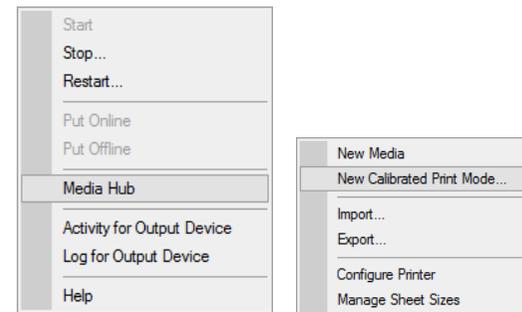


# Creating a CPM

A Calibrated Printing Mode (CPM) is a quality resource that is associated with the 3 major ingredients of a job: the printer that will be used to print it, the media on which it will be printed and the desired quality of the printed result. Asanti comes with default installed CPM's for "Generic" media, these are originally made on a bright self-adhesive media. They have a big color gamut which makes them very suitable as base CPM to elaborate further on for new CPMs. New CPM's can be created starting from an existing CPM (=base CPM ) using the CPM Wizard. **It's strongly advised to use the Generic CPMs as base.**

## 1. Start creation of new CPM

1. In the jobs overview, context click on the digital press. Open the Media Hub.



2. Select File > New Calibrated Print Mode.

3. Link the Parameters

- Select your Printer.
- Select the Media for which you want to make a CPM.
- Select the Quality e.g. High Definition.

4. By default only the Agfa certified CPMs will be displayed.

5. Enable "Support printing color on media" to support direct printing of color on the media substrate (without pre-white). Enable "Support printing color on white" if the CPM will also be used to print white prior to the other colors (pre-white). Only high quality CPMs support white printing. Click "Next" to proceed.

**Step 1: Choose CPM Parameters**

1: Create new CPM for:

Printer: Anapurna M2500  
Media: Coated Paper  
Quality: High Definition

2: Select existing CPM on which to base the new one:  Show Agfa certified CPMs only

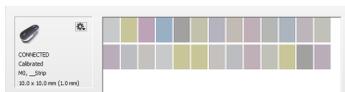
CPM	Media	On Media	On White	Creator
HighD - 8P Uni 720...	Generic	8P Uni 720x1440	8P Uni 720x1440	Agfa Certified

3: Set supported print modes for the new CPM:

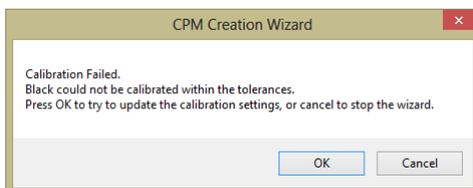
	Printing Mode	PST/Profile	TAC
<input checked="" type="checkbox"/> Support printing color on media	8P Uni 720x1440	HighD-8P Uni 720x1440-6C-Gen...	300.0
<input type="checkbox"/> Support printing color on white	8P Uni 720x1440	HighD-8P Uni 720x1440-6C-Gen...	
<input checked="" type="radio"/> Use generic calibration <input type="radio"/> Include dedicated calibration			
Printing white	8P Uni 720x1440	100% Ink limit:	85 %

