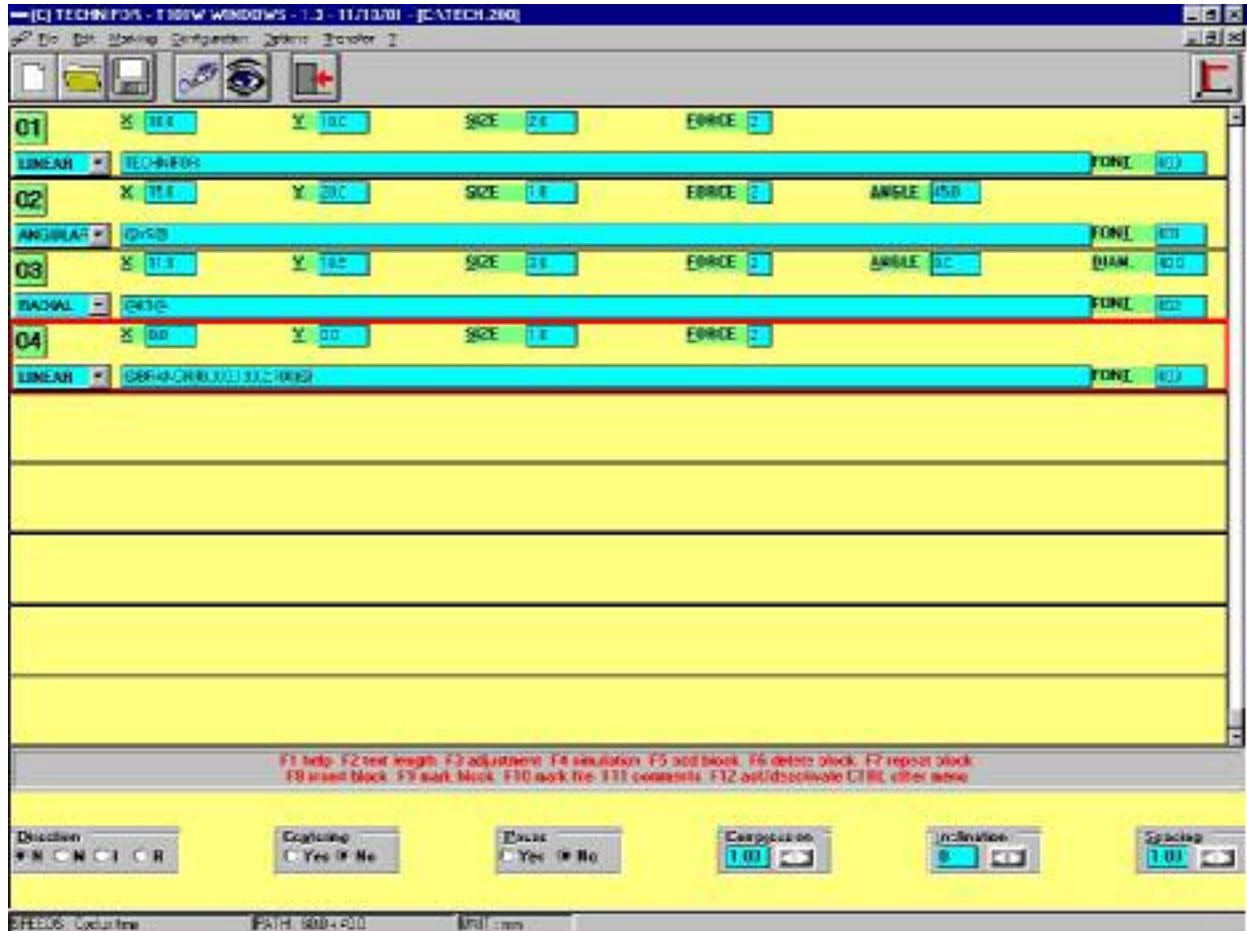




Functional description of the standard marking software T101W V1.7 (link to the UC112 / UC122 and machine including this board)



1. General presentation

- The standard marking software T101W allows:
 - The programming files for the marking of:
 - Fixed text
 - Variable text:
 - date (with fixed or personalized formats)
 - counter (incrementation, decrementation)
 - Logos
 - 2D code Data Matrix ECC200 (option available according to the head)
 - Import data from CSV and Excel 5.0 file
 - Transfer of marking files between the memory of the machine and the memory of the computer (Backup / Restore).
- It works with a PC computer under Windows® environment.
- Data is sent through a serial connection RS232.

