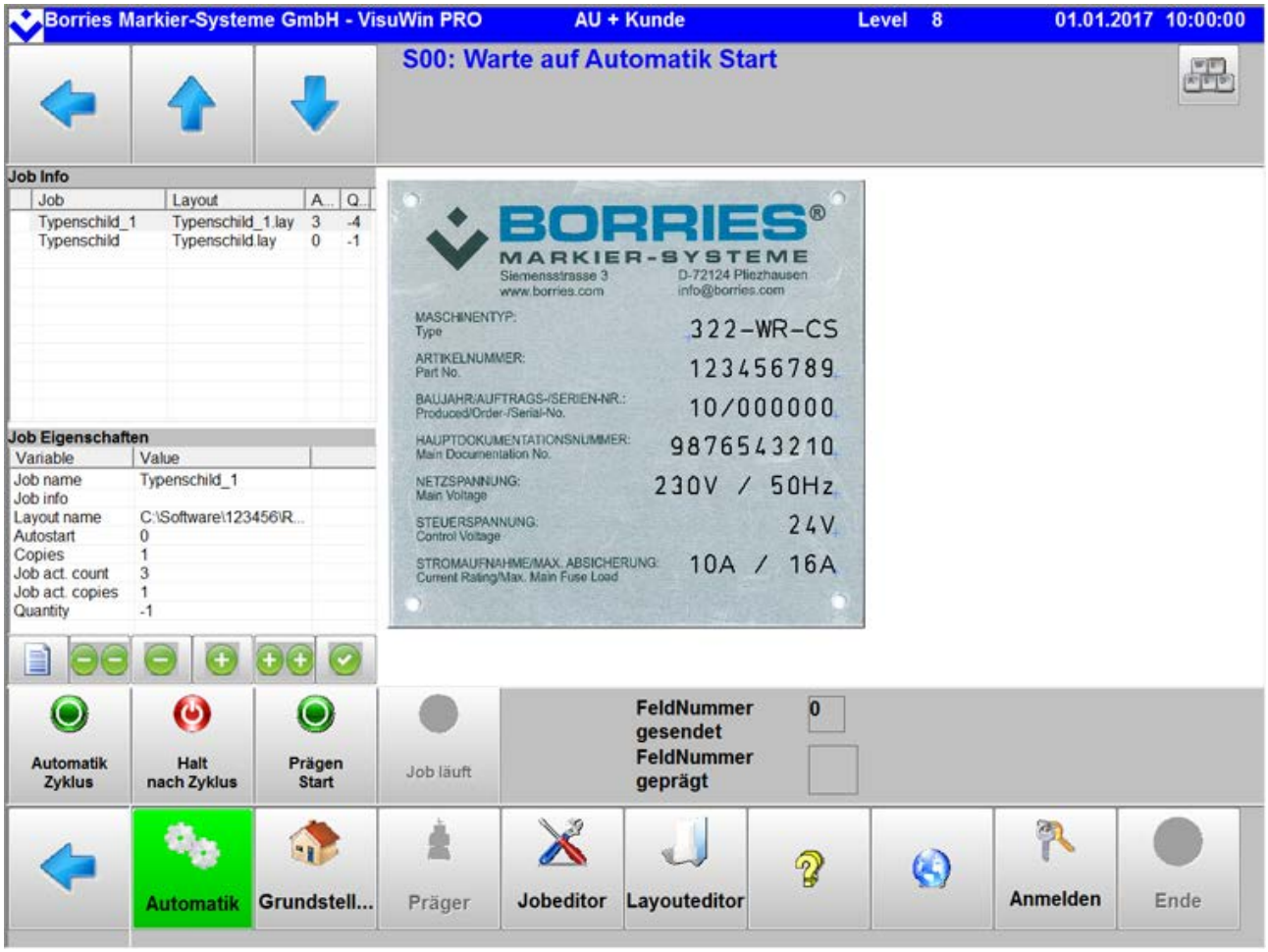
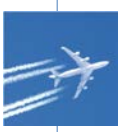
Marking-Software VisuWin-Pro

Technical data sheet





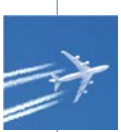

Application area

VisuWin PRO is a computer-based software program for controlling a complete Borries marking system. Menu controlled and freely configurable, it covers all applications of scribe, dot and data matrix marking systems, as well as type wheel and laser marking systems. Operation of the interface is intuitive due to the clearly arranged structure. The modular design allows complex project-specific tasks to be performed in all areas of data processing.

