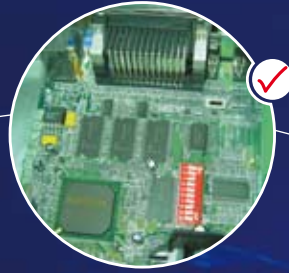


# Verifysoft TECHNOLOGY



## Software Testing Solutions for Productivity & Quality

- automatic test generators
- static code analysis
- complexity measures
- code coverage



# Conformiq

Available for Windows and Linux.

## Conformiq Test Generator &

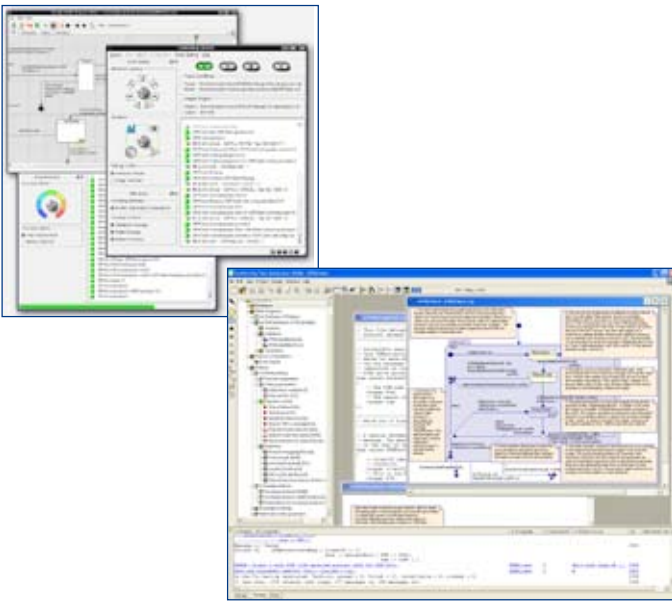
Automatic model based test generation and execution

## Conformiq Qtronic

Automatic test generation and execution based on your design models



Conformiq Test Generator and Conformiq Qtronic are robust and scalable solutions for model based test automation. Conformiq Test Generator allows graphical, UML-based test design and test execution. Conformiq Qtronic automates test generation and execution, based on your software design models. Both tools enable automated, thorough and cost-effective testing of complex systems.



## Features

- Automatic test generation from design models / graphical test models
- Can be connected to virtually any system
- Full support for time, data and concurrency
- Model analysis and validation
- Reporting in XML and HTML
- Optional integration with test management tools
- UML statechart editing
- UML model import from leading tools (Qtronic)

