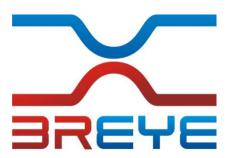
Measure contactless

the Braille Dot characteristics

and document your quality

according to DIN EN 15823

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Why do we need to check the characteristics of BRAILLE Dots?

- Redundancy of BRAILLE characters is significantly lower than redundancy of ASCII characters.
- Erronous reading of Braille text on pharmaceutical packaging could lead to serious helth problems
- DIN EN 15823 requires to check the quality of the BRAILLE Dots

if you would have to read text of such a bad quality it would make you really unhappy

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What does the BREYE Braille Dot Analyzer do?

- The BREYE Braille Dot Analyzer delivers all necessary information you need during setup of your Braille Embosser or Braille printer in a visual, easy to understand manner.
- The BREYE Braille Dot Analyzer offers the possibility to control your production.
- The BREYE Braille Dot Analyzer automatically creates reports in PDF file format

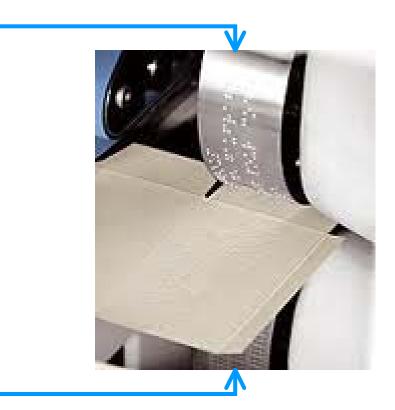




Aug-12 3

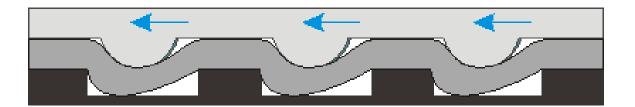
Setup your embosser

- The embosser pressures
 - a male tool against
 - a female matrix
 - forming Braille dots in the card board



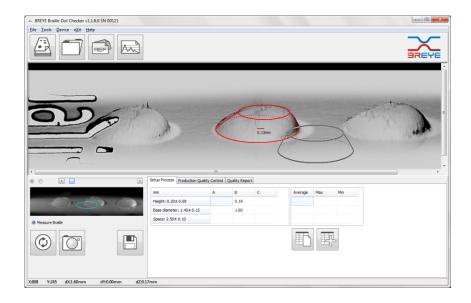
Register error between tool and matrix

- The tool should be perfectly in register to the matrix because the dots of the tool have to fit exactly in the holes of the matrix
- If this is not the case, the resulting braille dots will not be as stable over time and
- The matrix and the tool are stressed over time

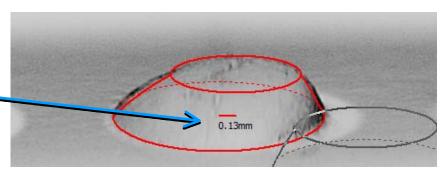


How to check the correct register with the BREYE Braille Dot Analyzer

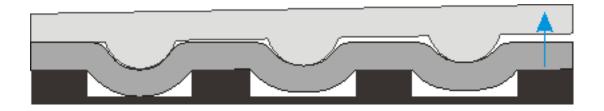
 Check the dots on different locations and in both directions to make sure your tool fits perfectly into your matrix.

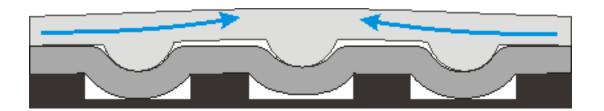


 The software tells you about the corrections needed to take in 0.01mm units.

