



Automatic Calibration Bench - SABF 500



General Features

This equipment is intended for the automation of torque sensor calibration device by mass deposit in order to fill the gaps of traditional calibration bench.

The equipment can be controlled with a synoptic (FALCON® software) or with electric cabinet and log the values of the different parameters (motor position, balance beam speed, position signal).

It is composed of a system of mass deposit as well as a system of balance beam horizontality control.

This equipment is the synthesis of several objectives:

- It improves ergonomics of the post by avoiding manipulation of masses in postures being able to cause problems of back to the operator.
- It reduces time of calibration cycles and, avoiding the handling, stabilization times and manual search for the points of stability. The necessary time for a calibration is divided by 4.
- It can automatically test any type of torque measurement system.
- With repeatability better than 0.1%, it offers a better accuracy than manual model's one.



System of Mass Deposit



Inside view