





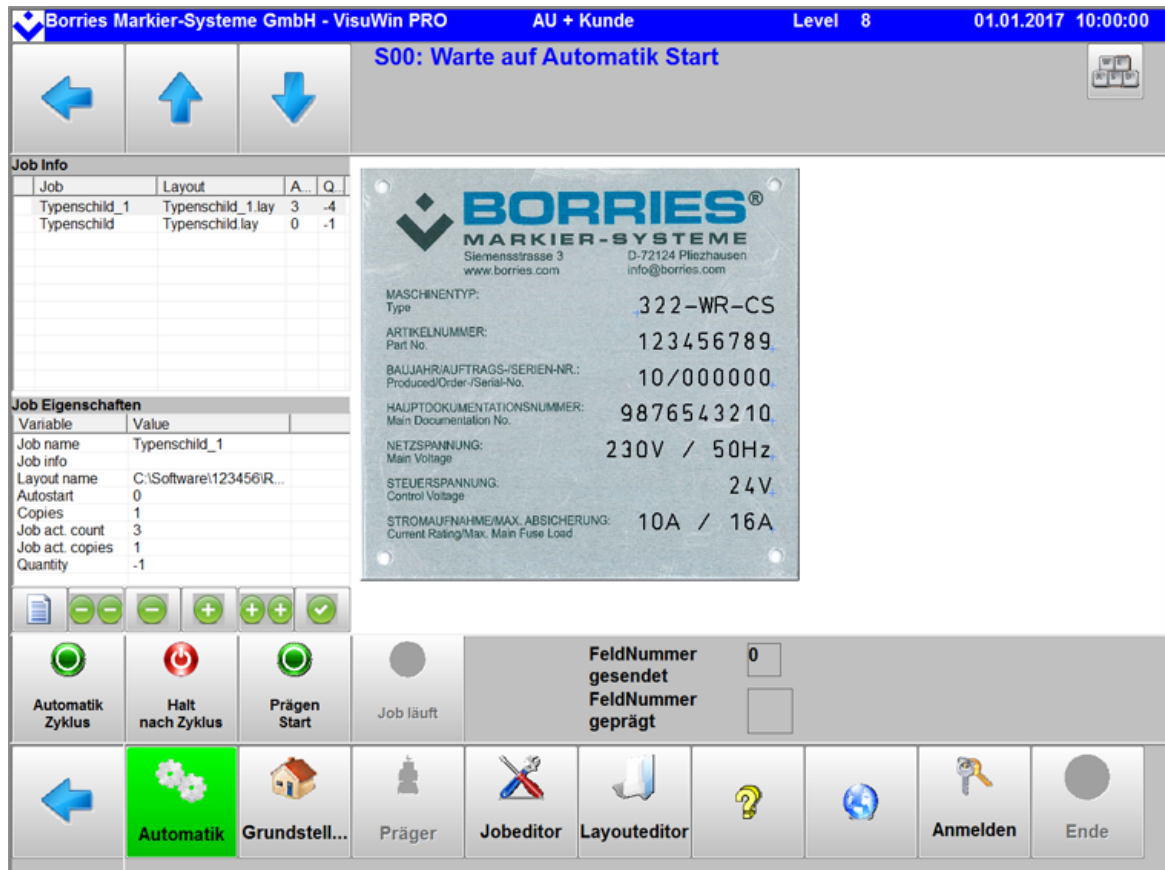


-  Conventional marking technology
-  Scribe, stylus and dot-peening marking technology
-  Type-wheel marking technology
-  Laser-marking technology
-  Traceability
-  Special-purpose machines

Marking-Software VisuWin PRO

Technical data sheet



Borries Markier-Systeme GmbH - VisuWin PRO AU + Kunde Level 8 01.01.2017 10:00:00

S00: Warte auf Automatik Start

Job	Layout	A.	Q.
Typenschild_1	Typenschild_1.lay	3	-4
Typenschild	Typenschild.lay	0	-1

Job Eigenschaften

Variable	Value
Job name	Typenschild_1
Job info	
Layout name	C:\Software\123456\R...
Autostart	0
Copies	1
Job act. count	3
Job act. copies	1
Quantity	-1

BORRIES MARKIER-SYSTEME
 Siemensstrasse 3 D-72124 Pliezhausen
 www.borries.com info@borries.com

MASCHINENTYP: 322-WR-CS
 Type

ARTIKELNUMMER: 123456789
 Part No.

BAUJAHR/AUFTRAGS-/SERIEN-NR.: 10/000000
 Produced/Order-/Serial-No.

HAUPTDOKUMENTATIONSNUMMER: 9876543210
 Main Documentation No.

NETZSPANNUNG: 230V / 50Hz
 Main Voltage







STEUERSPANNUNG: 24V
 Control Voltage

STROMAUFNAHME/MAX. ABSICHERUNG: 10A / 16A
 Current Rating/Max. Main Fuse Load

Buttons: Automatik Zyklus, Halt nach Zyklus, Prägen Start, Job läuft, Feldnummer gesendet, Feldnummer geprägt, Automatik, Grundstell..., Präger, Jobeditor, Layouteditor, Anmelden, Ende

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-peening and DataMatrix 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.







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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-peening, scribe lettering and DataMatrix code (ECC200, GS1). Special characters, company logos and 3 fully customisable character sets.
- Square and rectangular DataMatrix 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 scanner (StxEtx, etc.), fieldbusses, Printserver, file transfer, 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, Modulo 11, Modulo 43, format and length checking).
- Camera connection with possible data handling.
- Predictive maintenance (PdM): Independent maintenance message and monitoring of operating data.
- Control of up to six motorised axes per controller, several controllers can be operated simultaneously.
- Tool checks (stylus break, piston movement)
- Depth and contour monitoring.
- Touch-on functions
 - Tolerance compensation for a constant distance to the workpiece surface
 - Marking on an inclined plane by double touch-on (automatic angle calculation)
- Integration of external devices such as , 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.
- Configurable font parameters:

– Character height	– Arc
– Character width	– Character spacing
– Text width	– Marking direction
– Angle	– Alignment of the text

And many other configuration options.

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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 contains 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® 7 SP1 (32/64-bit), Windows® 10 (64-bit) Professional Version 1809 or higher, Enterprise 2016 LTSC or higher
Processor	Intel® or AMD processor with 64-bit support; 2 GHz or faster
RAM	8 GB
Hard disk space	1 GB, additional storage required for protocol files
Graphics card	Resolution 1024x768 px
Marking controller interface	Ethernet (Switch), serial (RS232, RS422) or USB
Data interface	Project-specific (serial interfaces, USB, Ethernet, fieldbus)

Subject to technical changes.