

How to operate color overprint on the container

Customer satisfaction is the image printed directly on the container color overprint, there are three people of all ages much more competitive; in fact it is positioning, color sequence, overprint trilogy.

1, There are three factors affecting the accuracy of registration: The first element is the machine's input / positioning system is correctly set to ensure that each substrate transport time from the input to the printing position accurate positioning device;

The second element is the tension of each screen are the same;

The third element is the number of substrates in the process of printing machinery and plant are subject to various factors. Deal with the above three elements of the issues involved, chromatic order accurate.

2, This positioning method with triple insurance to complete the above three elements of control and its Origin can be solved in time.

1; coincidence coated positioning

First fixed in a transparent film on the substrate surface for printing, and so on, each printed on the overlay image of the unit, which can distinguish between visual image and the positional relationship between the substrate, suitable for printing on transparent material chromatic graph . Positioning when printing the second color pattern on the film, and printed the first color pattern with a thin mold coverage, so that the two color patterns in the same location in line with the size of the design requirements, and then printed the first color map roofs and platform cement, the second color pattern in the screen room just printed the first color pattern on the transparent parts and platforms overlap the first color pattern can be achieved by positioning purposes. Overprint positioned correctly, the relevant process parameters to adjust the fixed parts, can be mass production operations.

2; mark Insurance positioning

Color to overprint the next version, installed version of the same color version of the position should be marked on the device; network distance; screen flatness should be the same before the color version. On; under the color versions of the sets of co-location, the school is the version on the same color aligned block-like rules, and to the (breathing, etc.) fixed. The same color on the screen according to the network installation version of the sign up box fixture to observe screen version of the graphics and the school version of the kind of graphics the fit case, slowly move the screen frame so that the two sets of standards, then tighten the clamp initially, knife angle; knife pressure to maintain the same as the previous version. Then try to print, and check the test pattern printed on the registration of, under normal circumstances, the fit error of 0.5mm, this, after 2 to 3 printed test, which means stable, and then to determine the alignment method, or fine-tuning ink pad, or fine-tune the screen fixture, not to blindly twist, as well as confuse the block rules, so that the entire batch of substrates misregistration, not to block any changes to regulations.

3; model with limited positioning

Week for garden-style printing, bottle under the support bearing, both for rotating the container in the screen below, there are limitations about the use of horizontal container groove positioning of the string; for local-style printing, put the bottle into a special two-piece mold base in agreement with the outer contour bottle, as the force support; they set a gas bottle at the mouth piece. but also the role of auxiliary positioning.

Two; chromatic

"Color overlay" the meaning of the word now, there are two-story; one is through the color separations for printing as color overlay, shows only yellow; magenta; blue and not black tri-color simulation results. This overprint color does not mean to be "four-color overprint." Halftone images can be less than four-color or four colors of the color composition of the excess. Another film by the same color-color overlay images respectively can contain two colors; three colors; four-color; or more colors. But no matter what kind of situation, are in a small space by printing color for many, many less than half the points, their eyes can produce composite color mixed feelings.

Color screen printing color sequence arrangement is generally yellow; green; magenta and black. Taking into account technical requirements, but also to arrange for the green color sequence; magenta; yellow and black. There abroad by black; yellow; magenta; cyan printing order.

Because screen printing in the shape of the different substrates (with surface; surface of the points) and the different nature of the substrate material, the color sequence is different. For example, in printing on a transparent object, the color sequence arrangement should be black; yellow; green; magenta. Color sequence to reflect the original colors of the arrangement has an important relationship between the constraints, how to ensure that copies of color distortion, in addition to accurately grasp the use of ink, but also need long-term practice and experience, trial and error sum. Screen printing color sequence identified two factors to consider, first, the substrates on the transparency of how the ink, which is the main factor of two factors. As in the screen printing, ink colors are mixed or superimposed by several generated, if the ink on a transparent substrate is poor, in the second color when printing the first color ink will be covered, but not with The second synthesis of new color-color stack. The second factor is the eye of the ability to feel a variety of colors are different. In general, people's eyes the most sensitive of magenta, cyan, followed by the sensitivity of the worst yellow. Because people of color sensitivity difference, often resulting in a yellow dot on the amount of ink to expand or shrink the size of rhyme and changes in a confusion, thus affecting the quality of printing. More reasonable screen printing color sequence and process requirements, the first color version with a blue print, printed later, the control-foot ladder; the order of the color reproduction contrast inspection. The second color yellow plate with brush, this two-color overlapping synthetic green, then use the eye of the green, and strong ability to identify the characteristics of the control according to the wedge; color check printing quality. The third red color printing supplies, printing black last edition. Black version of the outline and shadow to enhance the level. After four-color printed version and get the original copies of the same color.