





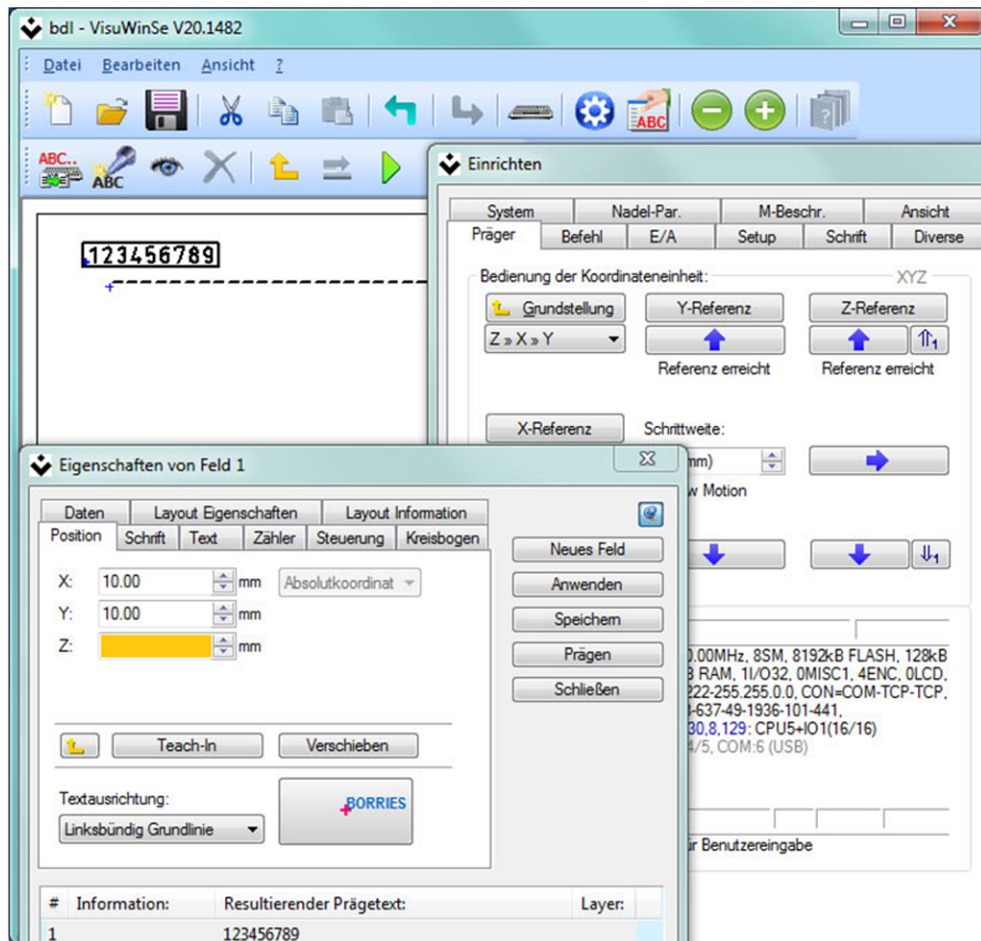


-  Conventional marking technology
-  Scribe, stylus and dot-peening marking technology
-  Type-wheel marking technology
-  Laser-marking technology
-  Traceability
-  Special-purpose machines

Marking-Software VisuWin SE







Technical data sheet



Application area

A computer-supported software program for controlling the BORRIES marking controller. Menu-controlled and configurable to cover a wide variety of applications from scribe, dot-peening and DataMatrix marking systems. Operation of the interface is intuitive due to the clearly arranged structure. Interfaces to a wide variety of peripherals as well as communication with production control systems are possible.

The "VisuWin SE" software is predestined for the field of nameplate marking systems and manually-operated marking systems for a wide variety of workpieces or workpieces that frequently change.







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Basic functions

- True image display when creating, processing and marking images (layouts).
- Functions for date, time, work shift, counter and serial numbers.
- Storing workpiece images (layout-dependent).
- 15 character sets for dot-peening, scribe lettering and DataMatrix code (ECC200, GS1). Special characters, logos and customisable character sets.
- Square and rectangular DataMatrix codes with up to 52 x 52 dots and 16 x 48 dots.
- Plot files (HPGL) or convertible from DXF (optional: converter).
- Data transfer from barcode scanner, serial (STX/ETX, 3964R, freely definable control characters), fieldbus, file transfer or network interface (TCP/IP).
- Acceptance of external full or partial data.
- Different controls of the data can be configured: Vehicle identification number (Modulo 11, Modulo 11 with extra test digit), Modulo 43, length, format.
- Order management (jobs).
- Predictive maintenance: Independent maintenance message and monitoring of operating data.
- Unlimited number of layouts (100 fields with a maximum of 128 characters per line per layout).
- Data queue.
- Global variables for multiple layouts.
- Protection against double marking (up to 10,000 numbers).
- Logging of data for backups or updates.
- Control of up to six motor axes.
- User interface with language switching.
- Password functions.
- Interface simulation wizard.
- Comprehensive and detailed software description.
- Status display and control of the digital inputs and outputs.
- 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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Options

- Interfaces:
 - Digital I/O signals
 - Profibus DP
 - Profinet I/O
 - Profinet IRT
 - DeviceNet
 - Ethernet/IP
- Labelling of round parts
- Control panel
- 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)
- Tool checks (stylus break, piston movement)
- Workpiece queries and start conditions
- Workpiece clamping
- Camera system

Other functions on request.

Minimum requirements for PC and operating system

- Operating system: Windows® 7/8.1/10 (all 32/64-bit)
- Processor: Single core processor min. 1.5 GHz.
- Random access memory: 2 GB RAM
- Hard disk space: 100 MB free space
- Graphics card/Monitor: Resolution min. 1024 x 786 pixels
- Interface to marking controller: Ethernet, serial (RS-232C) or USB 2.0
- Data interface: Ethernet, USB or serial (RS-232C)

Subject to technical changes.