

Claims:

1. A system of inspecting quality of a seal area of a blister package, said system comprising of:
  - a color image pick up device;
  - an illumination module to illuminate a top surface of the blister package; and
  - a computer to analyze and process images captured by the color image pick up device to determine if the seal area on the blister package is an accept or a reject, wherein said illumination module is arranged in a circular formation to form a ring type illuminating setup; said illumination module comprises multiple segments of red, green and blue LEDs.
2. The system of claim 1, wherein the colour imaging device is a CCD camera.
3. The system of claim 1, wherein the computer is programmed to extract three different images for each wavelength of illumination.
4. The system of claim 1, wherein the computer is programmed to analyze continuity of a sealing pattern with the seal area.
5. The system of claim 4, wherein the computer is programmed to measure a size of breaks in the sealing pattern in the seal area.
6. The system of claim 6, wherein the computer compares the measured size of the breaks in the sealing pattern with a comparison table comprising predetermined values for an acceptable sealing pattern to decide if the package is an accept or a reject.
7. A method of inspecting and detecting a defect in a seal area of a blister package, said method comprising the steps of:
  - triggering an illumination module and image pickup device;
  - capturing an image of the blister package;
  - transferring the image to a computer;
  - extracting multiple images of different wavelengths;

analyzing a sealing pattern, measuring a size of breaks in the sealing pattern, and comparing the measured size of the breaks with a set of a predetermined range of values; and  
accepting the blister package if the analyzed values of the seal area are within the predetermined range or rejecting the blister package if the analyzed values of the sealing area are outside the predetermined range,  
wherein said illumination module is arranged in a circular formation to form a ring type illuminating setup; said illumination module comprises multiple segments of red, green and blue LEDs.

8. The method of claim 7, wherein the image of the seal area is analyzed for a single continuous pattern.

9. The method of claim 7, further including analyzing the images of the seal area for a single continuous pattern in all extracted images for different wavelengths.

10. The method of claim 9, further comprising the steps of analysing the Images and measuring any breaks in continuity in the seal area.

11. The method of claim 10, wherein a decision is made to accept or reject the blister package if the measured values of the sealing pattern breaks are within or outside the range of predetermined values, respectively.