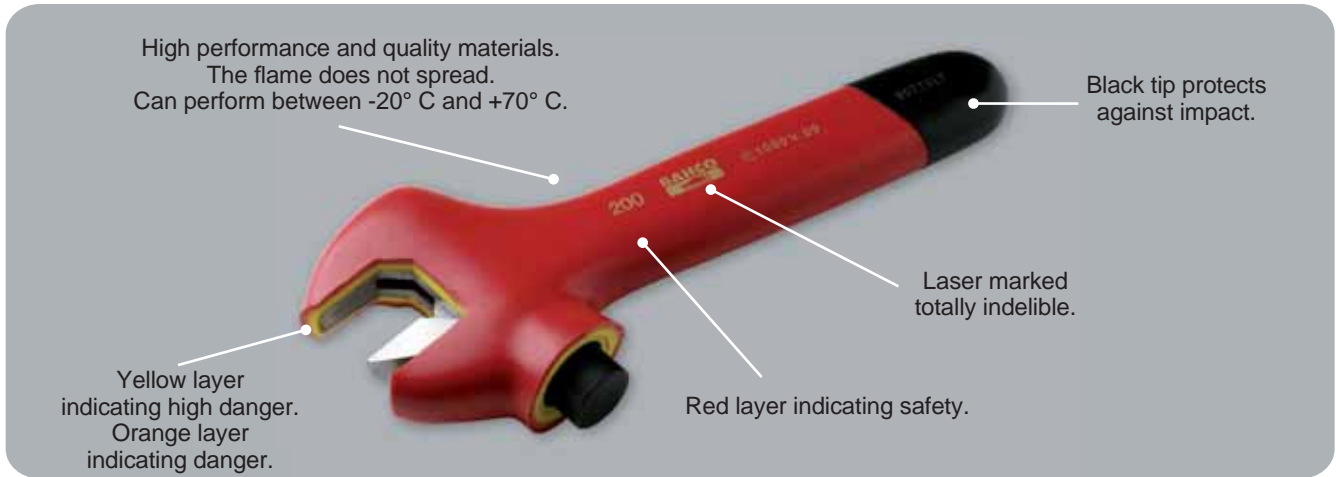


Safety GUARANTEE

Bahco tools all have a high level of technical performance. The materials used are of high quality and they have been carefully chosen and tested in order to guarantee safety and durability. We are one of the few hand-tool manufacturers who make the tools and the insulation in-house, both the PVC dipped insulated version (most of the tools) and the handle version (pliers, screwdrivers).

Each tool is tested to 10000 V for a period of 10 seconds, thus guaranteeing safety during live work.



Routine tests in accordance to IEC60900 specification



Dielectric test

The tools are immersed in water for 24 hours. A voltage of 10kV is then continuously applied for 3 mins. The test is considered successful if no electrical puncture, spark over or flashover occurs during the test period and if the limits of leakage current are not exceeded.



Retaining force test

This test is applied only to tools which can be assembled. The test consists of applying a force of 50 N to try to separate both parts. After a minute, both parts should stay assembled.



Impact test

The tool is cooled at -25° C for two hours. Afterwards, a special hammer applies force on the insulating layer. The test is considered successful if the insulating material shows no breaks.



Permanent marking durability

The markings are rubbed for 15 s with a rag soaked in water, and then for 15 s with a rag soaked in isopropanol. After this process, the marking should be legible.



Insulation adhesion test

The tools are conditioned at a temperature of 70° C for 168 h. A force of 50 N is applied in the direction of the line dividing the insulating material coating from the conductive part for 3 min. During this test the insulation material must stay firmly attached to the basic tool.



Penetration test

The insulating surface is pressed with a special device. A voltage of 5000 V is then applied to the tool for 3 minutes. The test is considered successful.



Flame test

The test is considered as passed if the flame height on the tool does not exceed 120 mm and there is no leakage of insulated material in fusion.



