

## Large Format Printing (“lfp”) at SCC

All large format documents have to be send via *webPRINT* ([scc.kit.edu/webprint](http://scc.kit.edu/webprint)) to the [central large format printers](#) of *Print & Plot* at Campus North or South. Grammagages of 135 g/m<sup>2</sup> coated plain or 200 g/m<sup>2</sup> semi-gloss photo paper selected via the corresponding printer.

## Requirements

These printers are accessible to KIT-staff, KIT-“Gäste & Partner“ (associate partners) (account typ “ab1234“). Students (account typ “uabcd“) have access **at Campus South only**.

Reassignment of an account (e. g. change to another KIT-organization / change from assoc. partner to KIT-staff) might result in absence of the lfps in *webPRINT*’s device selection menu. To regain access, reset your **password** at [my.scc.kit.edu/english/](http://my.scc.kit.edu/english/) > “Activation“ and delete the old password in your browser’s password-manager (old pw. may be reused).

## Properties

The following specifications must be met:

- File format: PDF
- File size/upload volume: max. 500 MB
- Number of pages in PDF: 1
- Paper width (short edge): max. 890 mm

## Creation of Project

The PDF document must correspond to the desired print image size (*webPRINT* offers no layout options like “N-up“, “Booklet“, “Scaling“). Please consider the following:

- **Select correct paper size**  
Over-size (short edge max. width 890 mm!), A0, A1, A2. **A3** should be used only for borderless printout, otherwise the A3/A4 central printers are faster & cheaper.

Paper sizes <**A3** (297x420 mm) will be **discarded** after upload (“Fehler@Download“ (error@download)).

Informations concerning paper size of PDF documents are to be found in *Adobe Reader* in “File“ > “Properties“ > “**Description**“

Typical A-formats do have these dimensions:

- A0: 841 x 1189 mm
- A1: 594 x 841 mm
- A2: 420 x 594 mm
- A3: 297 x 420 mm

- **Layout** with respect to the printing area.
- **Multiple copies** (e. g. 16 copies of A1) may be accomplished as follows (tiles):

Set projekt in A1-format and duplicate the finished project/page as often as desired within the file (e.g. 16 copies = document with 16 pages).

When creating the final 1-page PDF for file upload (see also “Project Termination“) follow these steps:

In Print menu of PDF printer driver...

1. Paper size: Depending on page count (i. e. # of copies; here: width = 841 mm, length = multiple of 597 mm) set paper size as follows in...  
“Properties“ > ”Advanced...“ > “Paper/Output“ > “Paper size“ > “**PostScript Custom Page Size**“:

**Width = 841.00 mm**

**Lenght = n(597.00) mm (here: 4476.00 mm)**

**Paper Feed Direction: Short Edge First**

2. Determine number of copies and placement on sheet (N-up):

**Page Size & Handling:** Multiple Pages per Sheet: number of copies

*Annotation: As 4.5 m of paper length is pretty unhandy, the 16 copies mentioned in this example should be spread over 4 posters with 4 tiles/copies each (⇒ height = 1189.00 mm).*

*The original file should then have 4 pages, the 4-tile single-page PDF be uploaded with *webPRINT* option “Exemplare“ (copies) = “4“.*

## Project Termination & Printing

When creating the PDF, please note that...

- we strongly recommend to **not** create the PDF file with „Save as“ or „Export“ from the File menu of your application but via the Print menu **using a PDF printer driver** like *PDF24*, *PDFCreator* (Win) or *PDFwriter* (Mac):

☞ [scc.kit.edu/pp-tools](http://scc.kit.edu/pp-tools) > *PDF-Drucker*

For Linux, a PDF printer driver may be installed with Linux on-board tools:

1. in command line interface (CLI) type:  

```
sudo apt-get install cups-pdf
```
2. Open "System" > "Printing" and choose "New"
3. Choose "Generic CUPS-PDF printer", then "Forward"
4. Finish with "Apply"

- Do **always**\* embed fonts in PDF files by selecting the following option within the Print menu: "Properties" > "Advanced..." > "Graphic" > "TrueType-Font" > **"Download as Softfont"**

\* We recommend this setting in general  
 ☞ [scc.kit.edu/pp-faq](http://scc.kit.edu/pp-faq) > TrueType- und Sonderschriftarten

- All large format jobs are ripped with 1.440x720 dpi **resolution**. It's therefore useless to include objects with a significant higher resolution. Ripping futile large amounts of data absorbs a lot of process time, blocks operation and may lead to job abortion.

### Status / Printer Queue

Job status / printer queues are displayed online. As soon as a job is marked "fertig" (done) it may be picked up at *Print & Plot*

Campus South: Bldg. 20.21, BF, R. -151.1

- Lfp-Normalpaper: [scc.kit.edu/pp-normalcs](http://scc.kit.edu/pp-normalcs)
- Lfp-Photopaper: [scc.kit.edu/pp-fotocs](http://scc.kit.edu/pp-fotocs)

Campus North: Bldg. 441, GF, R. 168

- Lfp-Normalpaper: [scc.kit.edu/pp-normalcn](http://scc.kit.edu/pp-normalcn)
- Lfp-Photopaper: [scc.kit.edu/pp-fotocn](http://scc.kit.edu/pp-fotocn)

### Good to know...

- **Firefox**: Some add-ons cause problems uploading files > 500 kB. Workaround: Disable add-ons in "Firefox menu bar" > "Help" > **"Restart with add-ons disabled"**

- **Password** protected PDF files may only be printed through a workaround:

1. Convert PDF to PostScript file using the "Print" dialogue in *Adobe Reader*: > "Expanded..." > **"Print to file"**.  
 Rename file extension to **.ps** if needed.

2. Open new PS file in *Adobe Reader* and convert PS file back to a new PDF file with a PDF printer driver.

☞ [scc.kit.edu/pp-tools](http://scc.kit.edu/pp-tools) > *PDF-Drucker*

3. Upload new PDF with *webPRINT*.

- Posters will be rotated automatically to minimize paper consumption.

### Contact

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## 04.4 Large Format Printer (Printing Posters)



Steinbuch Centre for Computing