# Workshop unit 320 EcoMark

## Technical data sheet

- Universal and flexible marking unit for direct part marking

- Designed for individual and small batch production

- Marking area 120 x 100 mm (X/Y)

- X/Y-axes of the coordination unit with precise linear slides

- Drive is provided by stepping motors and ball spindle drives

- Available marking processes: scribe, stylus and dot marking

- DataMatrix Coding (ECC 200)

## Application area

The 320 EcoMark is a compact workshop unit for permanent, flexible markings on almost every material. With this product BORRIES offers you best technology in a low-wear and easy to maintain design for a low and unrivalled price. The big marking area offers the opportunity to mark texts with one or more lines, in free scalable size. Markings of angles and circular arcs are also possible as well as date, time and consecutive numeration. The marking data can be easily entered via the included BORRIES marking software "VisuWin SE". A graphical user interface enables a quick installing and adapting of marking pictures (layouts).

## Options

- With the help of the unique quick changing device the marking unit is easily converted to a different marking head.

- An easy and quick way of entering the marking data is the optional membrane keyboard with integrated display and the included BORRIES marking software "Keyboard Macro".

# Technical Data

| Property | Measure, Unit, Explanation | CO* | AO* |
|---|---|---|---|
| • Measurements marking unit with table and column (W x D x H) | ca. 350 x 440 x 640 mm | | |
| • Marking area (X, Y) | 120 x 100 mm | X | |
| • Weight | ca. 35 kg | | |
| • Marking speed (depending on character size and shape, marking process and motorisation) | ca. 1 - 3 characters/ second | | |
| • Character height | free scalable from 0.5 mm | X | |
| • Documentation | German, English or French<br>more languages | X | X |
| • Penetration depth marking tip (depending on marking head, marking process and material) | ca. 0.01 – 0.2 mm (see data sheet marking heads) | | |
| • Noise level with scribe markers | max. 75 dB(A) (depending on the marking material and operating pressure) | | |
| • Distance from table to tool point | 0 - 200 mm adjustable | X | |
| • Font<br><br>• Optionally different fonts | DIN 1451, 7 x 5 DotMatrix<br>DataMatrix<br>See separate data sheet | X | X<br>X |
| • Marking direction | Straight line, angle or circular arc | X | |
| • Manual plate module | for plates up to 120 x 100 mm | | X |
| • Requirements PC/ operating system | Pentium 800 MHZ, CD-Rom drive, min. 32 MB Ram, from Windows 2000 on | | |
| • Barcode Scanner | Code 39 (preset)<br>Transfer: STX/ETX (preset) | | X |
| **Media supply** | | | |
| • Power supply with connecting cable | 230 V AC ±10 %, 50/60 Hz or<br>115 V AC ±10 %, 50/60 Hz | | |
| • Pneumatic connection (input pressure) technically conditioned compressed air | Min. 5 bar (min. 75 psi)<br>dried, oil-free, filtered with 50 µm | | |

*) CO = construction option, will be defined by placing of order – no additional charge; AO = additional option, can be ordered additionally – additional charge

Workshop unit 320 EcoMark
with the optional membrane keyboard

Technical details are subject to change.