

End the Software Chaos!

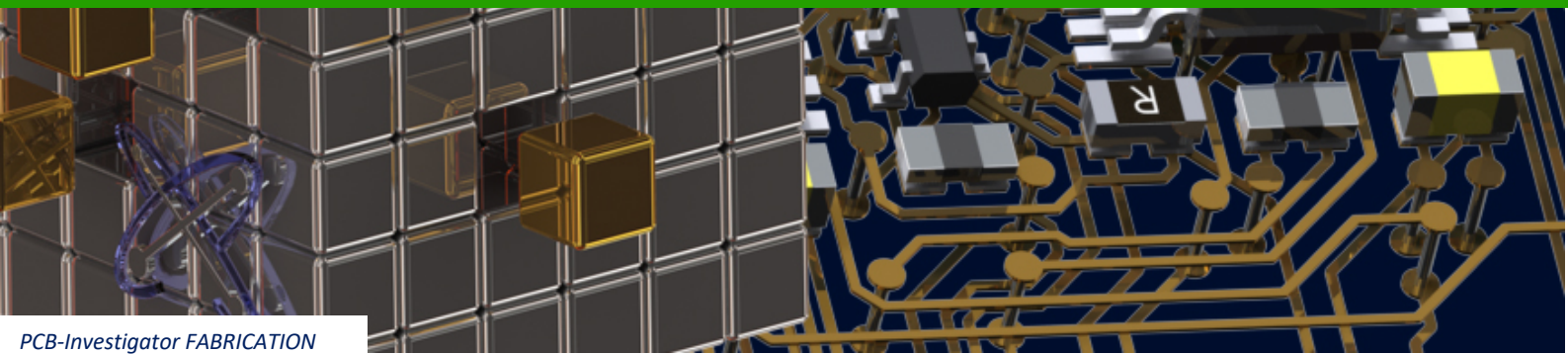
PCB-Investigator PRODUCTION CONTROL

- ➔ You are looking for a tool that supports you in guiding and monitoring the production for bare boards and assembly?
- ➔ You want to directly access machines without the need to familiarize yourself with another complex software?
- ➔ You want to reduce production costs by using only one single software and at the same time advance automation?

Then...

The edition PRODUCTION CONTROL is exactly the right choice for your individual requirements. This newly released version offers all the tools you need for working in the production or assembly of printed circuit boards. It includes the full functionality of the FABRICATION software package, which was made especially to support production. Additionally, we offer you the possibility to directly control machines from the major manufacturers such as Viscom, Parmi, Excellon, Kurtz Ersa, Göpel or Posalux. If you choose PRODUCTION CONTROL, all of this is available for you with only one software, making this edition especially appreciated for its process simplifying aspect and the possibilities of automation.

Stop the software chaos, PRODUCTION CONTROL is all you need for your daily work in production!



At your job in production...

you are responsible for the foresighted planning and supervision of complex production processes in areas such as electrical or mechanical engineering. As an EMS provider, you offer a wide range of services, starting with SMD and THT assembly, automatic optical inspection (AOI), the production of prototypes, up to the complete assembly of components. In production, you are working with machines or smart systems for electronics manufacturing, e.g. to realize inspection solutions such as detailed AOI 3D-Ray analysis or for soldering components. You are constantly challenged to ensure that production is supplied on time and thus you must always keep an eye on the maximum capacities of your production. Definition and optimization of production processes is of utmost importance to meet deadlines and satisfy the requirements of your customers always expecting the highest possible quality. However, quality is not the only factor that plays a decisive role. After all, continuous optimization efforts are indispensable in order to meet the ever-changing demands of your customers and the ever-present time pressure. Your company is in constant competition with other manufacturing service providers or PCB suppliers. Thus, it's your task to keep on searching for possibilities to further develop the processes to maintain or at best increase the level of orders. Manufacturing cost-conscious products is thereby an essential prerequisite you always have to focus on!

But how to manage all this?

PRODUCTION CONTROL was specially designed for electronics manufacturing providing all the functionalities that are included in the edition FABRICATION. Yet, you really want to control all areas of production with just one software package? PRODUCTION CONTROL edition offers just that: You can additionally access machines directly through various machine export formats and thus maintain a permanent overview. Because: Our aim is to make your work easier! The times when learning the handling of several software programs was compulsory to keep the production running and to feed the machines with data are over. In order to offer you the best possible added value, we have already included a large number of machine formats from well-known manufacturers in our

portfolio to help you to automate and facilitate processes to achieve your goals more quickly.

