



**Viro-Immun Labor-Diagnostika**

# **VIRO-BLOTriX product presentation**

**April 2011**



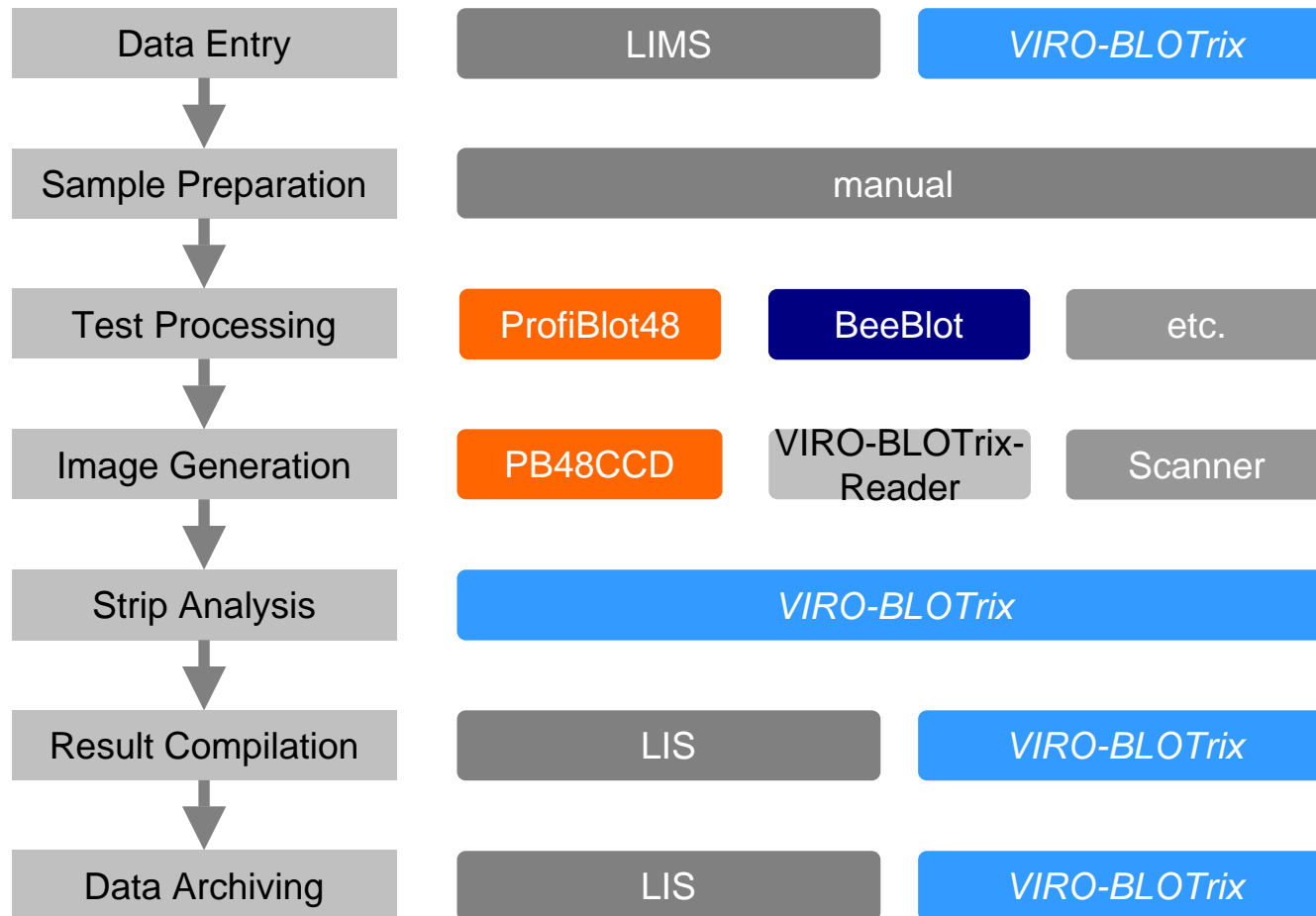


# Highlights

- ***VIRO-BLOTriX*** is a Software System for computerbased, semi-automated analysis and evaluation of immunoblots and line-assays.
- **Standardization**  
With an effective image recognition, unrivaled band detection and interpretation, *VIRO-BLOTriX* sets a new benchmark. Real standardization in evaluation of westernblots is thereby facilitated for the first time.
- **Efficiency**  
*VIRO-BLOTriX* reduces the effort for manual data entry through application of worklists and LIMS-Intergration and offers reliable archiving options. With a broad functionality, *VIRO-BLOTriX* offers medical laboratories a significant increas in efficiency.
- **Open Solution**  
*VIRO-BLOTriX* is the first and only open platform for automated immunoblot analysis. The software facilitates the evaluation of kits from different manufacturers, specific company plugins extend the functionality to match the varying requirements of the respective test.