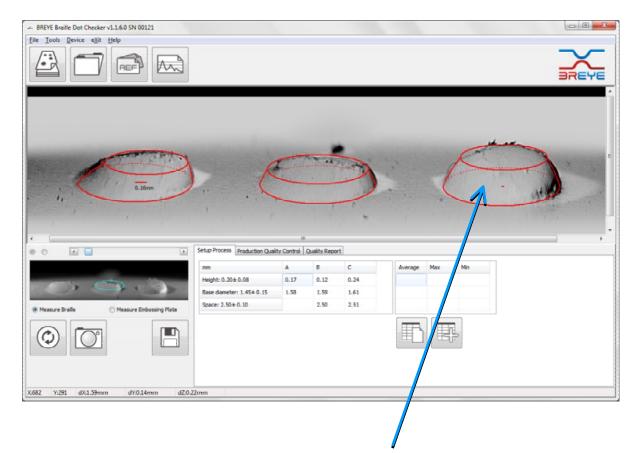


Bad mounting of the tool plate





The dots should show a similar height



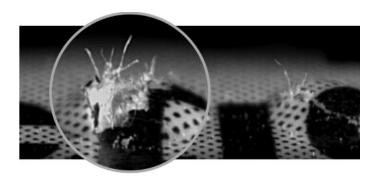
If one dot is significantly higher than the others, adjustments have to be taken!

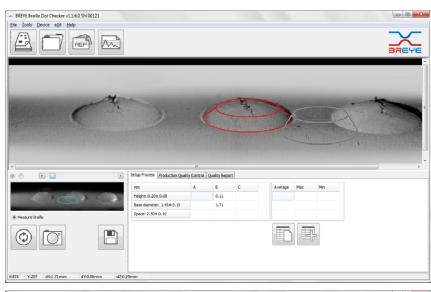
Achieve maximum height for Braille Dots

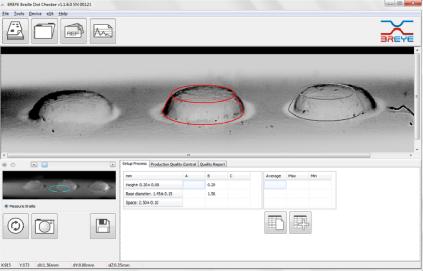
For a high quality Braille

the dot should achieve maximum possible height

just before breaking the material.

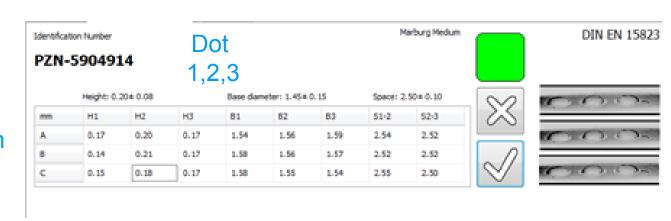






Control your running job

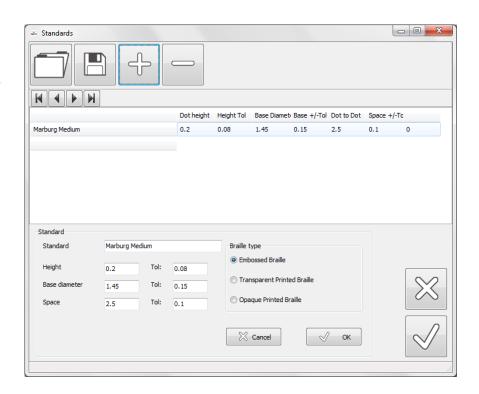
- Controlling a package from time to time will lead to a documented quality control of the process
- The BREYE Software does support the ISO EN 15823 recommendation
- ISO EN 15823 recommends to control
 - 3 dots
 - on 3 different locations per package.



