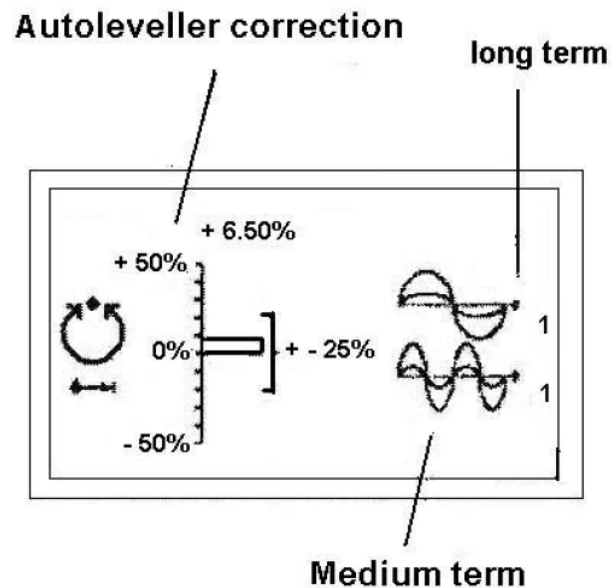


## Mid-Term Auto-Levelling System

Mid-Term auto-leveling system incorporating Dial-in speed control of the Taker-in roller for previously supplied Crosrol Carding machines.



The introduction of Mid-term auto-leveling working in-conjunction with existing Long-term auto-leveling result in much improved Card CV% especially when viewing the shorter length CV's so critical today to good Carding performance and finished Yarn quality.

The Mid-term leveler utilizes the latest generation digital inverters to accurately measure the operating torque of the Taker-in roller which is directly influenced by the density of the material been fed to the Card by its Feed roll system.

Fluctuations in the Material feed density are continually monitored with the Card feed roll been constantly adjusted so as to ensure that in-coming material is evenly fed on to the Card cylinder, the system ensures a regular sliver weight is obtained at all times.

An additional benefit from the new system is that the Taker-in rollers rotational speed can be simply adjusted via the Card controller so as to optimize the opening of the incoming fibre tufts, which ultimately results in higher Carding power been achieved from the Cards Cylinder.

## **Parts included in the Change Kit: -**

- 1.5Kw AC Drive Motor (European origin).
- Latest generation Digital Inverter (European origin).
- Mechanical support baskets.
- New Card Control Software for Mid-term Auto-leveling.
- Connection cables between Motor & control Inverter.
- Full instructions on how to connect the New Drive system to your old Carding machine.