2. Minimal configuration requirements

System	Windows 98		Windows NT4		Windows 2000	
Details	Minimum	Recom- mended	Minimum	Recom- mended	Minimum	Recom- mended
Processor	Pentium 133	Pentium 2 233	Pentium 133	Pentium 2 233	Pentium 133	Pentium 2 233
RAM (Mb)	32	64	32	64	64	128
Graphics resolution (pixels) width*height*nb of colours	800*600 *256	1024*768 *65536	800*600 *256	1024*768 *65536	800*600 *256	1024*768 *65536
Hard drive (Mb)	1024	2048	1024	2048	2048	>2048
Necessary space on hard drive for each software(Mb)	20	---	30	---	30	---
Nb of necessary serial ports (without option)	1	1 if PS2 mouse in use 2 if serial mouse in use	1	1 if PS2 mouse in use 2 if serial mouse in use	1	1 if PS2 mouse in use 2 if serial mouse in use
Nb of necessary serial ports (with options)	2	2 if PS2 mouse in use 3 if serial mouse in use	2	2 if PS2 mouse in use 3 if serial mouse in use	2	2 if PS2 mouse in use 3 if serial mouse in use
Parallel port	Yes	Yes	Yes	Yes	Yes	Yes
A:\ Drive (Floppy Disk)	3"1/2	3"1/2	3"1/2	3"1/2	3"1/2	3"1/2
CD ROM	Yes	Yes	Yes	Yes	Yes	Yes
Mouse compulsory	No	Yes	No	Yes	No	Yes

Works with Windows 95, 98, NT 4.0, 2000, XP

The minimum hardware requirements for Windows XP Home Edition are:

- Pentium 233-megahertz (MHz) processor or faster (300 MHz is recommended)
- At least 64 megabytes (MB) of RAM (128 MB is recommended)
- At least 1.5 gigabytes (GB) of available space on the hard disk

3. Software functionalities

3.1. Personalization


- Choice of the language (see the list page 5)
- User level : Operator or Supervisor (protected by a password)
- Password
- Unit (mm ou inch)
- Colors

3.2. Block type

- Text :
 - ◆ Linear
 - ◆ Angular
 - ◆ Radial
- Data Matrix (option available according to the head)
- Logos
- Management of a third axe (Rotary Device DMC) to mark circular parts (option available for the CN101 machine and UC122 only)
- Management of a motorized Z axis (only with the UC122 option)

3.3. Management of Inputs / Outputs

(function available for CN110, UC112 & UC122 machine only)

- BRANCH (file selection)
- Mark text depending on the state of an input, in a marking file
- JUMP : the program will skip to a block in the marking file
- Activation / Disactivation of outputs
- Menu for the visualization of the inputs and outputs and toggle the state of the outputs
-  [Additional external 8I/8O board for UC112 & UC122](#)

3.4. Internal block functions

- Adjustable delay between blocks (DELAY)
- Marking of simple shapes (**only with pneumatic machine**):
 - ◆ Circle or ellipsis (CI)
 - ◆ Line (LI)
 - ◆ Rectangle (RE)

3.5. Characters style controls

- Marking direction:
 - ◆ Standard
 - ◆ Inversed
 - ◆ Mirrored
 - ◆ Reflected
- Centering
- Compression / Expansion
- Inclination
- Spacing between characters

3.6. Marking controls

- Standard
 - ◆ Marking 1 part
 - ◆ Marking N part
 - ◆ Infinite marking
- Independent (disconnection of the PC) (only with CN110, UC112 & UC122)
 - ◆ Infinite marking
- Independent with Input / Output board (only with CN110, UC112 & UC122)
 - ◆ File selection, function of the state of the inputs
- Graphic simulation:
 - ◆ File preview
 - ◆ File modification
 - ◆ Activation of marking from the preview :
 - marking simulation
 - marking 1 block
 - marking 1 file