Location A,B,C

Check Braille Dot Quality against a reference

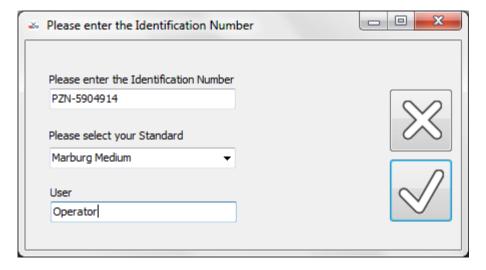
- The BREYE software implements a reference library for Braille Dots including
- Dot height the most critical critera for the readability of the Braille character
- Dot base width the sharpness of the dot is the second critical critera for the readability of the Braille character
- Space between two dots inside a character the least critical criteria for the readability of the dot

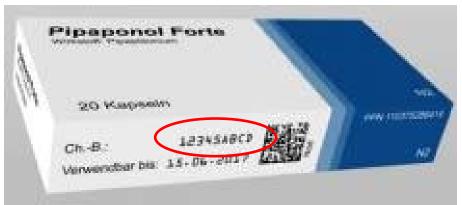


All parameters in tolerance:

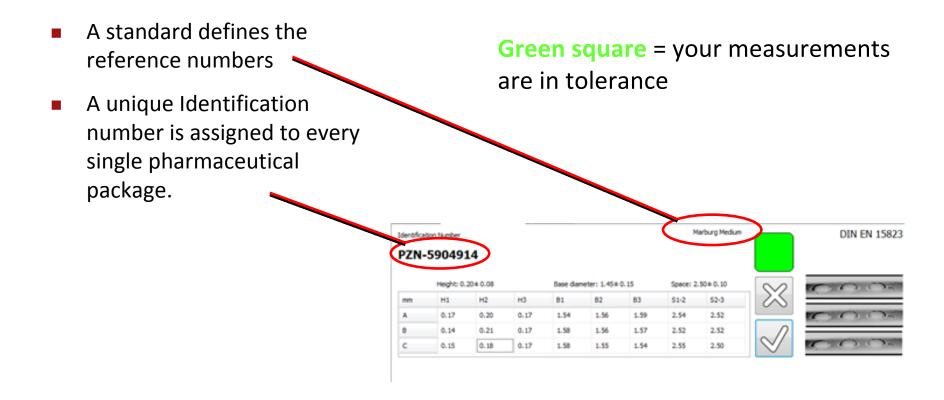
Control the quality of a single package

- Click the JOB Icon to start the measurement of a new package.
- Every pharmaceutical packaging is identified by a unique Identification Number
- The Identification number together with a time stamp identifies a single package





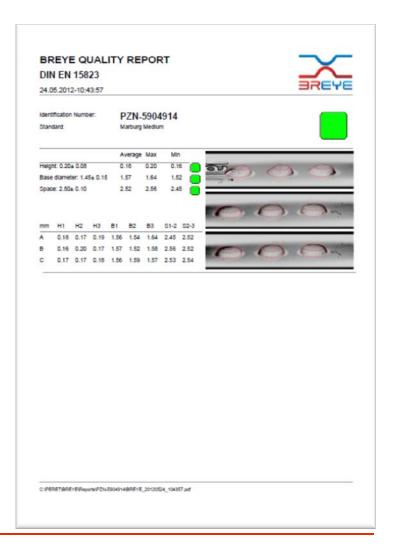
Measure 3 dots in 3 different locations



The BREYE Braille Dot Analyzer creates automatically quality reports for you and your customers

The quality reports are automatically saved and contains all information

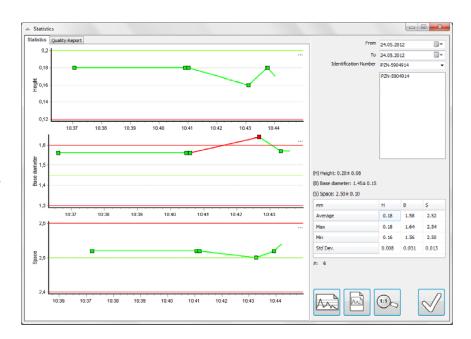
- Time Stamp
- Job ID
- Reference
- Statistics
- Images
- Single measurements
- □ Green / yellow / orange / red Flag



