● Conventional marking technology

● Scribe, stylus and dot-peening marking technology

● Type-wheel marking technology

● Laser-marking technology

Traceability

Special-purpose machines

BORRIES®
MARKING-SYSTEMS

Marking controller BMC PushPull

Technical data sheet

- Universal marking controller in a compact housing
- Suitable for all 2-axis marking systems
- Compatible with scribe, dot peen and stylus marking processes, including DataMatrix codes
- Integrated graphical 7" touchscreen (capacitive)
- VisuMark software
- Software updates and data backup via Ethernet or USB
- PushPull connection technology

Marking controller BMC PushPull

Application area

The marking controller can be used in marking stations with either manual or automated workpiece handling.

Version 1:

The marking controller can be integrated into the station's main control system and is equipped with the VisuMark software. The marking data is provided by the higher-level control unit, which also manages the complete marking process.

Version 2:

The marking data is entered directly into the marking controller and transferred to the marking device. Adjustment of stored parameters – including marking texts and positions, as well as teach-in of marking positions – and system configuration are carried out via the graphical user interface, which provides a preview of the marking layout.

BORRIES
MARKING CONTROLLER

HIGHER-LEVEL
CONTROL

SPS

BMC PushPull
2-AXIS CONTROLLER

STANDARD
INTERFACES:

◆ Profinet

◆ Ethernet/IP

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Technical data

Feature	Specification / Unit / Description
Dimensions	330 x 200 x 120 mm
Application	All 2-axis systems, suitable for wall mounting
Standard power supply	Wide-range power supply (100 – 240 VAC, 50/60 Hz) integrated in the controller
Power supply LED indicator	Yes
Power consumption	240 W
Back-up fuse rating	Min. 6 A/max. 16 A
Ambient temperature Heat dissipation via housing	0 to +40 °C
Protection class	At least IP54, dust and splash-proof
Weight	Approx. 5,5 kg
Cable length (marker to controller	Up to 15 m, suitable for drag chains and robots appl.
Max. number of motor axis	2
System interface	Ethernet (USB optional)
Data interface	Profinet, Ethernet/IP, PushPull connectors (IP65)
Real-time clock, buffered	Yes
Emergency stop function	Integrated emergency stop circuit, safety relay included in the controller (alternatively, emergency stop via external safety relay possible)
Display	Fully graphical 7" capacitive touchscreen integrated in the housing cover
Safety-related parameters	B10d = 450,000 cycles (Sistema library available)
USB stick with back-up software	Yes

Subject to technical changes.

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