

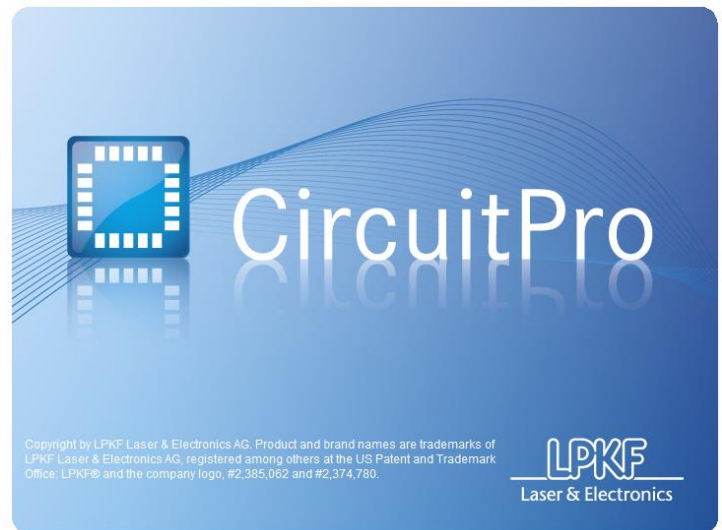
Notes for CircuitPro PM 2.30.546

Dear valuable customer,

Thank you for using CircuitPro ProtoMat software. To make our software better for you we update it regularly. Every update brings some new features, improvements and bug fixes.

The CircuitPro PM 2.30.546 version brings:

1. The TMC function (Tool holder Mounting Check) is switched OFF by default



About TPC/TMC

Tool Position Check (TPC) & Tool Mounting Check (TMC) are new features dedicated to Sx3 and D104 systems. The TMC function helps the system to recognize if the tool is loaded in the tool holder position before picking up the tool or the position in the tool holder is empty before it is laying down. The TPC function helps to recognize if the tool is correct loaded into the tool holder and it is not tilted. This feature should protect the system against tool crashes due to the problem with bad loaded tool by customer.

While the TPC feature is implemented to the new systems only (new hardware is required), the TMC function can be used also with the old systems on the field. TPC / TMC are manually switchable and exclude each other.

This CircuitPro version is released for the following machines ProtoMat E33 / E34 / E44 / S43 / S63 / S103 / D104 / H100 / X60.

The current CircuitPro version supports Windows XP SP3 (32 bit), Windows 7 (32 / 64 bit), Windows 8 (64 bit) and Windows 10 (64 bit), and the following languages: Chinese, English, French, Finish, German, Italian, Japanese, Swedish, Spanish, Portuguese, Russian, Slovenian, and Polish.

Your LPKF software team

History of corrections:

The correction version of CircuitPro PM 2.30.541 contains:

1. New TMC function (Tool holder Mounting Check)
2. New TPC function (Tool Position Check)
3. Improved auto focus function
4. Multiple other bugfixes

The correction version of CircuitPro PM 2.30.495 contains:

1. Improved camera field offset calibration
2. Improved D104 spiral search
3. Fixed camera offset and tool holder issues

The correction version of CircuitPro PM 2.30.460 contains:

1. A new camera algorithm for the IDS μ Eye XS camera setup
2. A message with recommendation to Teach the tool holder after first installation of the machine is added.
3. Improved error messaging after Step Loss Check error.

4. Some other bug fixing

The correction version of CircuitPro PM 2.30.427 contains:

1. A new dialog box to select an adequate camera type for ProtoMat S63/S103 and D104
2. Support for a new IDS μ Eye XS camera type
3. Storing the selected camera and lens type to the machine
4. New multilayer templates for ProtoMat E44
5. Some other bug fixing

The correction version of CircuitPro PM 2.30.355 contains:

1. Improved sharing of the machine settings between the system and software
2. New fiducial reading algorithm in correlation with the camera field offset calibration
3. Bug fix: the minimum step at X/Y positioning is 0.04 mils (0.001 mm)

The correction version of CircuitPro PM 2.30.348 contains:

1. Resolving the machine connection problem (in particular for D104)
2. Other small bug fixing

The correction version of CircuitPro PM 2.30.343 contains:

1. Windows 10 support
Attention!
Please note that CircuitPro PM 2.3 requires a *.NET Framework 3.5* for Windows 10 installed.
The installation procedure is described in the *TechNote Installation .NET Framework 3.5* document available on the LPKF support center website.
2. Working-depth limiter wear out information for Sx3 machines
After a specific time, the software warns you that the working-depth limiter must be checked for wear out. The pictures attached show the used and the unused working-depth limiter, as well as the maximum value of the wear out allowed.
3. Improved function of the manual fiducial alignment
The dialog *Fiducials* remains opened when pressing the "Enter" key.
4. Improved template *4Layer_Galvanic THP_MultiPressS*
 - After each mount material phase, *Material Settings* dialog and *Placement* dialog appear
 - After each flip material phase, only the *Placement* dialog appears
5. The default value for the free drive move changed from 1.5 mm to 2.2 mm
6. Some data preparation functions improved
7. Other bug fixing