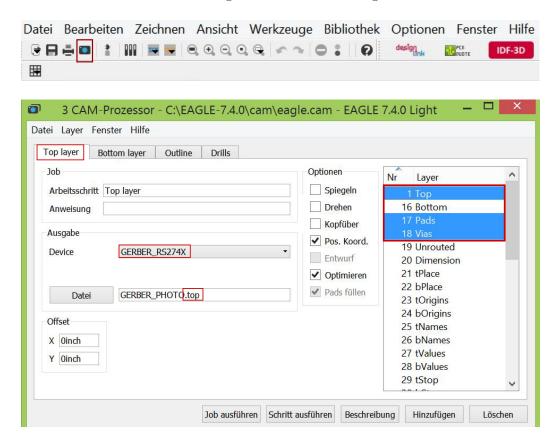
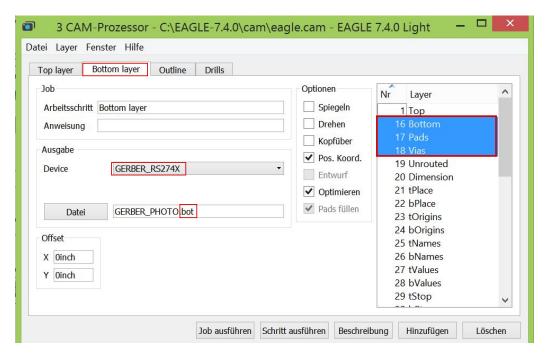
Step by Step Instruction

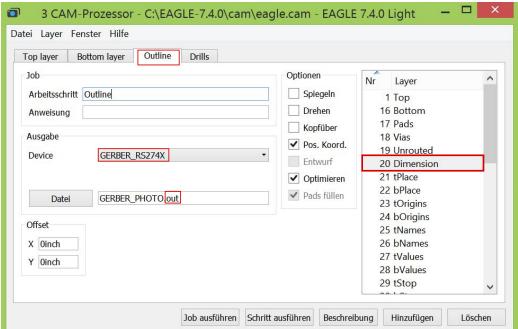
From Eagle file to Finished Board

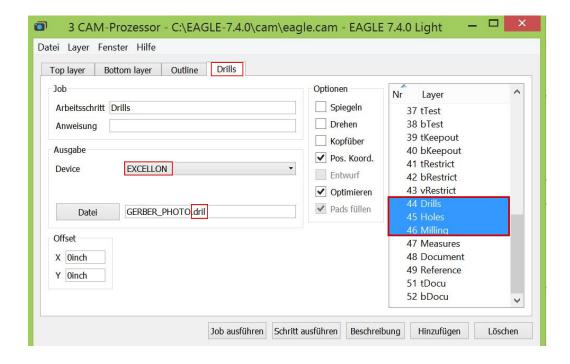
Export Eagle Files

You need four files which you can export in Eagle with the $Datei \rightarrow CAM$ Prozessor. The relevant settings are shown in the figures below.









Mill

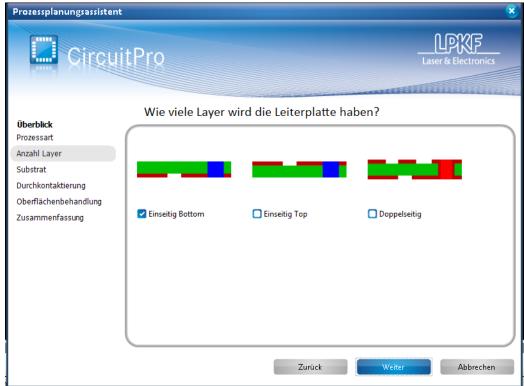
On the desktop of the provided PC is a link to the folder *Projektordner* where the files can be saved. Open the programme and choose any sample.

Step 1: Prozessplanungsassistent starten



Choose Leiterplatten bearbeiten then the type of your designed borad and the used material FR4/5.

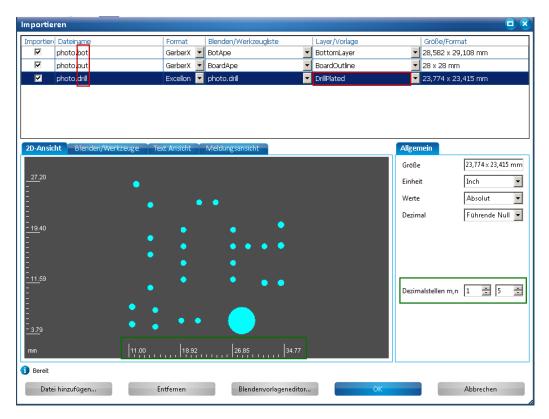


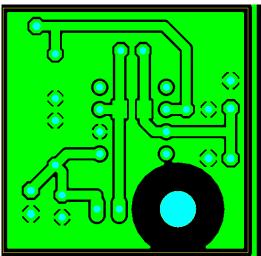




Step 2: Datei aus Fremdvormat importieren



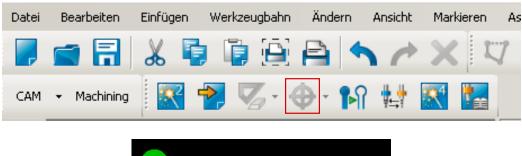


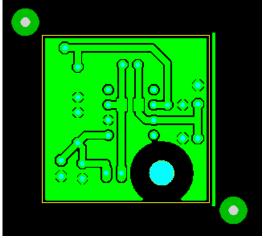


Now import the previous exported .top, .bot, .out and . drill files. Usually the .top, .bot, .out files are directly identified. However the .dril file is not, so that you have to choose *DrillPlated* in the *Layer/Vorlage* section. Sometimes the magnitude of the dimension is not correct. Therefore check the magnitude of your board and change the *Dezimalstellen* which is marked in green.

