

Bowers Group Introduces the New Innovatest FALCON 5000 Hardness Tester

Bowers Group is pleased to announce the launch of the revolutionary new Innovatest FALCON 5000 hardness tester. Described as the most advanced and powerful Micro Vickers, Vickers hardness testing machine available, the FALCON 5000 encompasses Knoop and low force Brinell scales, as well as the ability to define and offer flawless upgrades to hardness testing to standards of Superficial Rockwell, regular Rockwell and higher force Brinell hardness scales. Offering a fully automatic advanced coordinate pattern and free style testing of metallic and plastic parts, the FALCON 5000 can be used in any common hardness scale.

The FALCON 5000 boasts servo driven tester force actuators with a descending test head, allowing test forces from 10gf up to 250kgf, making it unique in the world marketplace. The load/force actuator positions the test head at light speed and at sub-micron level accuracy, in any position required.

Setting the global standard for advanced high speed turrets, the FALCON 5000's high speed, 8 position turret is the first in the industry to have a standard built in laser positioning system. The turret also contains 2 HD cameras with auto focus and optical zoom system, allowing viewing at indenter position. In order to ensure maximum safety for the user, but also to protect the tester against user errors, all FALCON models have an advanced collision detection, warning & Z-axis/ test head retraction system.

This advanced and versatile machine uses the ultra-modern user interface of all Innovatest hardness testing machines; IMPRESSIONS. Developed by INNOVATESTS own software engineers, this software offers advanced functions with unparalleled simplicity of operation. IMPRESSIONS features single tests, pattern testing, CHD/Nht/Rht measurement, Jominy testing, or complex testing tasks such as ISO setup for testing heat affected zones of welded samples.

Paul Hold, Technical Sales Manager for CV Instruments at Bowers Group, said: "The Falcon 5000 can be described as the best and most versatile hardness testing machine on the market. This is a truly state of the art product, offering the highest levels of manufacture, quality and accuracy."

Bowers Group represents Innovatest's range of high end hardness testers in the UK and Ireland. As one of the world's most innovative testing instruments manufacturers, Innovatest provide hardness testing solutions in the form of top quality products that meet or exceed all applicable global standards.

Made in the Netherlands, the Falcon 5000 is made using the world's best quality components for both electronics and mechanics. It is also covered by Innovatest's 2 year manufacturers' guarantee, while software updates are guaranteed for 10 years.

For more information about the FALCON 5000 hardness tester, please visit www.bowersgroup.co.uk