







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

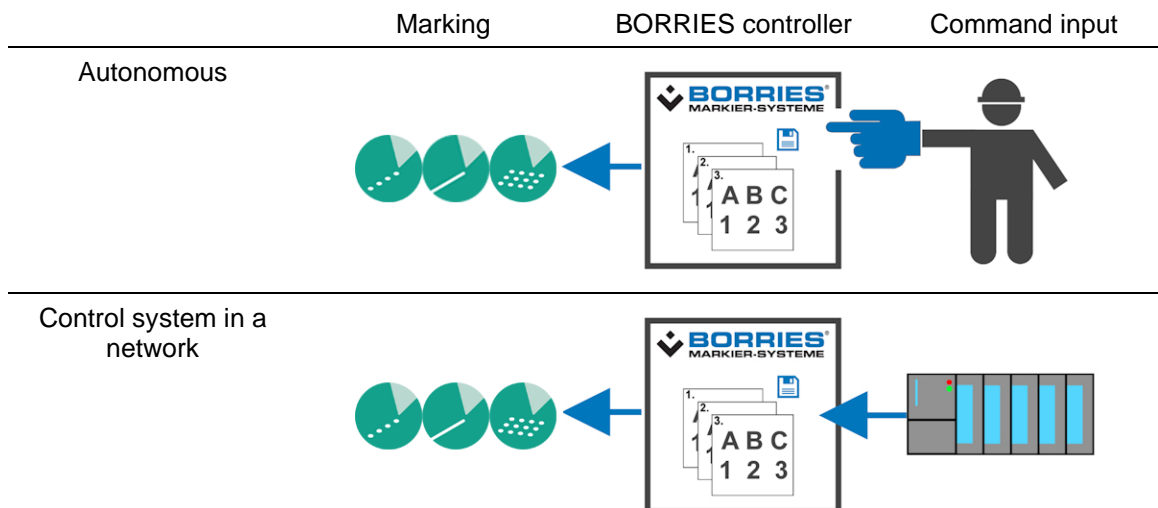
Marking-Software VisuMark

Technical data sheet

VisuMark is software for controlling the BORRIES marking controller. No additional computer is needed for operation. The BORRIES marking controller can be operated in layout or printer mode. A variety of configurable functions are stored in the BORRIES marking controller.

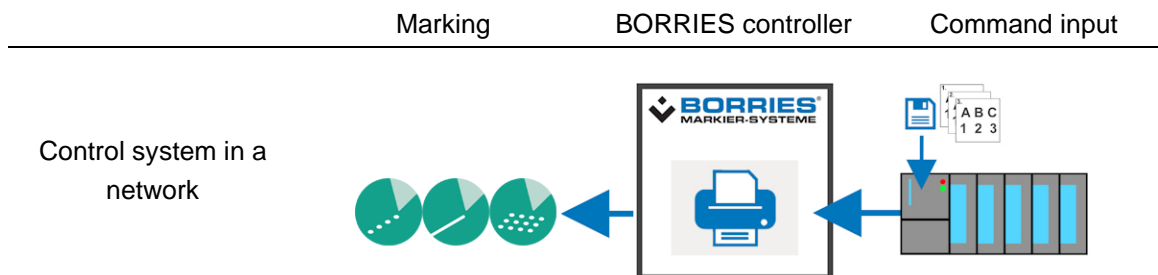
Layout mode







The marking data is managed within the marking controller. A layout (marking image) contains fields (rows) in which editable text, positions, font parameters and sequence instructions for the marking process are stored. Several layouts can be created and marked. The marking system can act independently or be operated by a higher level control system.

