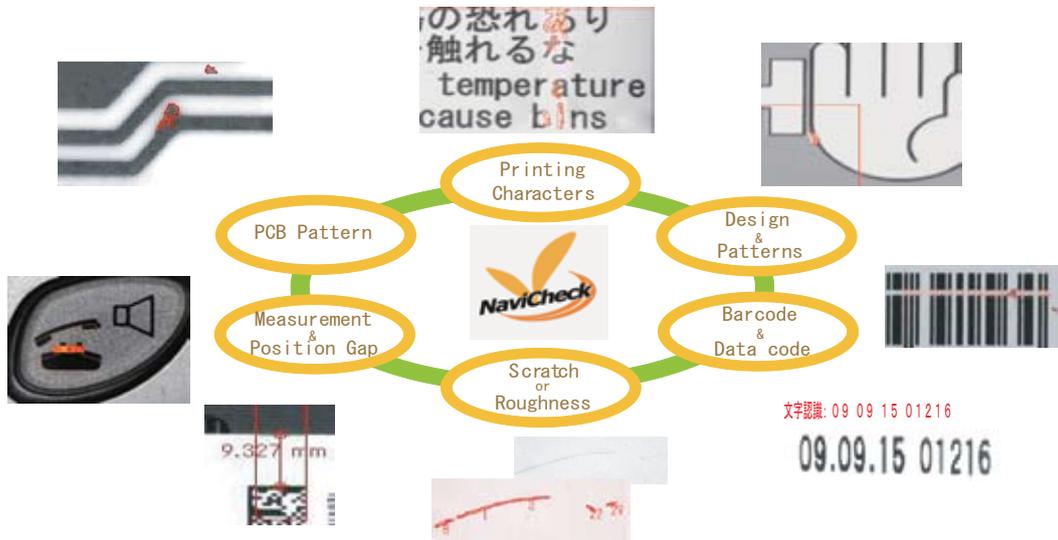
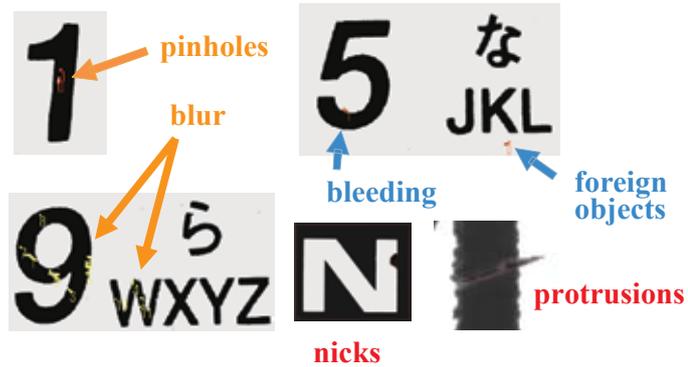


Navitas Checker Flex



Why is the print quality inspection difficult?

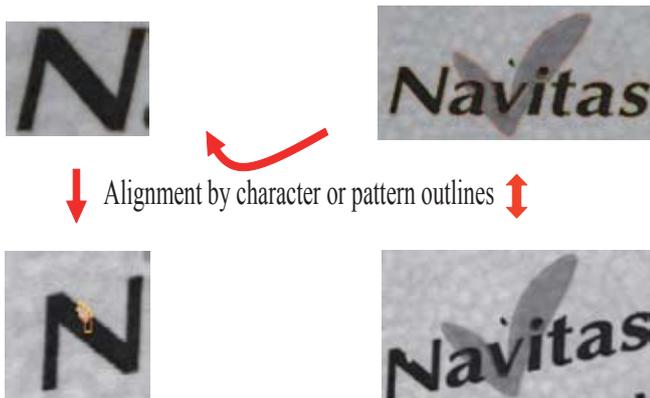
The change of air temperature, humidity, solvent ink ratio, platemaking condition, and so on, causes fat or thin problem of patterns and printed characters shape variation especially for marginal portion. In addition, the printing machine vibration or speed changes sometimes cause the distortion or elasticity of printed characters and patterns. As a result, a usual inspection system makes misjudgment so as to regard a normal good character as defect.



Navitas Checker Flex can solve this problem by its original image processing algorithm “Marginal Fuzzy Logic” and release you from the boring human eye inspection in the factory actually.