Step 3: Passermarken setzen

The Passermarken are orientation points for the double sided boards. Choose Passermarken setzen \rightarrow Fiduita and place marks beside the left lower and right upper corner of the board.

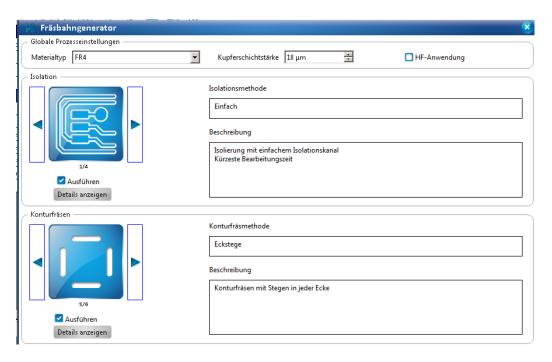


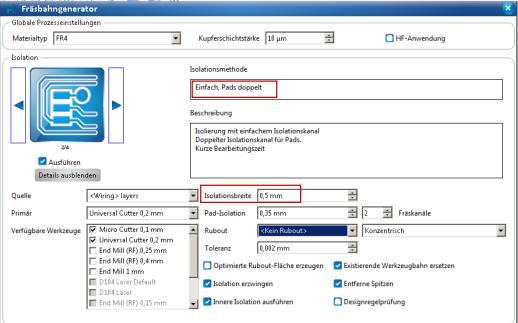


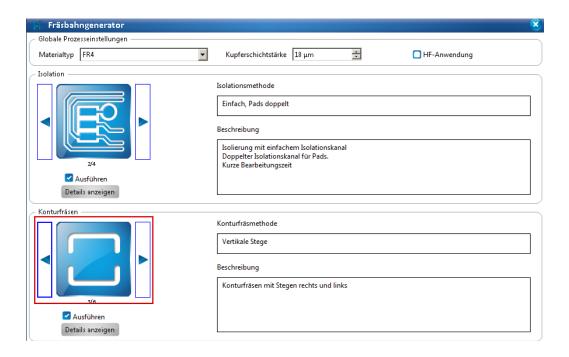
Step 4: Fräsbahngenerator



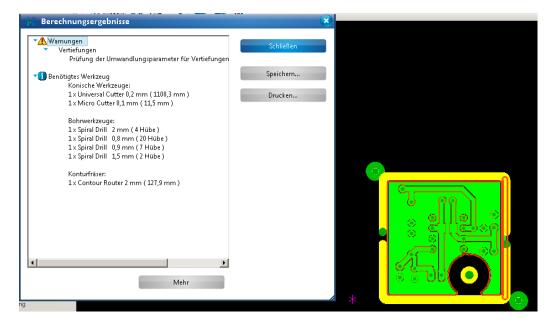
Here are a lot of settigs possible. The below shown settings are recommended.







Now you find a list of the needed and used tools. It can happen that you seem to need a tool which is not available. E.g. for holes with a diameter of 0.6 mm. If the size of the hole is not needed to be 0.6 mm but can also be 0.7 mm then choose manuelly the best tool to replace it with. If there is an error which seems to be important ask someone.



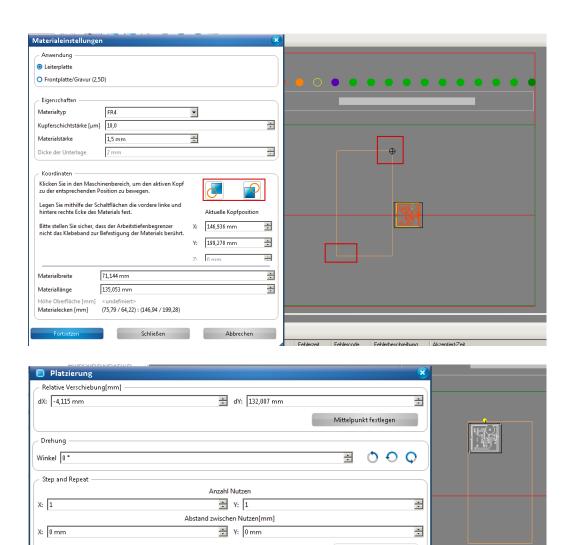
Step 5: Produktionsassistenten starten



Mount the board material with the provided tape.



Now move the milling head by clicking with your mouse on the grey screen to set the limits of the material. You set the limits by defining the lower left and upper right corner as before for the *Passermarken*. Afterwards mark the board and place it in the area. If you have a double sided board you have to turn the material upside down manually. Therefore follow the given instructions.



Step 5: Check the Result

An often occurred problem was that not all pads for SMD parts were separated properly. You might want to check especially small areas carefully before soldering.

Materialeinstellungen

Abbrechen