Printing-Data-Manual

Minimum requirements on printing files for logomats emco Image and Smart

If you want to create the printing files yourself you need to consider the following details.
In case you have further questions please contact us.

File-formats

Bitmaps:
- PCX, Tiff, PSD, JPEG, PNG, GIF

The file should be reduced on one layer.

Please generate the file as follows:
- Resolution: 254 dpi
- Scale: 1:10

Thus results in 1 pixel = 1 millimeter
(For e.g. a mat in 2000 x 1000 px = 200 x 100 cm)

Not qualified formats:
Word, Powerpoint, Open Office and similar
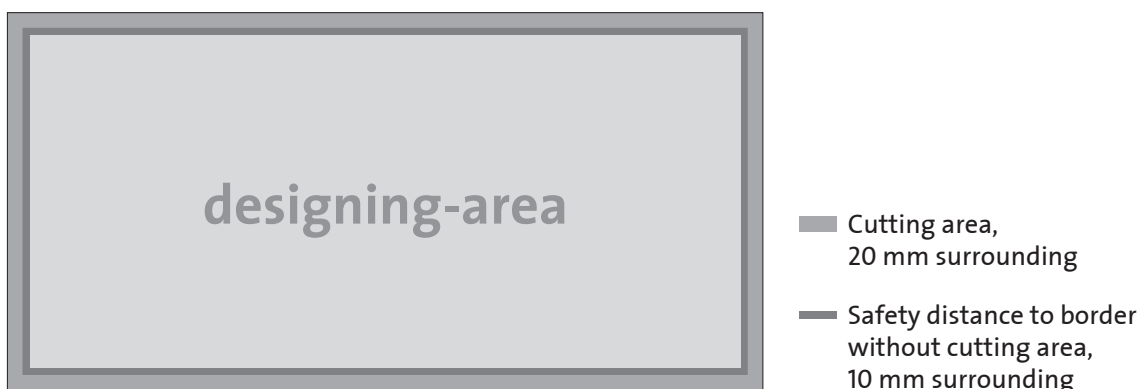
Vector-files:
- PDF, EPS, AI, CDR

Containing fonts please always send as vectors;
In case the file contains a shortcut please
send them over in original version together
with the vector-file.

Add-Ons and safety distance in the file

Place important objects such as logos, texts, etc. with a distance of min 30 mm surrounding from exterior border of the mat.
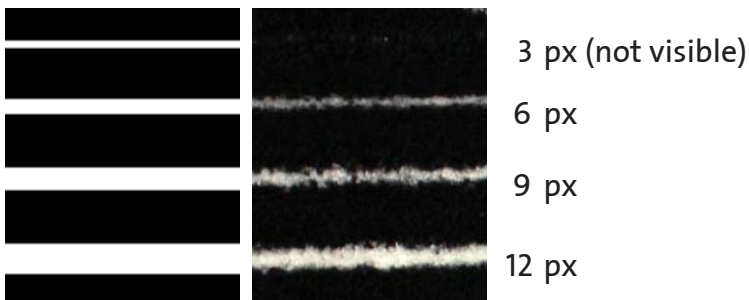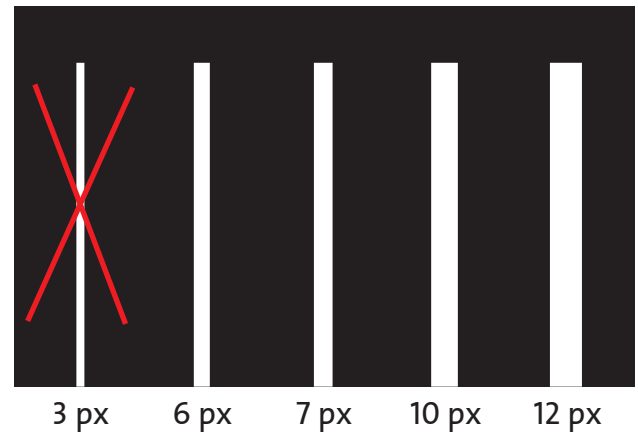

