



# Tutorial

**T8-/T8-2 Control Unit**  
**New Functions**  
**04.04.2014**



Version 1.0 - 2014

Subject to change!  
Änderungen vorbehalten!

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# 1. T8-/T8-2 New Functions

## NOTICE

All discribed functions of the control unit T8-/T8-2 will be started at the Base Screen (BS).

Figure 1.1:  
T8-/T8-2 Base Screen



The keys used in the function descriptions are shown in the above T8-/T8-2-figure.

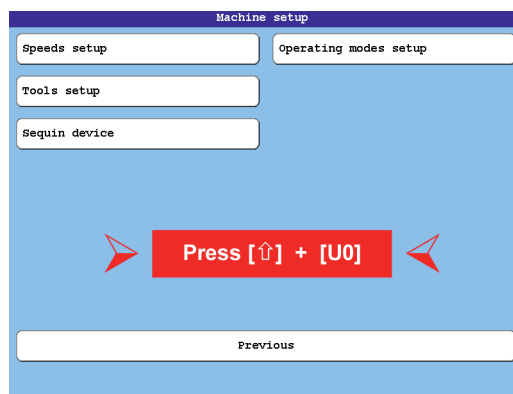
## 1.1 Adjust the number of slow start stitches after thread cutting

The number of slow stitches after thread cutting is now adjustable. For a secure start sequence after thread cutting the start stitches will be splitted. The function *Slow Start Stitches* determines how many start stitches will be stitched slow speed.

Key sequence: GB => [L2] => [Shift] + [U0] => [L5]

- Press **[L2]** *Machine setup*.

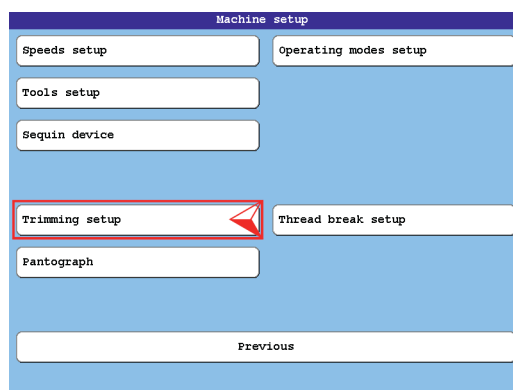
Figure 1.2:  
Dialog:  
Machine setup



- Press key combination **[Shift] + [U0]**.

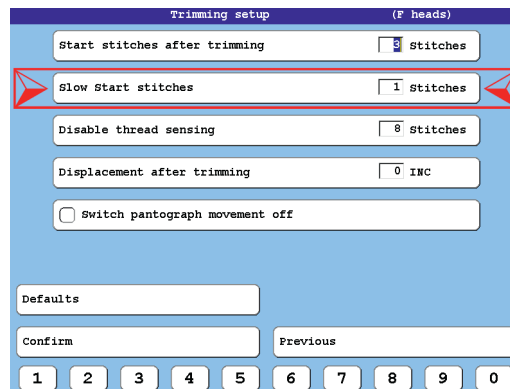
⇒ The extended dialog *Machine setup* will fade in.

Figure 1.3:  
Dialog:  
Machine setup



- Press **[L5]** *Trimming setup*.

Figure 1.4:  
Dialog:  
Trimming setup

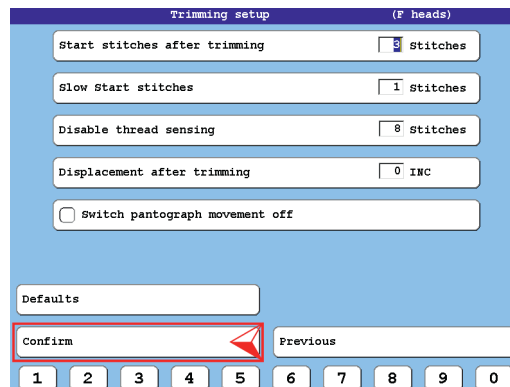


The dialog box is titled "Trimming setup" and "(F heads)". It contains the following fields and controls:

- Start stitches after trimming:** A numeric input field showing "5 Stitches".
- Slow Start stitches:** A numeric input field showing "1 Stitches". This field is highlighted with a red rectangle and red arrows pointing to the left and right sides.
- Disable thread sensing:** A numeric input field showing "8 Stitches".
- Displacement after trimming:** A numeric input field showing "0 INC".
- Switch pantograph movement off:** A checkbox that is currently unchecked.
- Defaults:** A button.
- Confirm:** A button.
- Previous:** A button.
- Keypad:** A row of buttons labeled 1 through 0.