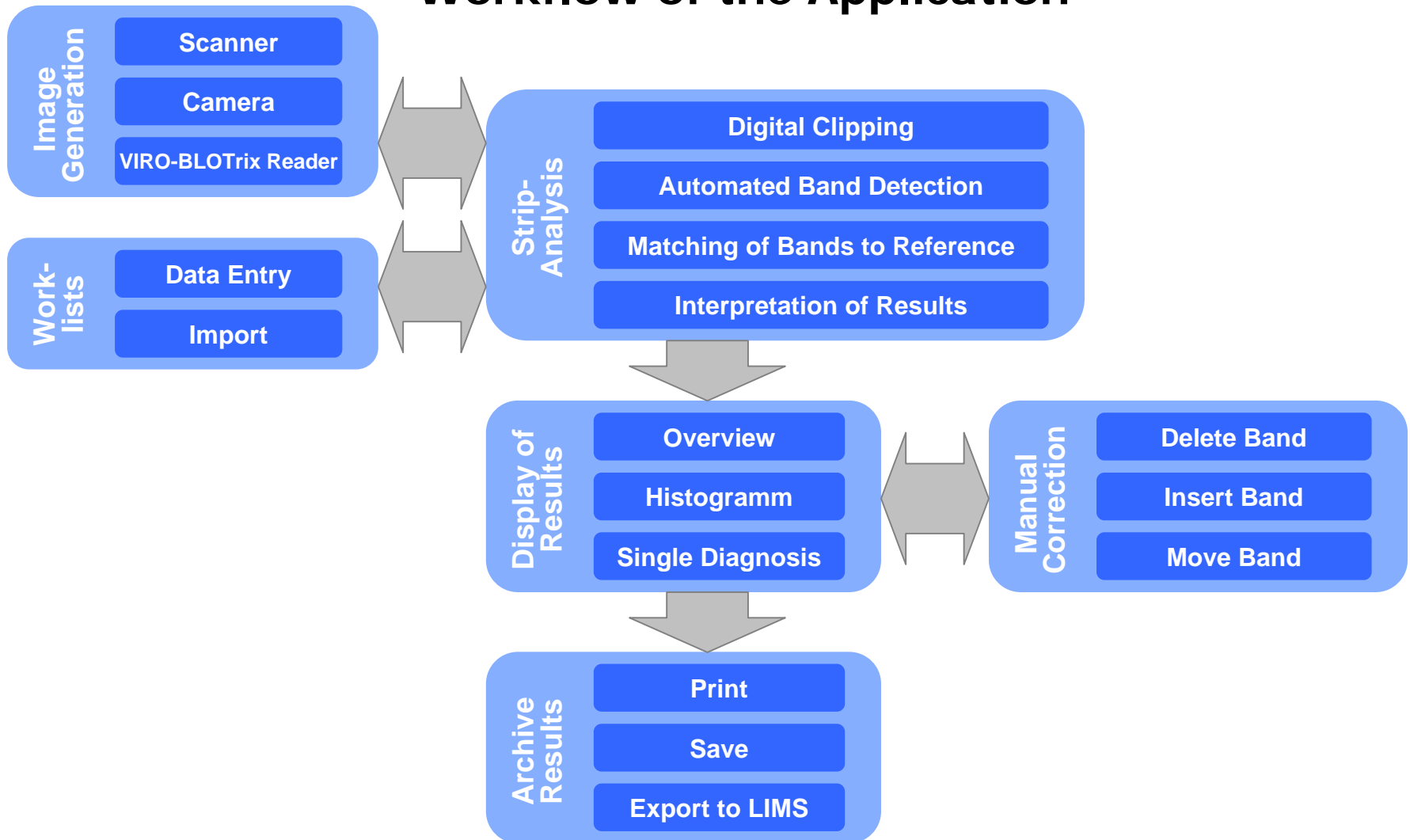


# Workflow in the Lab





# Workflow of the Application





# Function

- **Reading, Clipping, Band Detection**

*VIRO-BLOTriX* reads image data of immunological strips from a scanner, a camera or a *VIRO-BLOTriX* Reader into the software. The system automatically clips the strips from the dark background and detects the exprimated bands with high sensitivity.