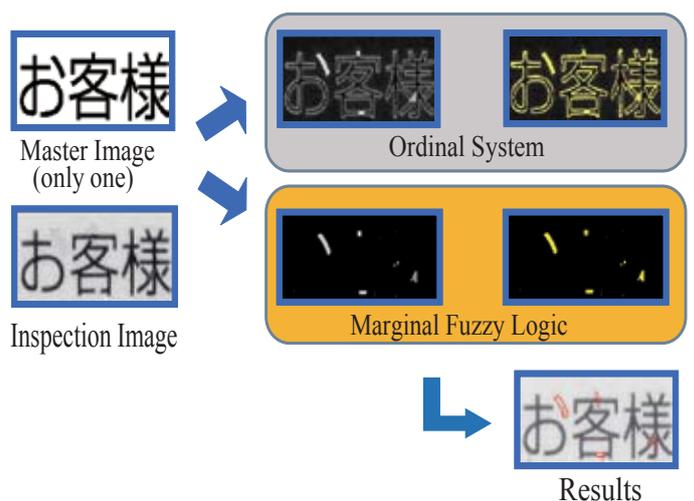
Features of Navitas Checker Flex

① Alignment by character or pattern outlines



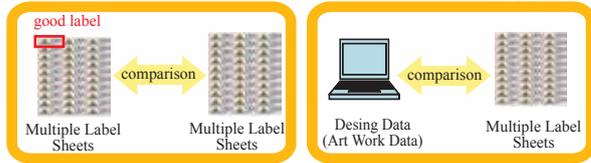
Find only defects correctly

② Marginal Fuzzy Logic



Print Quality Inspection System using Image Scanner

NaviScan



- Suitable for confirming the quality of platemaking by comparing the test printing sheet with correct design data or printed paper as master.
- Available comparison are made among scanned images, platemaking digital image, designer making data, and so on.
- For multiple labels sheet , all labels are automatically inspected by making the model for only one master label.
- You can make the model and perform inspection within 1 minute.
- Defects of pinholes ,blur, nicks, bleeding and so on can be found.
- Inspected defect size is more than 0.1mm×0.1mm by 600dpi resolution.
- Variable information like barcode, data code, numeric, alphabet including private characters can be read, recognized, verified, checked for continuity and inspected for quality, together with fixed information.
- NVS Easy Operation tool so called NEO is available for the field operators, who are not familiar with computer.

Box Type Compact System for Measurement and Print Quality Inspection

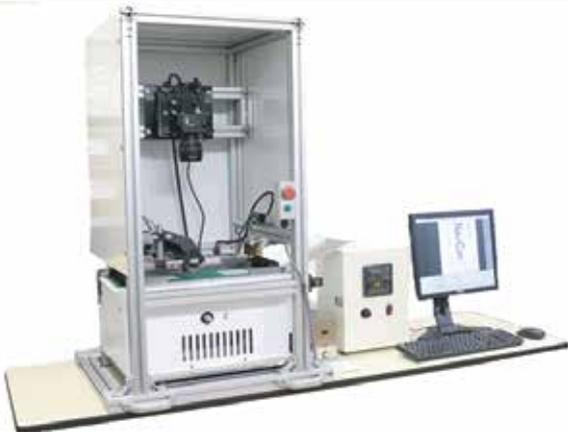
NC-BOX

- The very small pinholes that are difficult to be found by human eye can be detected surely by this system.
- Precise measurement for dimensions and position gap of arbitrary portion can be performed.
- Standard inspection area is 120mm ×100mm.
- Image resolution is 0.025mm-0.1mm/pixel, which depends on applied camera type.
- High resolution camera of 5M, 8M, 12M, and 16M pixels are available.
- Precision of measurement is 0.01mm or less.
- Defects of pinholes ,blur, nicks, scratches, blots, foreign objects, and so on can be found.
- NVS Easy Operation tool so called NEO is available for the field operators, who are not familiar with computer.



Conveyer Type Label or Sheet Inspectin System

NaviCon-Lite



- Can be applied to print quality inspection for label sheet, card, electric goods, automobile parts and so on.
- Objects are transported on conveyer belt by feeding manually and inspected automatically under the line scan camera.
- High resolution line scan camera of 2k, 4k, 8k, 12k or 16k pixels/line are available.
- Maximum work size is 180mm (W) × 220mm (L).
- Defects of pinholes ,blur, nicks, scratches, blots, foreign objects, and so on can be found.
- Precise measurement for dimensions and position gap of arbitrary portion can be performed.
- Variable information like barcode, data code, numeric, alphabet including private characters can be read, recognized, verified, checked for continuity and inspected for quality, together with fixed information.
- Conveyer belt can stop when defects are found.
- NVS Easy Operation tool so called NEO is available for the field operators, who are not familiar with computer.

- Roll to Roll label inspection system, whose concepts are Simple, Compact, and Low price.
- Industrial smallest desktop size and very silent machine.
- Maximum available roll label size is 200mm (Width) × φ350mm (Diameter).
- Maximum conveyance speed is 50m/min.
 - ※Note that actual speed depends on inspection condition.
- Image resolution is 0.098mm/pixel
 - ※Note that the resolution depends on the field of view of the camera.
- Defects of pinholes ,blur, nicks, scratches, blots, foreign objects, and so on can be found.
- Variable information like barcode, data code, numeric, alphabet including private characters can be read, recognized, verified, checked for continuity and inspected for quality, together with fixed information.
- Precise measurement for dimensions and position gap of arbitrary portion can be performed.
- NVS Easy Operation tool so called NEO is available for the field operators, who are not familiar with computer.

Desktop Type Roll Label Inspection System

NaviLab-Lite



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