worse when this option was used.
- l, --layounits <The unit>  
Layout units (as paper’s one except px, **export mode**).
- G, --gapwidth <The gap width>  
The layout gap width x2, measured in layout units (**export mode**). Set distance between details and a detail and a sheet.
- g, --groups <Grouping type>  
Sets layout grouping cases (**export mode**):
  - \* Three groups: big, middle, small = 0,
  - \* Two groups: big, small = 1,
  - \* Descending area = 2.
- t, --test  
Run the program in a test mode. The program in this mode loads a single pattern file and silently quit without showing the main window. The key have priority before key “basename”.

- `--pedantic`  
Make all parsing warnings into errors. Have effect only in console mode. Use to force Valentina to immediately terminate if a pattern contains a parsing warning.
- `--no-scaling`  
Disable high dpi scaling. Call this option if has problem with scaling (by default scaling enabled). Alternatively you can use the `QT_AUTO_SCREEN_SCALE_FACTOR=0` environment variable.
- `--csvWithHeader`  
Export to csv with header. By default disabled.
- `--csvCodec <Codec name>`  
Specify codec that will be used to save data. List of supported codecs provided by Qt. Default value depend from system. On Windows, the codec will be based on a system locale. On Unix systems, the codec will might fall back to using the iconv library if no builtin codec for the locale can be found. Valid values usually these:
- \* US-ASCII,
  - \* US-ASCII,
  - \* ISO-8859-1,
  - \* ISO-8859-2,
  - \* ISO-8859-3,
  - \* ISO-8859-4,
  - \* ISO-8859-5,
  - \* ISO-8859-6,
  - \* ISO-8859-7,
  - \* ISO-8859-8,
  - \* ISO-8859-9,
  - \* ISO-8859-10,
  - \* ISO-2022-JP-1,
  - \* Shift\_JIS,
  - \* EUC-JP,
  - \* US-ASCII,
  - \* windows-949,
  - \* ISO-2022-KR,
  - \* windows-949,
  - \* ISO-2022-JP,
  - \* ISO-2022-JP-2,
  - \* GBK,
  - \* ISO-8859-6,
  - \* ISO-8859-6,
  - \* ISO-8859-8,
  - \* ISO-8859-8,
  - \* ISO-2022-CN,
  - \* ISO-2022-CN-EXT,
  - \* UTF-8,
  - \* ISO-8859-13,
  - \* ISO-8859-14,
  - \* ISO-8859-15,
  - \* GBK,
  - \* GB18030,
  - \* UTF-16,
  - \* UTF-32,
  - \* SCSU,
  - \* UTF-7,
  - \* UTF-16BE,
  - \* UTF-16LE,

- \* UTF-16,
- \* CESU-8,
- \* UTF-32,
- \* UTF-32BE,
- \* UTF-32LE,
- \* BOCU-1,
- \* hp-roman8,
- \* Adobe-Standard-Encoding,
- \* IBM850,
- \* IBM862,
- \* IBM-Thai,
- \* Shift\_JIS,
- \* GBK,
- \* Big5,
- \* macintosh,
- \* IBM037,
- \* IBM273,
- \* IBM277,
- \* IBM278,
- \* IBM280,
- \* IBM284,
- \* IBM285,
- \* IBM290,
- \* IBM297,
- \* IBM420,
- \* IBM424,
- \* IBM437,
- \* IBM500,
- \* cp851,
- \* IBM852,
- \* IBM855,
- \* IBM857,
- \* IBM860,
- \* IBM861,
- \* IBM863,
- \* IBM864,
- \* IBM865,
- \* IBM868,
- \* IBM869,
- \* IBM870,
- \* IBM871,
- \* IBM918,
- \* IBM1026,
- \* KOI8-R,
- \* HZ-GB-2312,
- \* IBM866,
- \* IBM775,
- \* KOI8-U,
- \* IBM00858,
- \* IBM01140,
- \* IBM01141,
- \* IBM01142,
- \* IBM01143,
- \* IBM01144,

- \* IBM01145,
- \* IBM01146,
- \* IBM01147,
- \* IBM01148,
- \* IBM01149,
- \* Big5-HKSCS,
- \* IBM1047,
- \* windows-1250,
- \* windows-1251,
- \* windows-1252,
- \* windows-1253,
- \* windows-1254,
- \* windows-1255,
- \* windows-1256,
- \* windows-1257,
- \* windows-1258,
- \* TIS-620,
- \* TSCII.

--csvSeparator <Separator character>

Specify csv separator character. Default value is ','. Valid characters:

- \* 'Tab',
- \* ',',
- \* 'Space',
- \* '.'.

--csvExportFM <Path to csv file>

Calling this command enable exporting final measurements. Specify path to csv file with final measurements. The path must contain path to directory and name of file. It can be absolute or relative. In case of relative path will be used current working directory to calc a destination path.

--tiledPageformat <Template number>

Number corresponding to tiled pdf page template (default = 0, **export mode with tiled pdf format**):

- \* A0 = 0,
- \* A1 = 1,
- \* A2 = 2,
- \* A3 = 3,
- \* A4 = 4,
- \* Letter = 5,
- \* Legal = 6,
- \* Tabloid = 7.

--tiledlmargin <The left margin>

Tiled page left margin in current units like 3.0 (**export mode**). If not set will be used default value 1 cm.

--tiledrmargin <The right margin>

Tiled page right margin in current units like 3.0 (**export mode**). If not set will be used default value 1 cm.

--tiledtmargin <The top margin>

Tiled page top margin in current units like 3.0 (**export mode**). If not set will be used value default value 1 cm.

--tiledbmargin <The bottom margin>

Tiled page bottom margin in current units like 3.0 (**export mode**). If not set will be used value default value 1 cm.

--tiledLandscape

Set tiled page orientation to landscape (**export mode**). Default value if not set portrait.

Arguments:

*filename* – a pattern file.

#### **AUTHOR**

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#### **SEE ALSO**

**tape(1)**