- **Interpretation and Display of Results**

According to a scheme specified in a setcard by the diagnostics manufacturer, the results will be interpreted in comparison with a control strip and are visualized comprehensively.

No	Type	Ig	Probe No.	Strip	Antigens	Results
	Reference					
6	Patient	IgG	12976		*BmpA(-61,6); *BBO323(-37,4)	Negativ
7	Patient	IgG	13090		VlsE(30,3); BBO323(10,1)	Positiv
8	Patient	IgG	13151		VlsE(80,8); *p83(-24,2); *BBO323(-30,3)	Grenzwertig



# Function

- **Manual Corrections**

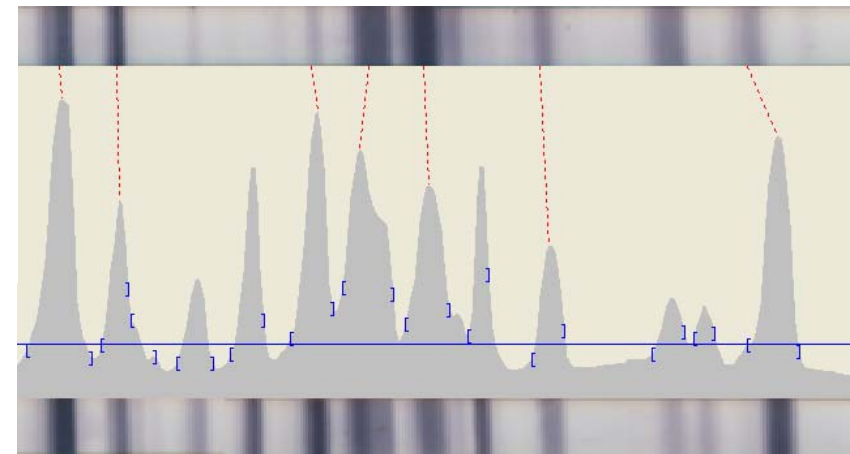
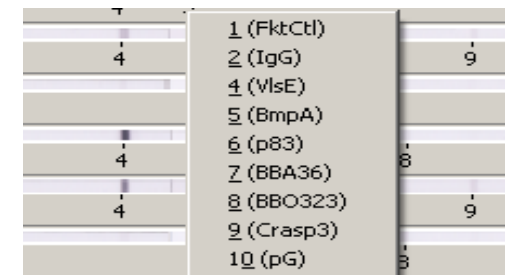
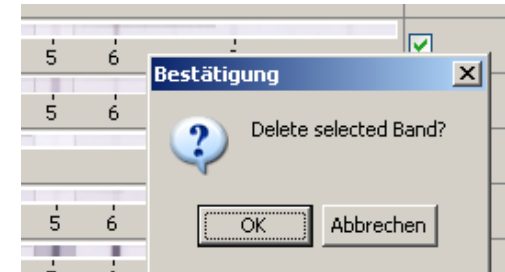
Comfortable manual correction features round out the excellent automated image analysis.

- **Diagnosis and Export**

Produced data can be used for compiling the diagnosis accordingly by transferring them to a connected Laboratory Information Management System or printing reports with the ReportPlugIn.