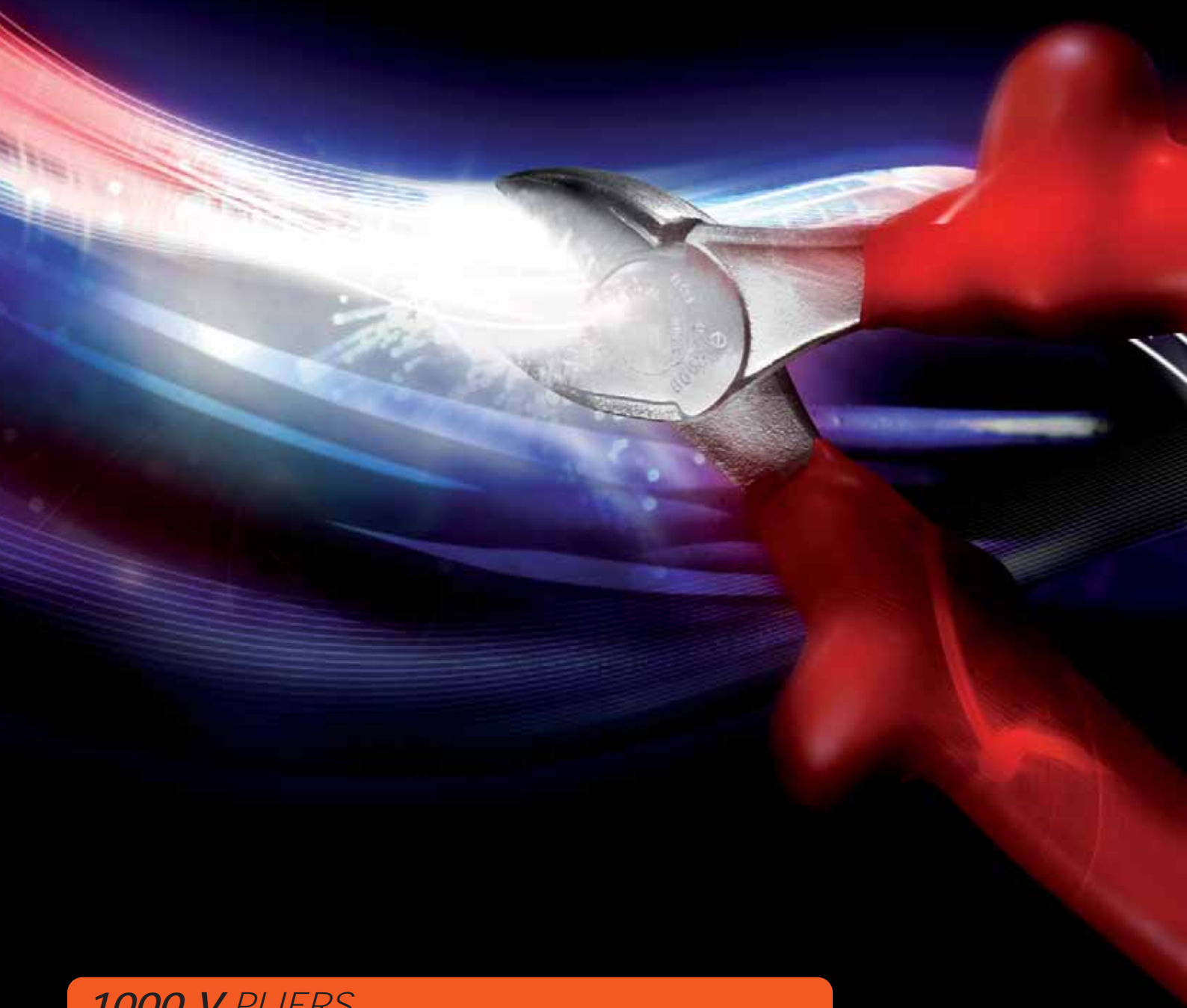
Visual and dimensional

The tool (in particular the insulation) is visually checked and should be free from external defects. The marking should be perfectly legible and the dimensions should be in accordance with the standard.



* 63% of Bahco insulated tools are Certified by the German VDE laboratory

1000 V



1000 V PLIERS