

kinmatec  
einfach automatisieren.

# Kinmatec. Simply experience.

Kinmatec GmbH specialises in the development of automation software for use in plants and test benches. We have invested our entire experience as computer experts and mechanical engineers into the development of our automation software, *KinRig*.



# We make KinRig better each day.

Our team consisting of engineers, software specialists and technicians is aware of your daily challenges and creates economically sensible solutions in order to master them. Each day, ten employees work meticulously in order to make KinRig even better for you. We encapsulate

the advantages from relevant software environments, supplement the functions in a meaningful manner and present you with the result on an easy-to-operate user interface. As a subsidiary of Klotz GmbH, the mechanical engineering company, we know what is needed in everyday practice.



*"Our experienced mechanical engineers, test bench and machine operators have created a platform that is easy to operate. With KinRig 3, employees are able to concentrate on working with the machine. Commissioning will become easier and faster thanks to our modular framework."*

*Peter Klotz, Kinmatec GmbH Managing Director*




*"KinRig is not only a piece of software. KinRig is a framework that masters challenging tasks in the field of automation and offers real-time C++ based control. Anybody who sees our simple user interface will immediately recognise the advantages of KinRig."*

*Reinhard Seefried, Head of Software Development, Kinmatec GmbH*



# More than 30 years of experience.

For over 30 years, our motivated team in Kötz has been developing software solutions for machines and plants. Kinmatec believes that it is very important for the interaction between human and machine to work well. We are inventing the interfaces of the future on the way to a networked factory (Industry 4.0).

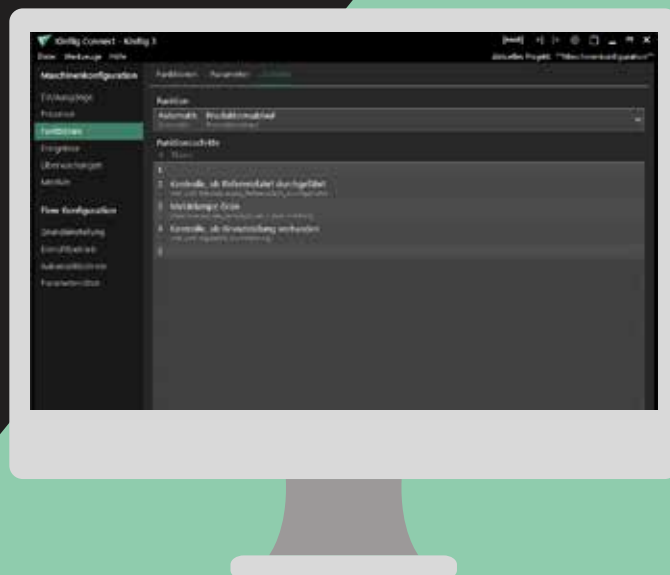
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- 1984 Software solutions for plants and test benches
  - 2000 Software architecture for all Klotz plants
  - 2003 Outsourcing of the software architecture core competence
  - 2004 Development of the KinRig software
  - 2010 KinRig version 2.4 becomes available
  - 2015 Introduction of KinRig 3.0 for quick commissioning (efficient automation)

# KinRig 3

Automation software for use in machines,  
plants and test benches.

**KinRig. Simple is more.**

KinRig is a software platform with which you can program and automate almost any machine quickly and uniformly. Without any special programming knowledge whatsoever and able to run on common PCs. This saves time as well as money and also shortens delivery times.



# KinRig. Simply automate.

Doing the things that you want to do should be done as quickly as possible. Without any complex programming stages, without any unnecessary loss of time, without hidden error sources and largely standardised. With KinRig, you are able to quickly, precisely and safely program machines via ready-made elements and functions. The flexible and modular KinRig framework allows you to develop your own new elements. Create your own standards with KinRig and, in

doing so, benefit from our experience in the commissioning of machines and plants.

See for yourself why KinRig is already being used in more than 30 companies. Further insights are available via the video tutorials on our website:



*Scan QR code.*



# KinRig 3 Professional

**KinRig 3**  
Professional







## 01

### **Simply automate.**

Automate your machines and plants using KinRig and avoid unnecessary programming effort. Use your time to operate your machines - we have the solution for this. KinRig significantly improves the performance of your plants.



## 02

### **Simple is quicker.**

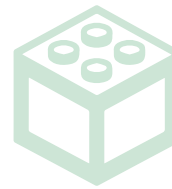
KinRig reduces the time needed to commission your machines and plants by 50 % and beyond. You are able to program quicker and, by using KinRig, you save valuable time during commissioning compared to programming using high-level language.



## 03

### **Simple to use.**

You can automate machines, plants and test benches in a short space of time with KinRig. Use KinRig to convert your PC into a real-time control unit and benefit from our interfaces with common standard software.



## 04

### **Simply standard.**

You can reach the next stage of automation with KinRig 3. Construct your own standards within the framework and make use of the opportunity to create your own functions and libraries. Completely in accordance with your needs.