3.7. Adjustable parameters

- Speed, priority to :
 - ◆ quality
 - ◆ intermediate
 - ◆ cycle time
 - ◆ Personalization of marking and movement speed (speeds are stored in the marking file)
- Force (depth)
- Date and hour (CCU clock)
- Variables
 - ◆ 8 Counters, numeric or alphanumeric, with the possibility to reset them at each new: year, month, day, hour, minute, shift (possibility to display the state of the counters and variables during the marking) (one on the eight counter is saved in the marking file)
 - ◆ 10 alphanumeric variables (with separation "multicriteria" of the string received)
 - ◆ Shift codes (Q), parameterable by the day of the week (until 5 shift codes per day)
 - ◆ Dates and hours function of the CCU clock, with these following keywords:
 - DD - MM - YYYY - YY - Y - hh - mm - ss - WW – CCC
 - m (first digit of the minute)
 - and personalized formats DS (day of the week), JS (month day), MS (month) and YS (year)
 - ◆ Setting of the hour to change the CCC code (julian day)
- Programs link to the I/O board (only with CN110, UC112 & UC122)
- Choice of a font

3.8. Miscellaneous functions


- Visualization of the memory capacity
- Downloading of logos:
 - ◆ HPGL file
 - ◆ DXF → HPGL conversion tool
 - ◆ Dot by dot logo: definition of the number of dots per mm when the HPGL logo is downloaded
- Downloading of personalized fonts
- Transfer marking files between the memory of the machine and the memory of the computer (Backup / Restore) and system variables (counters, shift codes, ...)

- Off limit control
- Marking simulation (actual stylus movement without marking the part):
 - ◆ Of the file
 - ◆ Of the block
- Visualization of the log file, link to the CB command
- Setting of the display, using the "Data reception" via RS232 link option
- Setting of the point wear counter (operates with pneumatic and electromagnetic machines)
- Setting of the motorized Z axis ZA322
- Import data from CSV and Excel 5.0 file (limitation of 25 blocks)

3.9. Short-cut functions

- | | |
|--|--|
| <ul style="list-style-type: none"> ▪ Help ▪ Text length ▪ Dynamic adjustment of the stylus (with the arrows keys of the keyboard) ▪ Marking simulation (actual stylus movement without marking the part) ▪ Adding a block ▪ Deleting a block | <ul style="list-style-type: none"> ▪ Copy a block ▪ Insert a block ▪ Marking a block ▪ Marking file ▪ Comments ▪ Activating / deactivating a block ▪ Global shift |
|--|--|

3.10. Languages

<u>Available</u>	<u>Qualified</u>	<u>Language</u>	<u>Available</u>	<u>Qualified</u>	<u>Language</u>
1.7	<input checked="" type="checkbox"/>	French	1.7	<input checked="" type="checkbox"/>	Finnish
1.7	<input checked="" type="checkbox"/>	English	no	<input checked="" type="checkbox"/>	Swedish
1.7	<input checked="" type="checkbox"/>	German	1.7	<input checked="" type="checkbox"/>	Polish
1.7	<input checked="" type="checkbox"/>	Italian	no	<input type="checkbox"/>	Norwegian
1.7	<input checked="" type="checkbox"/>	Brazilian (Portuguese)	1.7	<input checked="" type="checkbox"/>	Danish
1.7	<input checked="" type="checkbox"/>	Spanish	no	<input type="checkbox"/>	Chinese
1.7	<input checked="" type="checkbox"/>	Dutch	no	<input type="checkbox"/>	Korean
1.7	<input checked="" type="checkbox"/>	Czech	1.7	<input checked="" type="checkbox"/>	Japanese (special version)
1.7	<input checked="" type="checkbox"/>	Russian 	no	<input type="checkbox"/>	Taiwanese

Technical characteristics of the internal T01 program for UC112 & UC122 (and compatible CCU)

