

# UMC Box Controller

For direct, durable and flexible part marking of most different materials and designs with arbitrary text, logos and 2D codes.

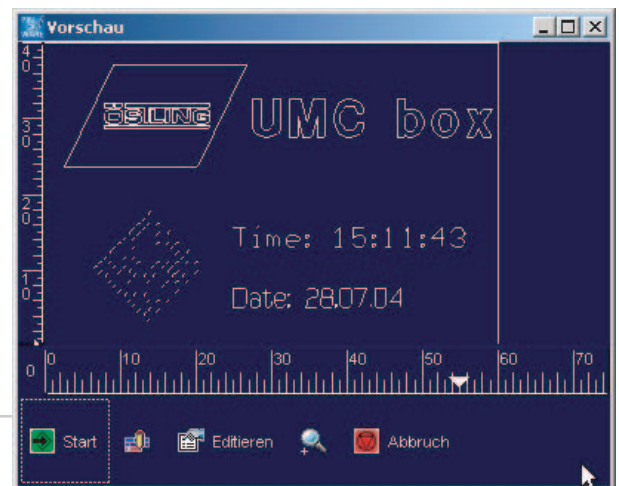


## Technical data control

<b>Computer:</b>	external PC (not included in delivery)
<b>Memory:</b>	on external PC (not included in delivery)
<b>Motor drive:</b>	2 axis motor control for bipolar drive of 2 phase stepping motors
<b>Outputs:</b>	8 digital outputs, electrically isolated, 24 V overall current via integrated power supply max. 0.5 A
<b>Inputs:</b>	8 digital inputs, electrically isolated
<b>Display:</b>	external colour display (not included in delivery) 1024 x 768 pixel min.
<b>Keyboard:</b>	compact integrated keypad or external standard PC keyboard
<b>Dimensions</b>	(Width x Depth x Height): approx. 310 x 176 x 75 mm (without plugs and cables)
<b>Weight:</b>	approx. 2.5 kg

### Minimum requirement

external PC:  
interface: RS-232  
Windows 2000 or XP  
1 GHz clock frequency  
512 MB RAM  
1024 x 768 pixel screen resolution avec 65K colours



## Technical data software

<b>File management:</b>	in external PC
<b>Data transfer:</b>	TCP/IP (Windows)
<b>Interface for control:</b>	RS-232
<b>Mask:</b>	31 text fields with 50 characters each
<b>Character fonts:</b>	Standard character font 'litt.chr' according to DIN 1451, other on request (e.g. OCR A) character fonts on BGI base can be used
<b>Character height:</b>	0.5 - 99.9 mm, arbitrary
<b>Character spacing:</b>	0 - 10 mm, arbitrary
<b>Character width:</b>	width factor arbitrary between 0.1 and 10

### Marking area

**positioning:** Move the needle to the marking position and save this position (teach in) or put in the coordinate values.  
Graphic display of all marking data as preview and visualisation during the marking (WYSIWYG: "what you see is what you get").

**Character direction:** horizontal, vertical and at any angle on any arc, clockwise or anti-clockwise

**Additional functions:** continuous numbering, automatic date, week, day of the year, month, da, time, shift index

**Special characters:** query of text (also with bar code reader) e. g. before each marking

**Process control:** import of HPGL plotting files (\*.plt), scaling arbitrary 2D code (datamatrix)

plain text and graphic display of the active function status signals on digital I/O level



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