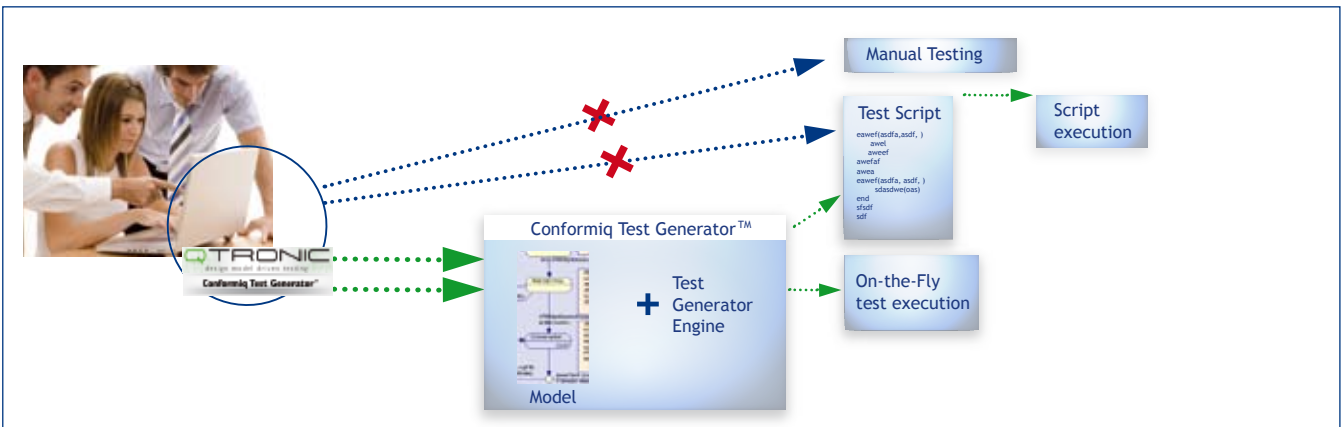
## Application Areas

- Functional, System and Acceptance Testing
- Regression Testing (automatic testing of daily builds)
- Integration Testing (simulation of parts of a system)
- Interface Testing
- Protocol / Platform Testing



## Benefits

- Automatic testing based on models saves effort
- Model validation speeds up development
- Generates a multitude of distinct test cases
- Generated tests find defects quickly
- Thorough reports provide all required information





# Testwell

All Testwell tools are available for Windows, Linux, Solaris and HP-UX.

## Testwell CTC++ Test Coverage Analyzer for C/C++ CTC++ for Java and C# add-on

Code Coverage for all coverage levels - programming languages: C, C++, C# and Java

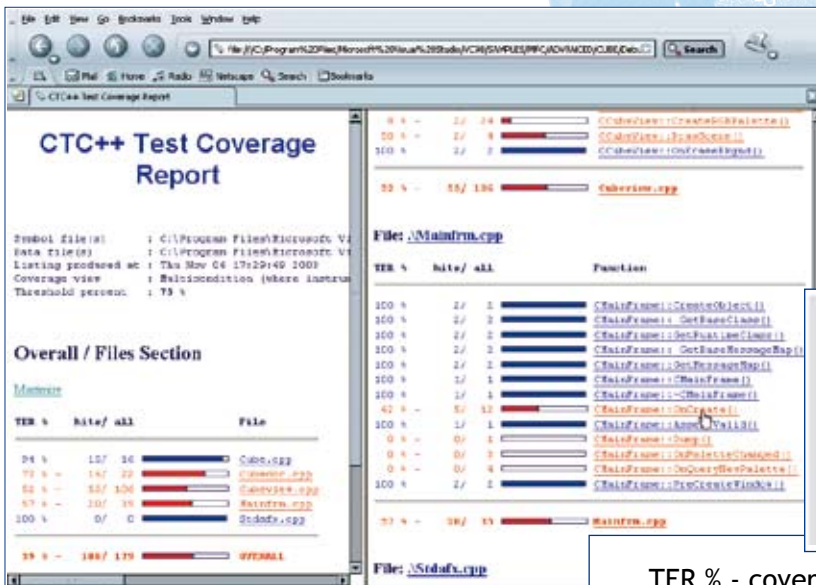


Testwell CTC++ is a powerful and easy to use Code / Test Coverage Tool which shows the parts of the code which have been executed (tested). The tool analyses for all coverage levels as required in "critical" projects, and helps to obtain certifications, i.e. DO178-B.

CTC++ for Java and C# add-on is a product which extends the usage of CTC++ to Java and C#.

### Code Coverage for all coverage levels

- Function Coverage - can be used for all - even smallest - embedded targets
- Decision Coverage - works with almost any compiler
- Condition / Branch Coverage - very low overhead on the size and execution speed
- Multicondition Coverage - intuitive and easy to use
- Modified Condition / Decision Coverage (MC/DC) - integration with many IDEs
- Outputs in text and HTML (Execution Profil, Untested Code, various Coverage Level reports, Coverage Summary, Execution Time)



```
9 0 4 int is_prime(unsigned val)
5 {
6     unsigned divisor;
2 7 8     if (val == 1 || val == 2 || val == 3)
1 8 8     return 1;
0 8 8     for (divisor = 2; divisor <= val / 2; divisor++)
1 7 8     if (val % divisor == 0)
2 9         return 0;
5 2 10    return 1;
5 2 11    for (divisor = 3; divisor <= val / 2; divisor += 2)
58 2 12    if (val % divisor == 0)
0 58 13        return 0;
0 13 13    return 1;
0 13 13 }
```

TER % - covered/all	File
100 % 6/6	prime.c
80 % 4/5	io.c
82 % 14/17	calc.c
86 % 24/28	overall

Number of monitored source files : 3  
Number of source lines : 59  
Number of measurement points : 30  
TER : 86 % (multicondition)

# Testwell

All Testwell tools are available for Windows, Linux, Solaris and HP-UX.