designing-area

▬ Cutting area,
20 mm surrounding

▬ Safety distance to border
without cutting area,
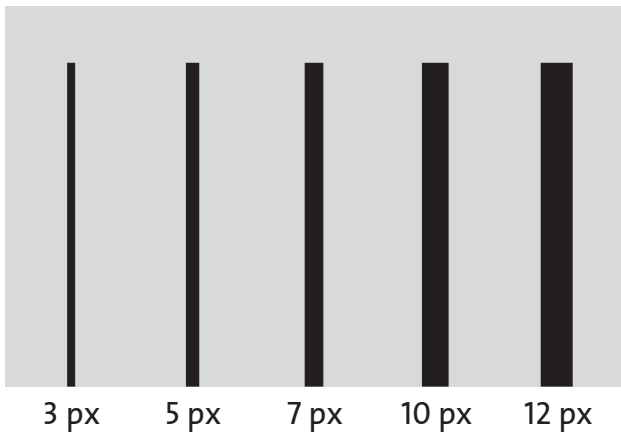10 mm surrounding

Example:

External dimension of mat incl. rubber edge:	200 x 100 cm
Final measures of mat without rubber edge:	196 x 96 cm
Free area for layout:	194 x 94 cm

Thickness of lines:

- Positive lines (dark lines on light background) should be at least 3 px
- Negative lines (light lines on dark background) should be at leats 6 px

| 3 px | 5 px | 7 px | 10 px | 12 px |

| 3 px | 6 px | 7 px | 10 px | 12 px |

3 px (not visible)

6 px

9 px

12 px

Thickness of lines 10 px
(dark colors eliminate lighter ones)

Negative line, approx. 5 px thick

Negative line, approx. 8 px thick

10 px thickness, clear appearance of text, thin serifs are not visible

Text on light and dark background
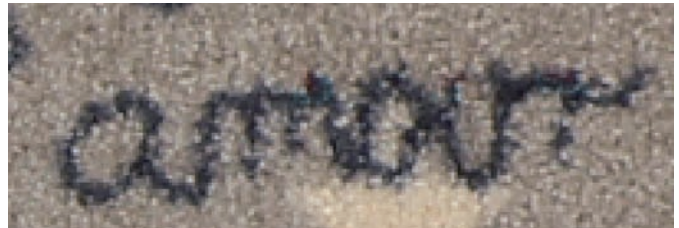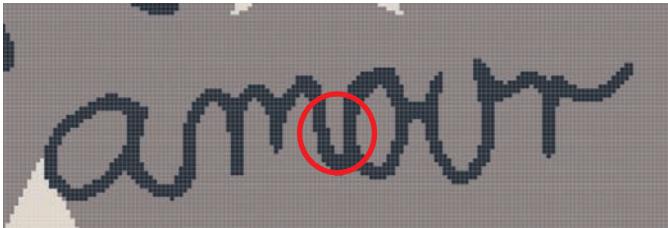In this case text must be adapted in particular areas:

Approx. 3-7 px in green area

Approx. 6-9 px in green area

ATTENTION!
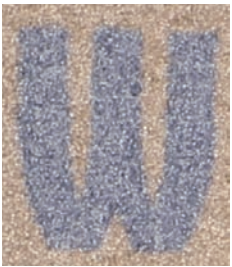**Please be aware to keep the safety distance also in areas between!**

Area between with 3 px is too little, text deviates!

In this case the text in marked area deviates since light areas with 2-3 px are too small!

Contrasts

If elements should clearly stand out from background, make sure that the differences of color-saturation and brightness of each color are significant. This is the only way to reach good contrats

„W" bad contrast

„E" good contrast

Bad contrast due to similar brightness values

Due to different color sytems and/or missing calibration the RGB-values given by us might differ from printed colors. So we recommend always to refer to our color ring/ sample box.

