

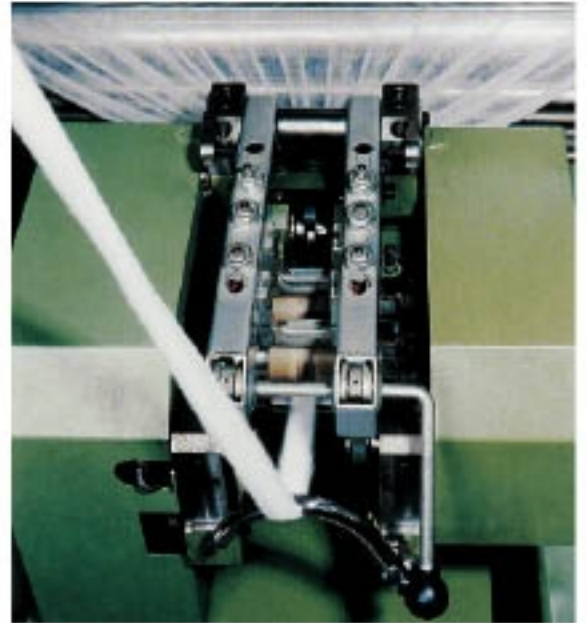
THCA SERIES AUTO LEVELLER FOR CARDING MACHINE

- THCA-S2 ULTRA SHORT TERM
- THCA-M1 MEDIUM TERM
- THCA-L1 LONG TERM

The above systems could be used along and also could be combined.

The main purpose of auto leveler control system is to control the evenness for sliver to make its CV% weight within a specific range. Carding machine is the most important key one for spinning work. The even and stable bobbin yarn can be produced only under production of even sliver.

By detecting to the thickness of feed roller or delivery T&G roller sliver weight, and through calculation of computer control system, the variance of sliver weight will change automatically for the drafting and to achieve the evenness of the sliver.



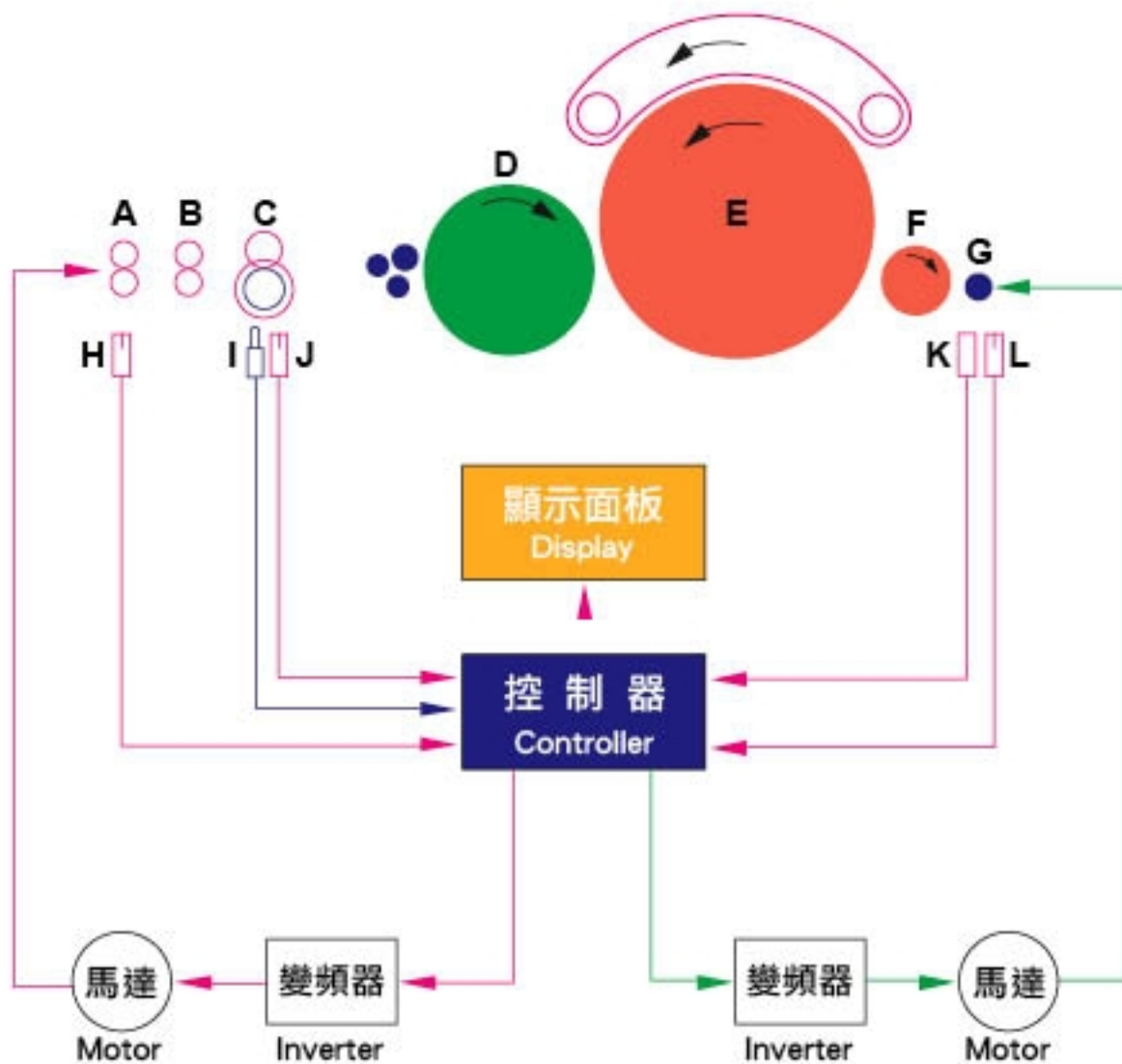
Features:

- 1.** Autoleveller control makes sliver weight even, and well mixing rate, which can improve the uneven of CV% for yarn.
- 2.** To control sliver weight in even, and over control range can be trimmed or automatically stop.
- 3.** Ultra-short term drafting system, the roller distance could be regulated by fiber length. This drafting system is the same as drawing frame, which makes drafting engineering of drawing frame more stable.
- 4.** Ultra short drafting system can increase about 15% of production.
- 5.** This device can be installed on any brand of carding machine. If use chute-feed system for carding machine, then it is more necessary to install this device.



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The illustration of THCA



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|---------------------------|------------------------------------|
| A: Draft roller | C: Feed roller |
| B: Auxiliary draft roller | H: Draft roller speed sensor |
| C: Delivery T&G roller | I: T&G roller sliver weight sensor |
| D: Doffer | J: T&G roller speed sensor |
| E: Cylinder | K: Feed roller weight sensor(R+L) |
| F: Taker-in | L: Feed roller speed sensor |