4: CPM Name: HighD - 8P Uni 720x1440 - 6C  Automatic

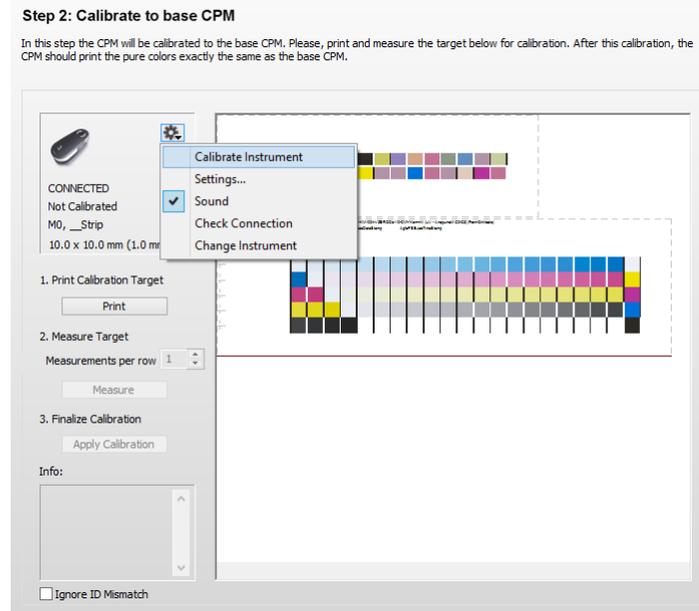
6. Select “Change Instrument” from the cogwheel when “NO INSTRUMENT SELECTED” is shown in the instrument pane, Select your measuring device e.g. EyeOne.
7. Select Calibrate Instrument from the cogwheel.
8. Click Print and Click OK in the “Print Target” dialog (don’t make changes). The wedge (ID strip and Calibration target) is automatically processed by Asanti and dispatched to the press.
9. Click “Measure” to start measuring the ID strip.



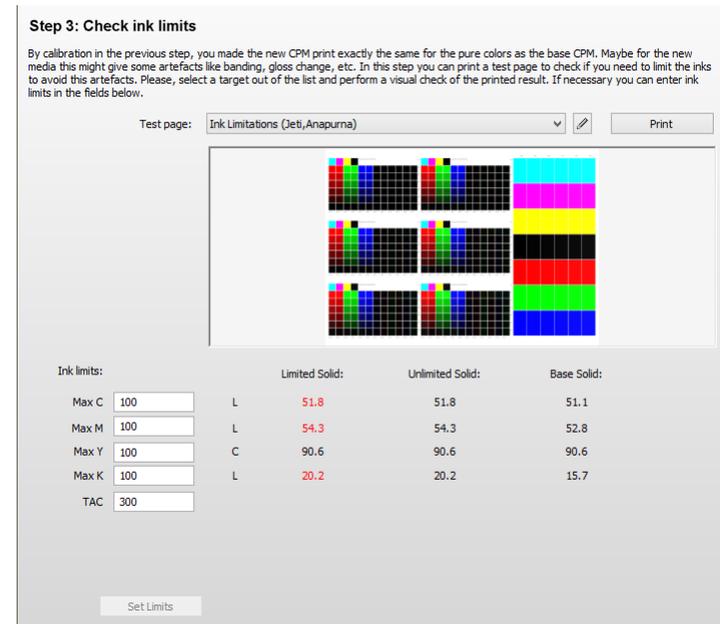
10. Afterwards measure the Calibration target. Each successfully measured row will receive a green state when completed (measure the row again when the red state stays visible).. Measurements can be reset, deleted or exported by context clicking on the wedges.  
It might happen that a warning is calibration failed is posted. This means that the reference values for calibration from the base CPM can’t be reached with the new media type. Click “OK” to replace the reference calibration values with the newly measured ones.



11. Click “Apply Calibration” to proceed and click “Next”.



12. Next step: setting the ink limits. A test page may be printed (by default Ink Limitations). This automatically generated test chart needs a visual check for unwanted effects such as all kinds of banding or vulnerability to scratches. Red indicates that the current media type can't reach the same values as the base CPM (the inks aren't as saturated as for the reference Generic media). This is a reference and not a bad thing. Proceed with the current limitations. Click "Next".



13. Select "Limited Target" and click Print. Do not make any changes in the Print Target dialog and click OK.
14. Click "Measure" to start measuring the ID strip. Afterwards measure the Profile target.
15. Click Create Profile when all rows have been successfully measured.
16. Click Finish to close the CPM Creation Wizard.
17. Your new CPM will now be shown in the Media Hub. The creator of the CPM will be "CPM Wizard". You may rename the CPM in the Media Hub.