Without detours

With this particular edition, you can directly control machines from manufacturers such as Posalux, Göpel, Parmi, Kurtz Ersä, Viacom and Excellon. PRODUCTION CONTROL therefore enables you to take the direct approach. Simply output your analyzed PCB designs and feed them into the machines - no extra steps or additional software are required. This saves you a lot of work, which in the end saves you money again. This in turn will surely convince the management team when it comes to releasing budgets.

Secure efficient production

With PRODUCTION CONTROL, however, you are also able to consider important and particularly manufacturing related aspects and thus check your design with regard to its 100% producibility. As an excellent viewing tool, it highlights essential information for the task at hand and highlights hot spots, for example, to avoid errors and rejects. Another advantage of this version of PCB-Investigator lies in the DFM (Design for Manufacturing) area, making PCB-Investigator the ideal companion for supporting or even taking over workflows in your PCB production. Expensive and time-consuming new redesigns are rendered obsolete. When it comes to creating utility, which is an indispensable step for prototype or series production, our specially developed plugin can be used to automate your processes. The nesting algorithm always finds the best possible or most efficient solution for you!

A multitude of benefits

A precise production control with the help of PCB-Investigator offers you several advantages. For example, the organisation of product delivery can be better monitored - with regular and above all timely deliveries being a must. PRODUCTION CONTROL's numerous analysis tools enable you to check your design in detail at an early stage, giving you the potential to keep error rates

low or to detect errors in advance. Such specialised analysis tools, which have a particular focus on the production of electronics, include among others DRC and DFM analysis, Hazard Analysis or AOI Analysis.

Improve the efficiency of your production and thereby reduce your production costs! PRODUCTION CONTROL offers just this with its comprehensive feature package, which was primarily designed to simplify and automate processes. This allows you to quickly check the manufacturability of your designs in advance by just a few mouse clicks, making expensive prototypes obsolete. All this has been combined in one single software - the cumbersome learning of several different software programs for partial aspects is a thing of the past! The ease of use is one of the main features of our software products and the special added value of PCB-Investigator. This brings us to another advantage: production processes run smoothly. The fact that you can handle all processes with just one software makes cooperation within a department and also cross-departmental work seamlessly possible. Expensive and time-consuming misunderstandings can be prevented in time and allow an efficient process flow.

Bringing all employees on a common denominator

In addition, we have integrated features into the PRODUCTION CONTROL version to facilitate cooperation even further. These include, for example, the possibility of rapid change tracking or a simplification of collaboration on the same project. Guarantee at all times that everyone involved is constantly up to date with the latest developments! Bring your team up to speed quickly and easily, without additional costs or the need to purchase further licenses! Along with this comes an efficient use of your resources, a scarce commodity is usually time and money! However, the quality of your delivered products should never suffer from this! Production Control also assists you in this matter in order not only to deliver the best possible end result for your customers, but also to ensure that your products are of the highest quality.

If you choose the edition PRODUCTION CONTROL of PCB-Investigator...

we will equip you with a specialized software package to be ideally prepared for the manufacturing of your PCB designs. This version therefore contains all functionalities of FABRICATION. Find possible sources of malfunction to keep error rates as low as possible! Yet, using PRODUCTION CONTROL, you are not only provided with the tool for monitoring and preparing the production of electronic products. Its special distinguishing feature compared to the PRODUCTION version is the possibility to control machines directly by simply exporting machine formats.

The PRODUCTION CONTROL version contains among others the following functions:

- Machine Export
- Panel Builder including Nesting algorithm
- Stencil Analysis
- Bare Board Analysis (DRC)
- Tombstone and Component Analysis
- Test point report
- Component editing functions
- Automation interface and script engine
- Additional import/export formats (e.g. GenCad, IDF, IPC2581)
- Design compare

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About PCB-Investigator

CAD/CAM –Software for Electronics

The best system available to investigate all information of Printed Circuit Boards!

PCB-Investigator can be delivered in six versions. Each is designed for a specific area of application and contains particular plugins to ideally meet the requirements of the respective field of application.

- **BASIC** version including the main features for visualization and measurement
- **ULTIMATE** version with access to all plugins for mostly single users
- **FABRICATION** version to support your production process
- **PRODUCTION CONTROL** version for the export of machine formats
- **ELECTRONIC DEVELOPER** version to ensure the best possible functionality of your PCB
- **PHYSICS** version for thermal management

To test PCB-Investigator in detail, simply download the full version and work with it for a full 30 days, free of charge and without any obligations.

With PCB-Investigator, anyone can find the right edition for their requirements. More information about the editions and demo version can be found at www.pcb-investigator.com.