emco IMAGE

45 Farben - RGB- + Pantone-Richtwerte

sv - 17.12.2015

emco Group

10 R/G/B 249/225/30 P. 101 C	**20** R/G/B 253/200/47 P. 123 C	**30** R/G/B 255/121/0 P. 151 C	**40** R/G/B 255/88/0 P. 166 C	**50** R/G/B 227/155/108 P. 7412 C	**60** R/G/B 224/0/52 P. 200 C
70 R/G/B 123/41/39 P. 7594 C	**80** R/G/B 151/35/63 P. 1955 C	**90** R/G/B 245/63/91 P. 711 C	**100** R/G/B 222/56/49 P. 7626 C	**110** R/G/B 110/38/123 P. 7657 C	**120** R/G/B 102/57/183 P. 268 C
130 R/G/B 110/37/133 P. 7680 C	**140** R/G/B 209/0/116 P. 219 C	**150** R/G/B 255/193/156 P. 488 C	**160** R/G/B 0/57/166 P. 661 C	**170** R/G/B 106/173/228 P. 2170 C	**180** R/G/B 0/82/147 P. 2186 C
190 R/G/B 0/135/124 P. 3295 C	**200** R/G/B 11/34/101 P. 2766 C	**210** R/G/B 0/68/56 P. 2266 C	**220** R/G/B 127/213/197 P. 7472 C	**230** R/G/B 0/105/60 P. 349 C	**240** R/G/B 0/155/72 P. 2257 C
250 R/G/B 0/102/67 P. 342 C	**260** R/G/B 149/74/9 P. 731 C	**270** R/G/B 162/151/145 P. 423 C	**280** R/G/B 39/36/69 P. 5255 C	**290** R/G/B 0/115/207 P. 2382 C	**300** R/G/B 209/212/211 P. 427 C
310 R/G/B 112/61/41 P. 478 C	**320** R/G/B 211/169/133 P. 2311 C	**330** R/G/B 76/51/39 P. 7518 C	**340** R/G/B 229/203/177 P. 7604 C	**350** R/G/B 81/98/111 P. 7545 C	**360** R/G/B 195/200/200 P. 429 C
370 R/G/B 129/138/143 P. 430 C	**380** R/G/B 27/36/42 P. 431 C	**390** R/G/B 0/0/0	**400** R/G/B 255/255/255	**410** R/G/B 55/66/74 P. 432 C	**420** R/G/B 142/125/56 P. 7503 C
430 R/G/B 226/174/129 P. 720 C	**440** R/G/B 52/178/51 P. 362 C	**450** R/G/B 255/161/0 P. 2013 C			

emco SMART

RGB- + Pantone-Richtwerte

EMCO Group

EMCO

522 R/G/B 255/204/153 P. 156 C	**10** R/G/B 254/242/57 P. 395 C	**20** R/G/B 254/204/6 P. 123 C	**40** R/G/B 248/102/15 P. 1595 C
60 R/G/B 203/16/38 P. 200 C	**80** R/G/B 115/12/46 P. 1955 C	**140** R/G/B 214/36/134 P. 233 C	**130** R/G/B 98/51/133 P. 7678 C
757 R/G/B 177/207/232 P. 544 C	**570** R/G/B 122/223/234 P. 305 C	**290** R/G/B 19/131/209 P. 2172 C	**160** R/G/B 0/57/166 P. 286 C
200 R/G/B 19/40/105 P. 654 C	**540** R/G/B 199/237/165 P. 7486 C	**780** R/G/B 104/204/134 P. 2248 C	**190** R/G/B 0/107/96 P. 328 C
630 R/G/B 170/204/33 P. 382 C	**440** R/G/B 66/158/21 P. 362 C	**810** R/G/B 50/92/48 P. 357 C	**867** R/G/B 2/71/38 P. 7484 C
340 R/G/B 237/224/213 P. 2309 C	**320** R/G/B 202/172/156 P. 4735 C	**325** R/G/B 176/153/141 P. Warm Gray 5 C	**480** R/G/B 135/83/67 P. 7581C
310 R/G/B 115/63/47 P. 7595 C	**330** R/G/B 61/47/43 P. 412 C	**360** R/G/B 175/180/184 P. 7543 C	**370** R/G/B 112/119/128 P. 7544 C
410 R/G/B 79/86/96 P. 7545 C	**670** R/G/B 70/68/84 P. 2379 C	**390** R/G/B 0/0/0	**400** R/G/B 255/255/255