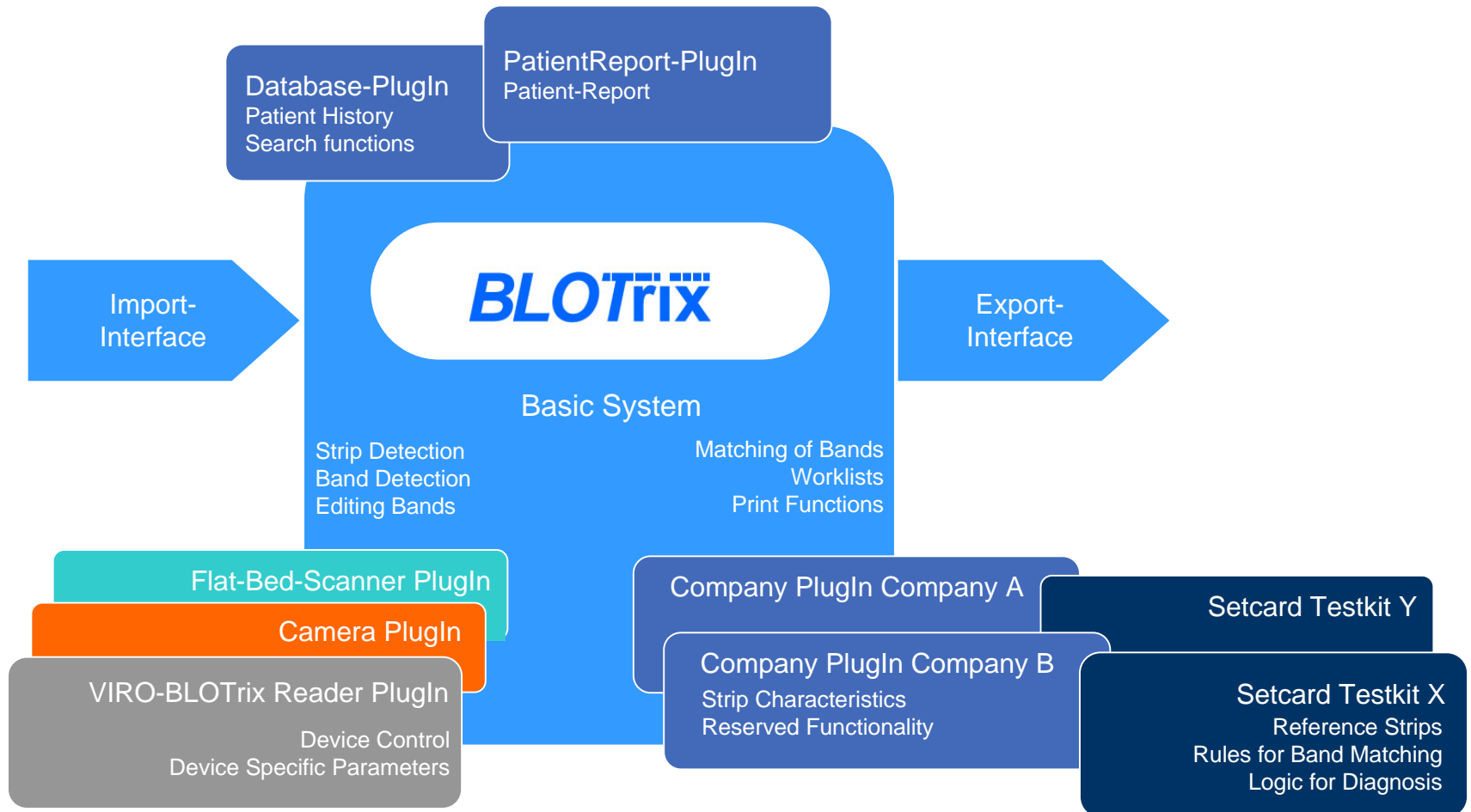
- **Work-List Management**

A comprehensive Work-List Management helps to keep important information about the samples at hand and avoids redundant data entry.





# Modular Architecture





## Advantages

- Manufacturer independent platform, open for all immunoblot test systems.
- Exact digital clipping of strips.
- Highly sensitive and correct band detection even of weakly reacting proteins.
- Very accurate matching of detected bands to the reference. Manual postprocessing is the exception.
- Interpretation scheme for compilation of diagnosis freely definable.
- Simultaneous and combined evaluation of different Ig-Types.
- Assessment of up to 48 strips, even from different kits, in a single operation.
- High-Throughput facilitated by easy integration with LIS.
- IVD-D (98/79/EG) compliant.
- Supports VIRO-BLOTrixReader, Camera and Flat-Bed-Scanner as image source.



# System Requirements

## ➤ **Operating System**

- Windows XP Professional
- Windows 2000 Professional

## ➤ **PC**

Minimum Configuration:

- Pentium III
- 800 MHz
- 128 MB RAM (or equivalent minimum required by OS)
- Grafikchip with 16MB of Memory
- 100 MB Harddisc Drive
- CD-ROM Drive
- USB 1.1 Port
- Display with 1048 x 768 resolution

In addition, a network connection may be needed for communication with a LIS.

## ➤ **Image Generation**

- Conventional Flat-Bed-Scanner with min. 200 dpi resolution in RGB-Colors, TWAIN-Interface. Deviation in brightness between scans must not exceed 2.5%.
- TECAN ProfiBlot 48 CCD (ProfiBlot PlugIn required)
- VIRO-BLOTrix Reader

## ➤ **Limitations**

The product is not approved for analysis of diagnostic products mentioned in Appendix II List A+B of the IVD-D 98/79/EG.



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## Contact details

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