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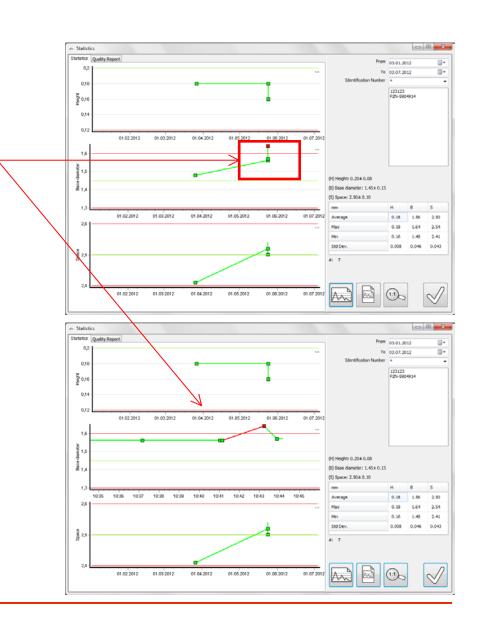
Create Statistics over the entire Job

- Create a statistics report collecting all measured packages in one single document
 - Select a time frame
 - Select a Job Identification number or a group of Job ID's by wild cards
 - Click the statistics icon to draw graphs and calculate the statistics



Zoom into the graphs

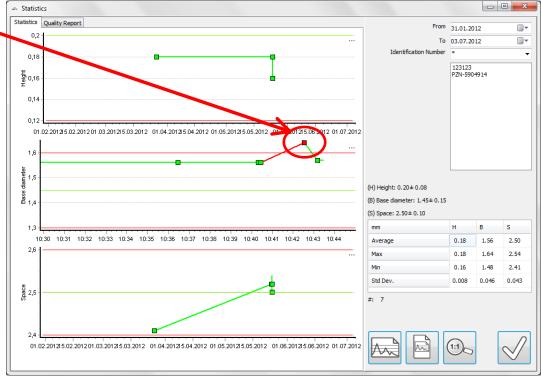
You can zoom into the graphs to show details



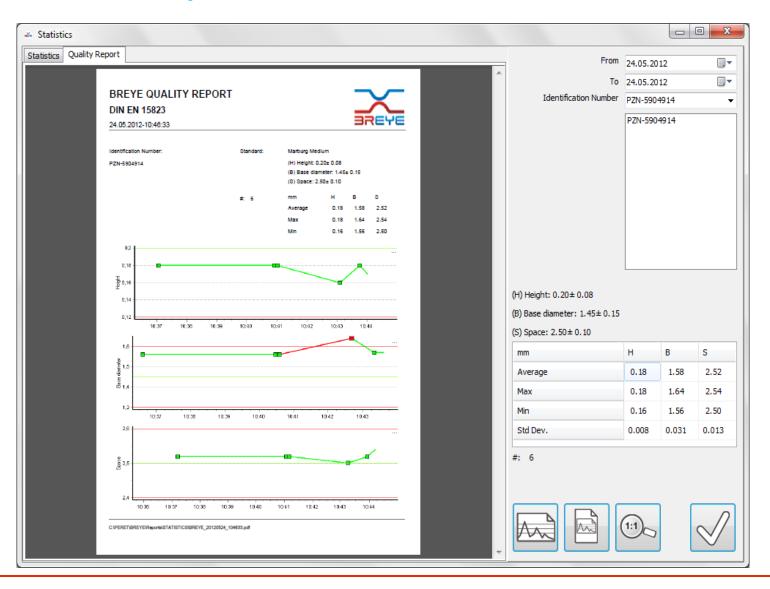
The Out Of Tolerance Dot

Click on the <u>out of tolerance</u>
 <u>dot</u> to open the respective
 quality report and to see

details.



Create a PDF report of the statistics



Thank you...

See what happens Understand why it happens Take corrective actions