

iTech

Automatic Register Control



Automatic register control
for web offset printing machines



The always increasing needs of quality, waste reduction and short start-up times in the production field leads to the employment of always more sophisticated control systems. Between them we can certainly count the CABER iTech, a completely automatic register control originally born for the web presses with speed higher than 600m/' but now available for every kind of printing machines also in retrofit.

The system is composed by a smart camera for each printing side and by a sophisticate acquisition board that calculates the error from the readings done. For the highest efficiency all the elaborations are performed by a special hardware and the relative corrections are immediately executed through drivers expressly developed for the Customer or by interfacing already existent devices.

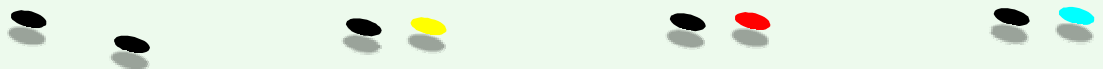
This system allows to obtain the quality control on the 100% of the production, to correct automatically eventual errors and eventually to signal the discards through an external signal.

Beside, if the machine allows the regulation of the plate inclination, the iTech can be also equipped with an additional camera in order to correct this kind of error too.

The system modularity also foresee the possibility to integrate the register control with other CABER systems like, for instance, the C.D.P.S. ink color control in order to obtain an integrated control centre.

The software interface allows the to check the register position of each printing unit and the state of system the from the same page.

This allows to each Operator to be able to use the iTech after few minutes avoiding long training times.



Max print speed:	> 600 m/'
Read precision:	0,01 mm
Max. controlled units:	10
Possibility to drive each kind of motorization.	
Quality control on the totality of the production.	
Possibility to correct the plate inclination.	
Very small register marks.	



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