

OUR BUSINESS SECTORS:

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- ASSEMBLY AND MACHINING EQUIPMENT
- SUBCONTRACTING
- AUTOMATION UNITS



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ChocTest

TEST OF SHOCK RESISTANCE



ChocTest

Make cycles of accelerated ageing



Age precisely your watches and movements

Equipment

ChocTest is an equipment for shock tests on watch heads and movements. Shocks are produced by a gravitational fall. The columns are independent and identical, their design ensures a great measure repeatability. A continuous control of temperature guarantees the stability of shocks intensity. The use of a 5 000 g accelerometer enables the auto-calibration of the different columns.

Transparency

Supports are made of transparent material. So it is possible to use a high speed camera to analyse the watch head during the shock.

Cycle

With the software developed for this device, it is possible to make various shocks without any limits. It is possible to make series of more than 25'000 shocks with various accelerations and in a totally independent way per column.

Adjustable range of shocks

Thanks to removable anvils, replacement of the impact stuff is made easier. Shocks could be various according to the material used (delrin, wood, rubber...).



Universal support

Supports enable the assembly of any watch head. They can be oriented in 6 different positions.



Automatic calibration

The use of an accelerometer enables to measure precisely shock intensity. By making different statements at different heights, it is then possible to make a correlation between the height of fall and the shock intensity. The manipulation is very simple: accelerometer has just to be placed on the column to be calibrated. The rest of the calibration is then automatically realised.

Variants

- 10 columns version
- 5 columns version

Technical data

	5 columns version	10 columns version
Max. measurable acceleration	5 000 g (10 000 g as an option)	
Max. height of fall	1 000 mm	
Number of columns	5	10
Repeatability of the shock	+/- 15 %	
Interface	1 x USB 2.0 and 1 x RJ45	
Connection	380 V	
Dimensions	1200 x 605 x 2610 (l x d x h)	
Weight	300 kg	400 kg