



RHYTHM FOR YOUR STARS



The test automation tool
for control software

MODEL-BASED TEST AUTOMATION WITH DIGITAL TWINS

Thanks to digital twins, machines and plants can be virtually commissioned long before their real completion. In order to achieve high reliability and robustness, the control software's behaviour needs to be carefully tested in normal operation modes and in a much larger amount of irregular operation modes.

Due to the ongoing production digitalization, both extent and complexity of control software keep growing. The resulting ever-growing effort for the sofar manually effected tests is no longer economically justifiable.

ISG-dirigent, the first commercially available tool for the automated testing of control software is ready to effect test processes in an autonomous and reproducible way - 24/7. The basic tool expecco of exsept Software AG has been on the market in different fields for quite some time and thus offers a reliable basis for the module library.

Some highlights:

- /// Vast collection of module libraries for often used control systems that can easily be complemented or expanded.
- /// Given the test modules' intuitive graphic modelling, the initial training is easy and does not require any special programming knowledge: From the very beginning, users are able to concentrate on the creation of the test processes and their respective test modules.
- /// Test modules can be used in different development phases and represent the modularity of machines and plants.



Your benefit:

- /// Precise error diagnosis and (certifiable) documentation thanks to reproducible test execution including detailed result protocols.
- /// Test processes that need frequent repetition can be effected 24/7 - even outside normal working hours
- /// Growth in control software reliability and robustness and thus improved machine and plant quality
- /// Time and cost savings with growing extent and complexity of control software

Do you have questions or special requirements?
Do not hesitate to contact us!

Dr.-Ing. Gerhard Krebsler
Division manager ISG-dirigent
+49 711 22992-14
gerhard.krebsler@isg-stuttgart.de



ISG Industrielle Steuerungstechnik GmbH
STEP, Gropiusplatz 10
D-70563 Stuttgart
T: +49 711 22992 30
F: +49 711 22992 25



www.isg-stuttgart.de