## Testwell CMT++ and CMTJava

Code Complexity Measurement Tools for C/C++ and Java



Testwell CMT++ and CMTJava are easy to use tools for checking the code complexity of C/C++ and Java projects. Testwell Code Complexity Measurement tools analyse even large code bases in a few minutes.

- Code complexity correlates with the defect rate and robustness of the application
- Complex code is difficult to test  
-> more errors in the final application
- Complex code is difficult to maintain

### Quick and easy code complexity checks with CMT++/ CMTJava

- Lines of Code Metrics
- Halstead Metrics
- McCabe Cyclomatic Number
- Maintainability Index



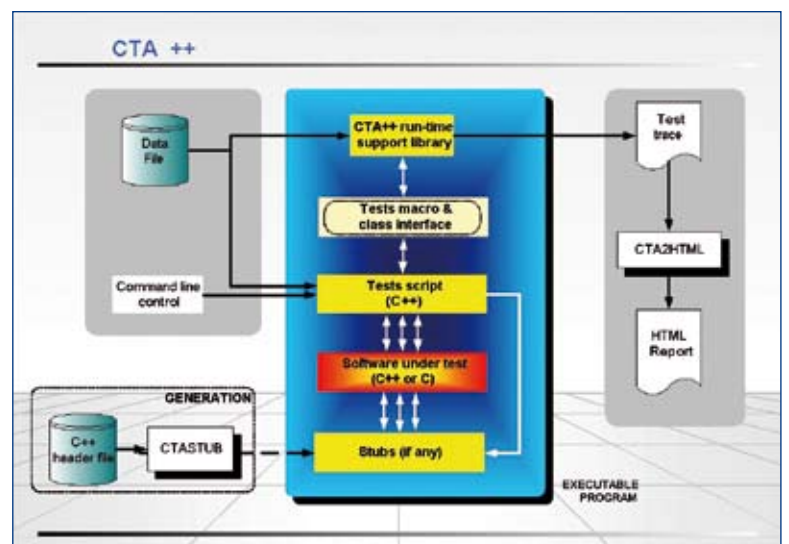
## Testwell CTA++

C++ Test Aider



Testwell CTA++ is a Unit Test Tool for White Box Testing of C++ code. The tool allows for testing of individual software components in a "stand alone environment" immediately after coding.

- "Test in isolation" - Use of stubs
- Stub generation from header files
- Testing "close to the error"
- repeatable tests, regression testing
- automatic test documentation



# Verifysoft TECHNOLOGY

## Our references



Global corporations, mid-sized players and small companies in more than ten European countries are using our tools to increase productivity and quality of their software development. Please contact us if you require further information or free trial software.





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## About our company



Verifysoft Technology is a value-added reseller of software testing and analysis tools from leading software engineering companies such as Testwell and Conformiq Software.

We provide global corporations, mid-sized players and small companies with software testing tools, expert advice, support and customization services.

Our international team of experts provides advice and assistance to customers in more than ten European countries. Our engineers have extensive experience of software testing - and several tools were developed in close cooperation with Verifysoft Technology.

Verifysoft Technology GmbH was founded in 2003 by a group of private investors and software testing specialists. The company is based in Offenburg Technology Park, in south-west Germany, close to the French border.

**Find code defects and problems before your customers do!  
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**More information and more tools on [www.verifysoft.com](http://www.verifysoft.com)**

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