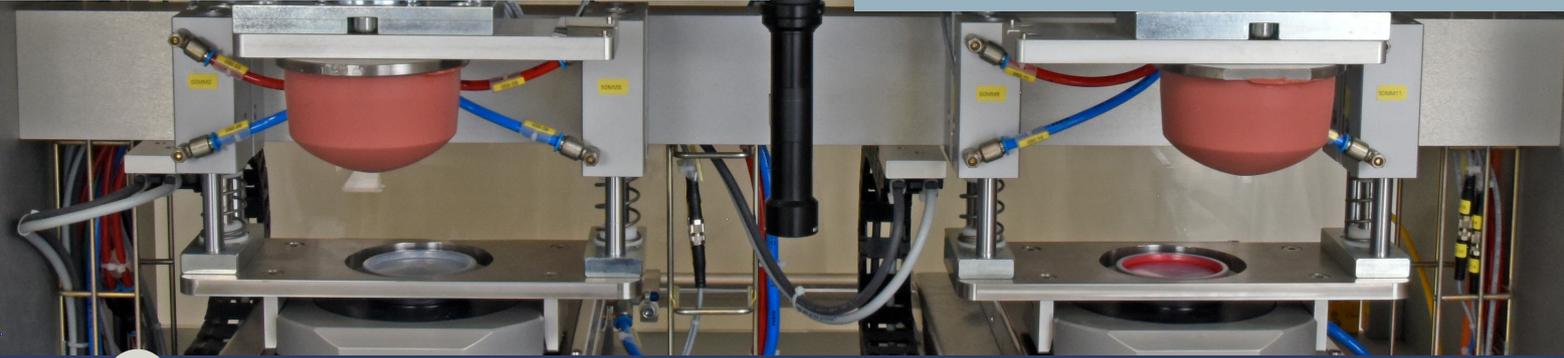


NEW CONCEPT FROM



PRINTING INTERNATIONAL



www.printinginternational.com



AUTOMATIC COLOR REGISTRATION [ACR] MODULE

AUTOMATIC MACHINE SETUP IN JUST A FEW SECONDS



Our patented Automatic Color Registration [ACR] module and procedure avoid cumbersome setup eliminating the need for technical skills from operator and supervisor and eliminating the need for extra products that will be lost during machine setup.

Printing plates and pads are simply fixed onto the machine and the ACR modules use specific references on printing plates, pads and product fixtures to align all components to get not only registered colors but also to place the (multicolor) image exactly on the spot where you need it to be. All of this without printing any product, **resulting in a first-time-right approach.**

During production, re-calibration of the setup can be repeated if required (for example to compensate for time-based temperature effects). A complete repositioning of the image (all colors together) or adjustment of one particular color component referenced to any other color component is also easy to do at any moment during production.

The prints of the 2 printing units are registered within +/-0.01 mm and an angular accuracy of better than +/-0.001°

If you think your application is too demanding for operators or supervisors to setup, the ACR module is what you need!

Calibration procedure

Upon pushing the calibration button, the camera needs to take a picture of the markers on product container, printing plate and pad. Based on calibrated information of the different movements of product container, printing plate and pad, the system calculates the target positions of any of these for taking the image with the pad on the printing plate and depositing the ink with the pad on the product.

This step is repeated for any combination of printing plate, pad and product fixture of interest during the production cycle.

Whereas this setup procedure would take a few minutes for a trained operator/supervisor, the system is capable of doing it in about 25 seconds, including the theoretically not necessary control step.

All industries

All shapes



All materials



Take a look at the video

Contact us



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