Basic functions

- True image display when creating, processing and marking images (layouts).
- Comprehensive date/time functions, counters, variables, layer indicators, batches, serial number management.
- 15 stored character sets for dot font, scribe lettering and data matrix code (ECC200, GS1). Special characters, company logos and 3 fully customisable character sets.
- Square and rectangular data matrix codes with up to 52 x 52 dots or 16 x 48 dots.
- Plot files (HPGL) or convertible from DXF (optional converter).
- Data transfer from barcode scanners, serial (StxEtx, 3964R, ...), fieldbuses, print server, Series11, file transfer (FTP server), etc.
- Data transfer from customer databases via ODBC with SQL queries or an ERP system, e.g. MS SQL Server, Oracle, Adabas, MySQL, SAP MaxDB, DB2, Informix, MariaDB, Sybase, PostgreSQL, etc.
- Number of layouts are unlimited and cross-machine.
- Comprehensive and unlimited job management. Marking jobs for the preparation and saving of marking sequences.
- Distributed installation possible, e.g. central provision of marking jobs for several marking machines.
- Versatile protocol functions, customer-specific protocols for data transmission can be integrated.
- Customer-specific data checking (protection against double marking, Modulo11, Modulo43, format and length checking).
- Camera connection with possible data handling.
- Predictive maintenance (PdM).
- Control of up to six motorised axes per controller, several controllers can be operated simultaneously.
- Depth and contour monitoring.
- Integration of external devices such as RFID, EKS, printers or mobile data carriers.
- Component position detection with automatic marking image correction.
- User interface with language switching.
- Access and permission levels.




Password level

Operation can be secured against unauthorised access with **eight** different authorisation levels. The authorisations for each of these levels can be configured on a project-specific basis and individually.

Access to a level can take place by entering a password, using a keyboard, through the release of an electronic key system (EKS) or a higher-level control.

Sequence control

Project-specific sequence control is effected with a script language. Scripts can be edited using a simple editor or the tools included. For customers, this makes it possible to realise even minor changes in the sequence (e.g. signal exchange with another control system).

Layout/Marking image

The "Layout Editor" module can manage any number of layouts (marking images). Each layout can contain up to 100 fields (lines) with a maximum of 128 characters per line.
Date and time functions, layer indicators and counting fields can be created. Global variables that are used by multiple layouts at the same time can be accessed. A workpiece image can be stored for each layout for display as a BMP file.

Job processing

"Jobs" are prepared marking jobs for individual markings or a sequence of markings. To create such jobs and their administration (release or blocking), there is the "Job Editor" module that can also be installed on a remote PC (with network connection).

The number of created jobs is almost infinite, but is limited by the available memory space of the PC.

Minimum requirement for PC and operating system

(software installation required, requirement dependent on task)

- Operating system: Windows® XP SP3/ Windows® 7 SP1 (32-/64-bit)
- Processor: Multicore processor, min. 1.5 GHz
- Random access memory: 2 GB RAM (32-bit), 4 GB RAM (64-bit)
- Hard disk space: 1 GB free space
- Graphics card/Monitor: Resolution min. 1024 x 786 pixels
- Data interfaces: project-specific (serial interfaces, USB, Ethernet, fieldbus)
- Interface to marking controller: Ethernet (Switch), serial (RS232, RS422) or USB

Technical details are subject to change.