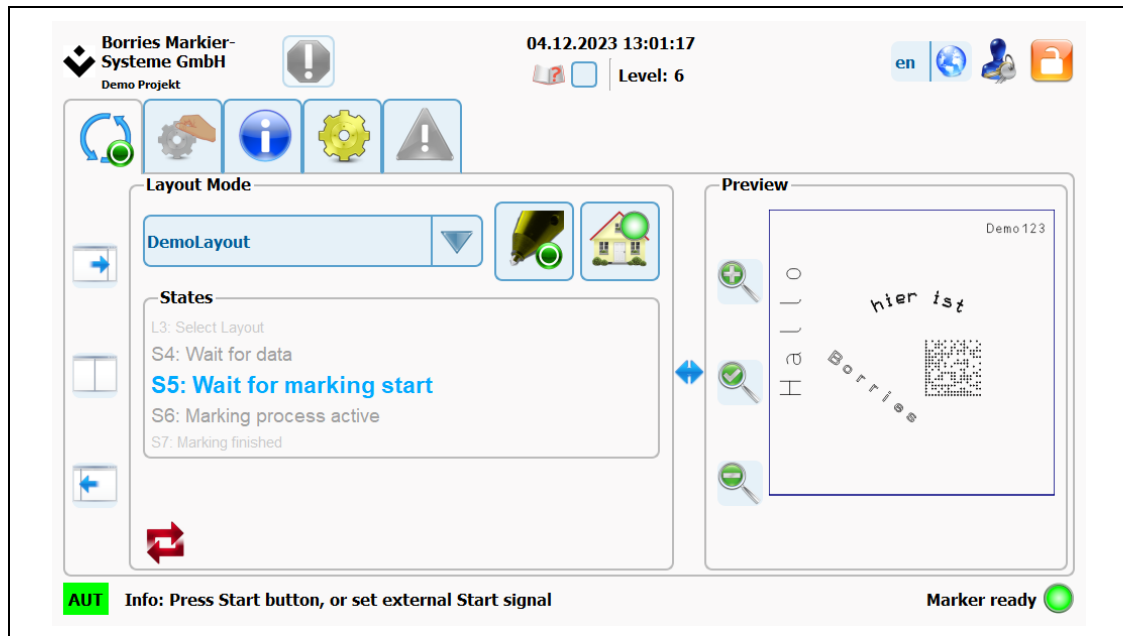


Printer mode

A higher level controller assumes control of the marking process here. All marking data (positions, texts, font parameters, handling commands) are managed in the higher level control system only and sent to the marking controller.



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Basic functions

- 15 character sets for dot, scribe marking, special characters, logos, 2 customisable character sets and data matrix code (ECC200, GS1)
- Configurable font parameters:
 - Character height
 - Character width
 - Text width
 - Angle
 - Arc
 - Character spacing
 - Marking direction
 - Alignment of the text

And many other configuration options

- Square with up to 52 x 52 dots and rectangular data matrix codes with 16 x 48 dots
- Optimised path calculation for scribe marking – fast, attractive marking; reduced energy consumption
- Creation of date and time functions with customisable output format
- Counters and serial numbers, parametrisable counter algorithms: Start value, step width, reset value, counter limit, format check
- Global variables for use in multiple layouts
- Graphical user interface
- Graphical preview when creating, processing and marking images (layouts)
- Operation via touch display
- User interface with language switching
- Password functions

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- Control of up to three motor axes
- Set-up assistance ("Teach-In")
- Absolute or relative positioning to the previous field
- Status display and control of the digital inputs and outputs
- Data receipt via interface (STX/ETX, configurable start and end characters)
- Acceptance of external full or partial data
- Unlimited number of layouts
- Automatic layout selection using external data
- Configuration directly via the user interface without an external PC or software
- Data backup per USB stick
- Software update or installation per USB stick
- Screen saver – screen switches off when inactive to reduce energy consumption
- Content on the user interface can be rotated by 180 degrees by changing the mounting variant
- Interfaces available in standard version:
 - Ethernet TCP/IP
 - RS232 (for barcode reader)
- Options (functions in combination with additional hardware components)
 - Interfaces:
 - Profinet
 - Ethernet/IP
 - Profibus
 - Easy integration or modification of fieldbus interfaces via configuration
 - Touch-on function: Tolerance compensation for a constant distance to the workpiece surface
 - Use of a barcode reader
 - Workpiece clamping
 - External operating console with emergency stop, acknowledge fault, home position and start marking
 - Configurable start conditions
 - Configurable workpiece queries

Other functions on request.

Subject to technical changes.