- Press **[L2]/[R2]** *Slow Start stitches* and type in the number of wanted slow start stitches with keys **[U1] – [U0]** in the input box.

Dialog:  
Trimming setup



This is the same dialog box as in Figure 1.4, but with the **Confirm** button highlighted by a red rectangle and a red arrow pointing to it from the right.

- Press **[L8]** *Confirm* to adopt the changes.

## 1.2 Support of DataCollector and MY.ZSK

The Information Management System MY.ZSK captures and organizes operating data. The current operating data can always clearly be analyzed and utilized online.

An existing MY.ZSK System can now be connected to the machine.

Key sequence: GB => [L3] => [R3]

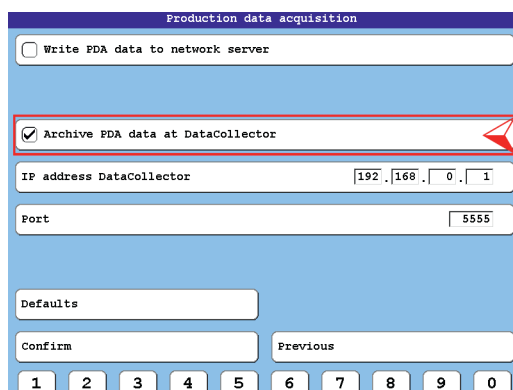
- Press **[L3]** *Service*.

Figure 1.5:  
Dialog:  
Service



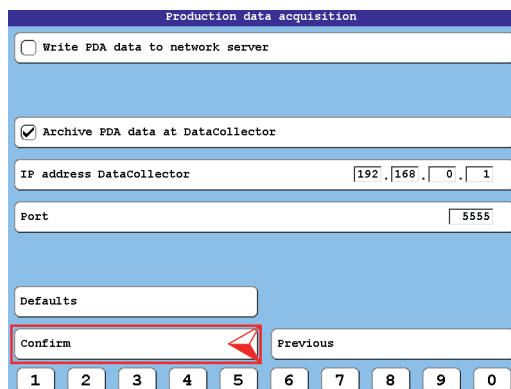
- Press **[R3]** *Production data acquisition*.

Figure 1.6:  
Dialog:  
Production data  
acquisition



- Press **[L3]/[R3]** *Archive PDA data at DataCollector* to activate the function.

Dialog:  
Production data  
acquisition



- Press **[L8] Confirm** to adopt the changes.

## 1.3 Extended user administration

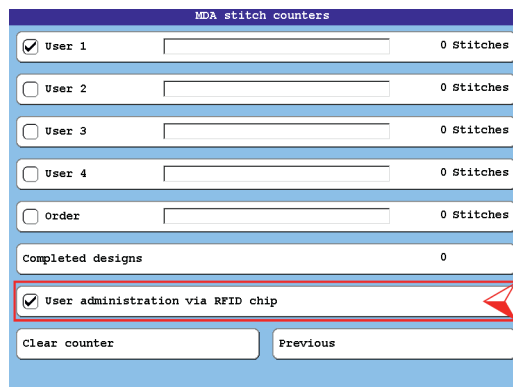
Additional to the normal management (User 1-4) user data can be taken over with RFID chips. More than 4 users can be registered with RFID Chips. The unknown new user will generally be registered as user 4 and existing data of user 4 will be overwritten.

Key sequence: GB => [U4] => [L7]

### 1.3.1 Activate user administration via RFID Chip

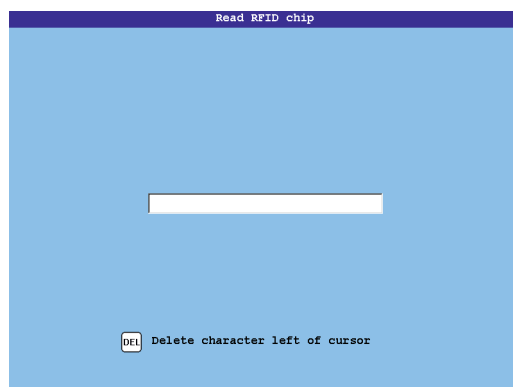
- Press **[U4]** *MDA Stitch counter*.