# KinRig 3. Ideas for the future.

## A playing field without boundaries – based upon standards.

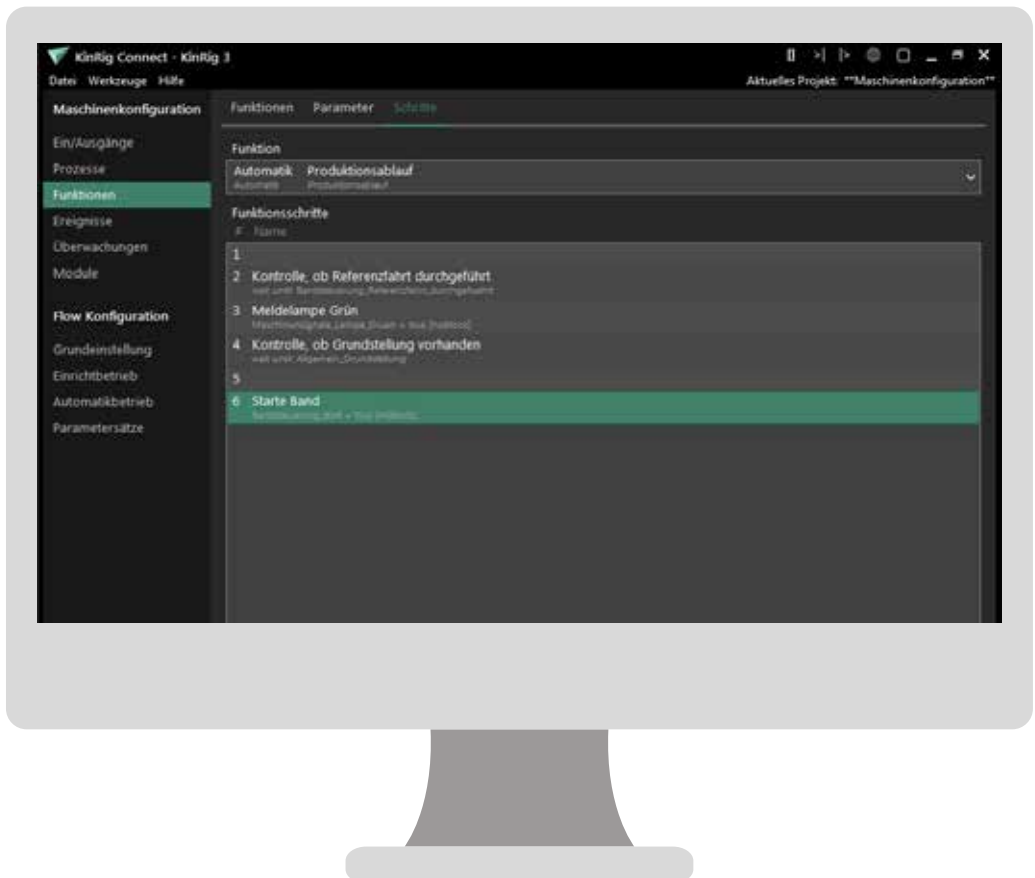
KinRig is compatible with all common PCs and can be set-up on all conventional software environments. The modular structure and the ability to operate without any special programming knowledge are the keys to the quick utilisation in your company. In addition to standard functions, KinRig offers intelligent solutions with which you can make your daily processes more efficient.

- + Division of the machine into meaningful components
- + Testing of individual components
- + Partial commissioning via simple comments
- + Simulation without target system
- + Parallel sequences in an almost unlimited quantity
- + Sequences with different, pre-defined time response
- + Outsourcing of recurring functions into function groups or modules (script language)
- + Expansion of the function libraries with Microsoft® Visual Studio®

## KinRig 3. Simply integrated.

KinRig is an open and expandable piece of software with numerous interfaces to programs and real-time systems such as:

- + Microsoft® Excel®
- + National Instruments® DIAdem®
- + Microsoft® Windows® CE®
- + Beckhoff® TwinCAT® 3.1
- + Siemens® WinAC®



KinRig significantly shortens the commissioning of your machines and plants. You are able to program quicker and, by using KinRig, you save valuable time of up to 50 % and beyond during commissioning compared to programming using high-level language and conventional PLC systems.

Even after only a brief training, you will be able to independently program complex machines with KinRig. Use your time to operate your machines - we have the solution for this.



**KinRig.  
Simply  
unlike  
any other  
product.**







# KinRig.










## Simply benefit.

- ⊕ Fast and simple commissioning without the need for high-level language knowledge
- ⊕ Improved performance thanks to efficient automation of machines, plants and test benches
- ⊕ Reduction in programming effort for individual machines and plants
- ⊕ The programming environment is a standard PC with Windows operating system
- ⊕ Creation of real-time procedures without knowledge of the real-time operating systems
- ⊕ The result is a more structured, more legible and more serviceable program code
- ⊕ Structuring of your own standards within the framework
- ⊕ Multi-language user interfaces without additional programming effort




## BASIC

## PRO


-  Limited number of inputs/outputs
-  Limited number of variables
-  Limited number of function steps
-  Import of modules
-  Option to create your own scripts
-  Support hotline

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-  Unlimited number of variables
-  Unlimited number of function steps
-  Import of modules
-  Option to create your own scripts
-  Support hotline
-  Incorporation of external/in-house DLLs (real-time DLLs)
-  Integration of IEC 6-1131-3 (PLC interface)
-  Extended support

Supported real-time systems:

-  Microsoft® Windows® CE®
-  Beckhoff® TwinCAT® 3.1
-  Siemens® WinAC®

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