

## **Technical requirements for press data delivery**

Electronic connection:

FTP server of Svoboda Press

E-mail: [ctp@svoboda.cz](mailto:ctp@svoboda.cz)

### **1. Data Storage:**

Image data must be saved as CMYK and the EURO colour scale for offset printing colours must be used within the data processing. The EPS and TIFF formats must be closed in order to avoid the possibility of modification through ICC profiles. When using spot (Pantone) colours, it is necessary to notify the CTP studio (make marks in a model) about pages where these colours will be used as well as to specify which spot colours (if more than one colour is used) need to be exposed.

### **2. Model:**

To ensure unambiguous layout of the delivered pages in the CTP studio, it is useful to provide data together with a model. The unambiguousness of the page layout will facilitate potential insertion of advertising pages. If the delivered files with advertisement data have unclear names, which differ from the filename structure of other editorial pages, it is useful to enter the filename directly into the model. The model can be black-and-white with various sizes.

To check the page layout on the sheet, a digital printout up to the A0 format can be made out using the IRIS62WIDE plotter.

## **POSTSCRIPT FILE SETTINGS – PROCESSING CHARACTERISTICS**

PostScript files must be prepared as composite (separations switched off), not rotated (the exposure unit is set up for the offset standard), portrait, and with register marks. Files prepared in this way can be processed without any deviations. When using a composite file, the PostScript rip separates individual colours according to the following predefined settings:

RIP settings: All colours in CMYK – all spot colours are separated into process colours. If the black overprint is activated, the black colour will be printed over other variegated colours (RGB conversion to CMYK, not CMY).

The black production boundary is 30 %.

CTP exposure unit settings: The exposure unit is set for the offset "rotation" by default. Individual colours – C = 112.5; M = 7.5; Y = 97.5; B = -37.5. Resolution of 2400 dpi. Point shape – Composed.

Spot colours: Our PS RIPs allow for the separating of spot colours also from composite files. Typographic programs store all the colours you define in the PostScript. Therefore, you have to mark which colours you want to have separated as spot colours. Besides, you have to indicate whether you want these spot colours to be overprinted or not.

Register information – trapping: The QuarkXpress program allows for the setting of register information for individual colours. Use these settings only if you make separations from Quark.

Pictures: If you use pictures in the TIFF format, the printing raster must be set when printing. EPS pictures with the JPEG compression can be used in the document. However, there are many typographic programs (QuarkXpress, PageMaker, etc.) that cannot separate these EPS pictures. The printing is then composite.

If you have pictures available in the separated EPS form (DCS separation, for example from Photoshop, ColorStudio, etc.), you have to perform separated printing or resave these pictures. The picture resolution should range from 1.5 to 2.0 of the required printing raster, assuming that pictures are used in the document as 1:1. Higher resolutions are unnecessary.

Our RIPs support also the "Auto Picture Replacement". When your documents contain preview pictures, you must supply also original pictures in the full resolution (so called high-res pictures). Names of files used to create previews must not contain characters such as the space, slash, characters with diacritics, etc. The length of names must not exceed 10 characters.

Fonts: Fonts are a frequent problem when interpreting files. Check that you have PostScript faces available for all fonts in use and that these faces are included in the PS file.

Digital proofing: IRIS digital proof copies are printed only in CMYK process colours. All files for the digital proofing must be prepared in the composite form.

### Digital proofing formats:

	Format	Resolution
IRIS i PROOF	A3+	1200 x 600 dpi
IRIS 62 WIDE	max reel width 155 cm	360 dpi or 720 dpi
	Sheet 1300 x 1060 mm	720 dpi

### Data media:

Floppy disk: 1.44 MB

ZIP: 250 MB

JAZ: 2 GB

CD R: 800 MB

SCSI/IDE: hard drives upon agreement (connection options must be consulted)