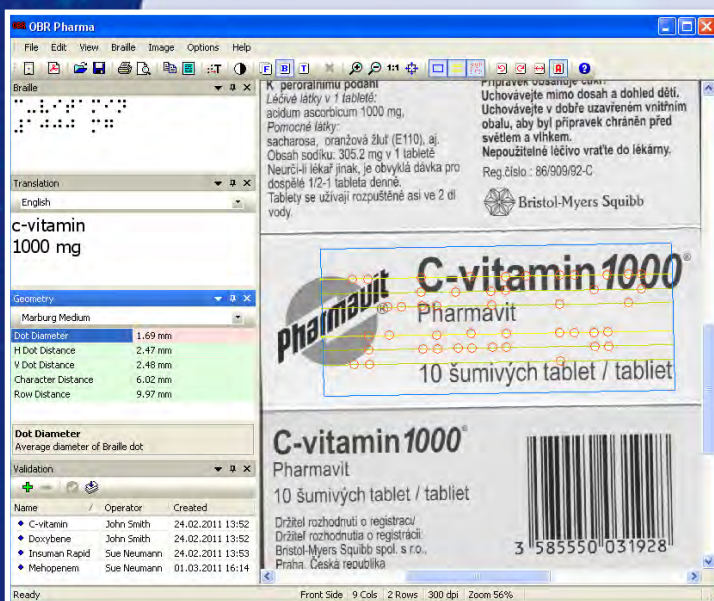




## Optical Braille Recognition for Pharmacy

- First out-of-the-box software for reading Braille printing on pharmaceutical packaging
- Uses a common flatbed A4 or A3 scanner and a standard PC
- World's best quality of recognition



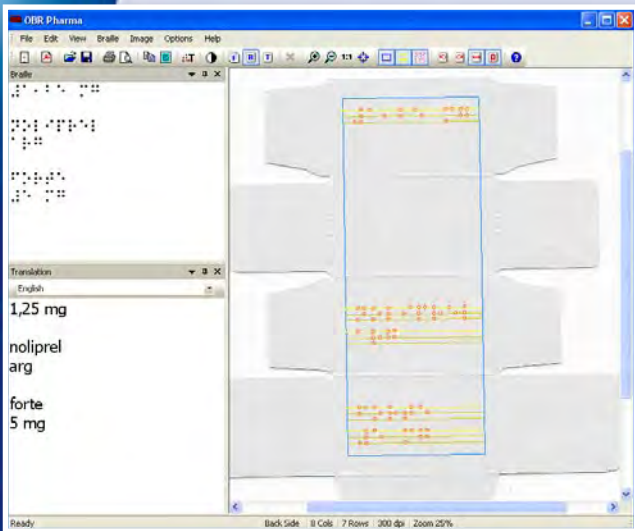
Software can process Braille on front panel of cartons using two scans

### ABOUT OBR PHARMA

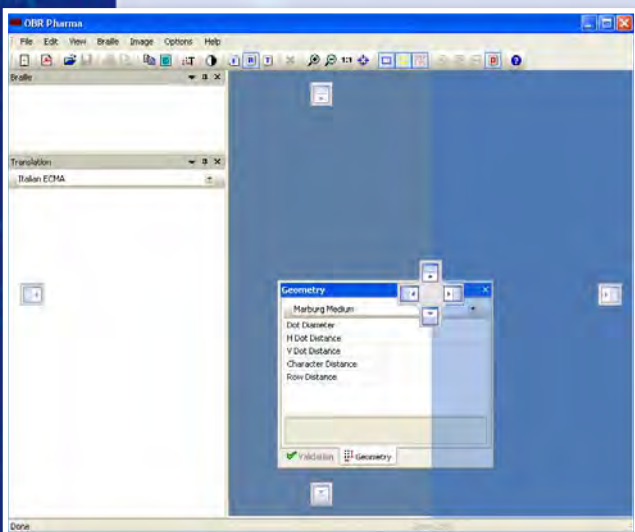
OBR Pharma enables a trained user of a standard PC to control the preparation and production process of pharmaceutical cartons and package goods with embossed Braille characters.

Braille approved “master” samples can be scanned in advance and the final products can be compared to the patterns and controlled for the correctness of the embossed Braille text.

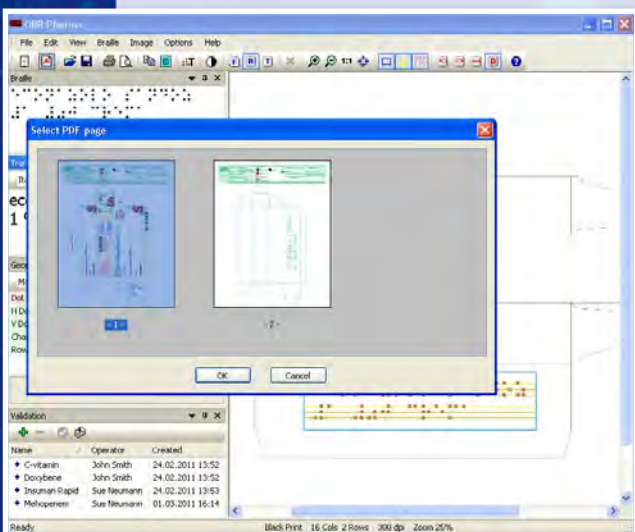
Since Europe and suppliers to the pharmaceutical industry are obligated to follow EU Directive 2004/27/EC and IADD BANA Braille Standards that regulates the Braille text to be included on the medicine boxes, OBR Pharma enables products to be controlled efficiently.



*Pharmaceutical carton scanned from back panel*



*The application workspace layout can be customized*



*Blackprint Braille can be recognized from selected PDF page*

## USING OBR PHARMA

OBR Pharma is a standard application running with OS Windows (XP, Vista, 7) and enables a user to acquire input data from different sources. Application searches for a Braille texts and converts them into a regular text.

The system automatically verifies the correctness of embossed Braille characters, the distance between individual dots, compares approved "master" and production cartons and generates a report with data summary.

The system is modular and enables the user to choose between different inputs of Braille data, as well as use various methods for Braille recognition. Additional modules can be developed on demand.

## OBR PHARMA FEATURES

### Data sources:

- PNG or BMP image
- Compatible TWAIN scanner
- Contents of a PDF file

### Recognition methods:

- Recognition of the black Braille on the light underlay (e.g. pre-print design document)
- Recognition of the Braille from the back side of the carton
- Recognition of the Braille from the front side of the carton (from two scans)

### Other features:

- Detection and visualization of errors
- Report with summary information
- Automatic recognition of 6 dot Braille in variable sizes
- Recognition of Braille documents is simple, user friendly and fast
- Variety of packaging types supported
- Supports all major Braille encoding standards
- Follows EU Directive 2004/27/EC and IADD BANA Braille Standards

### System requirements:

- Windows XP, Windows Vista, Windows 7
- TWAIN compatible flatbed scanner from the list of supported devices – updated regularly

### Contact us:

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