

Version ST4 can be used to measure the friability index in diamonds, with significant differences in impact strength, and in cBN.

Attention: With the Friability Tester ST1 cannot tests be performed on abrasives whose friability index is less than 20 because it is not possible to set less than 500 cycles.

However, there are many types of diamonds on the market with lower friability values, diamonds used for applications that require abrasives, and binders, which are "softer" than those used to work stones.

Over the years, to meet the specific requirements of some customers, we have developed three new standards to perform comparative impact strength tests on these materials. These standards are now all available in version ST4. In particular, the equipment can perform tests on the following types of materials:



Standards can be varied by reducing the impact energy of the ball, i.e. the motor rotation frequency. The frequency is reduced gradually with regard to the standards indicated above, in other words, from the highest STONE to the lowest G + P .

To select the required standard insert the key supplied into the corresponding switch, one of the four on the left of the SHAKING, and switch it by turning it clockwise. Once the switch has been commuted, the key cannot be removed.



If no standard is selected (the key is not inserted or is not turned), the equipment operates with the STONE standard. If two keys are deliberately inserted, i.e. the one supplied and the extra one, the equipment will operate with the lowest standard, e.g. for STONE and cBN, the equipment operates with cBN.