Dialog:  
MDA Stitch counters



- Press **[L7]/[R7]** *User administration via RFID Chip* to activate the function.

Figure 1.7:  
Dialog:  
Read RFID chip



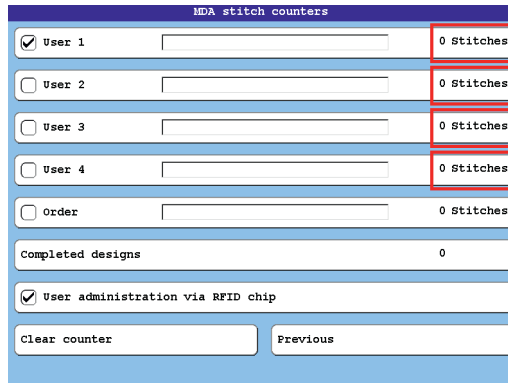
- With key **[OK]** or **[ESC]** the dialog *Read RFID chip* will be interrupted and the dialog *MDE Stitch counter* fades in again.
  - Hold the RFID Chip in front of your chip reader and scan the user code.

⇒ The scanned user will be installed as **User 4** and the dialog *MDE Stitch counter* fades in again.



### 1.3.2 Install User 1-4

Figure 1.8:  
Dialog:  
MDA Stitch counters

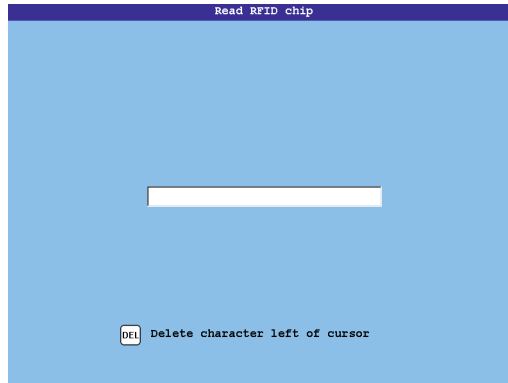


The dialog box titled "MDA stitch counters" contains the following elements:

- Four rows for users: "User 1", "User 2", "User 3", and "User 4". Each row has a checkbox on the left, a text input field in the middle, and a "0 Stitches" label on the right. The "User 1" checkbox is checked.
- An "Order" row with a checkbox, a text input field, and a "0 Stitches" label.
- A "Completed designs" row with a text input field containing the value "0".
- A "User administration via RFID chip" row with a checked checkbox.
- Two buttons at the bottom: "Clear counter" and "Previous".

- Choose an user and press the corresponding key **[R1]**-**[R4]**.

Figure 1.9:  
Dialog:  
Read RFID chip



The dialog box titled "Read RFID chip" features a large blue background with a white horizontal bar in the center. At the bottom, there is a small icon of a keyboard key labeled "DEL" followed by the text "Delete character left of cursor".

- Scan the user's RFID Chip.

Figure 1.10:  
Dialog:  
Enter user name

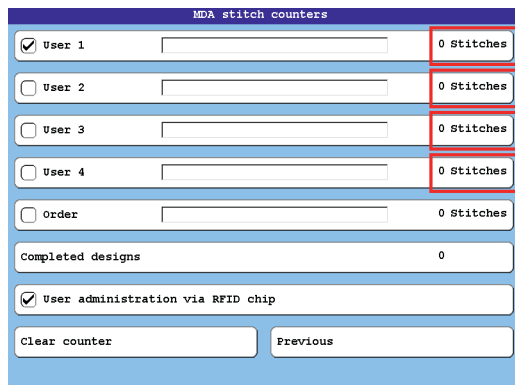


The dialog box titled "Enter user name" has a blue background. It includes a central white text input field. On the left and right sides, there are columns of small buttons labeled with letters from 'a' to 'z'. At the bottom, there are three rows of buttons: the first row contains "TAB", "Switching to other characters", and "DEL"; the second row contains "Switching to capital letters"; and the third row contains "Delete character left of cursor".

- Type in an user name.
- If you don't want this, interrupt the dialog with key **[OK]** or **[ESC]**.  
⇒ Only the RFID identifier will be installed.

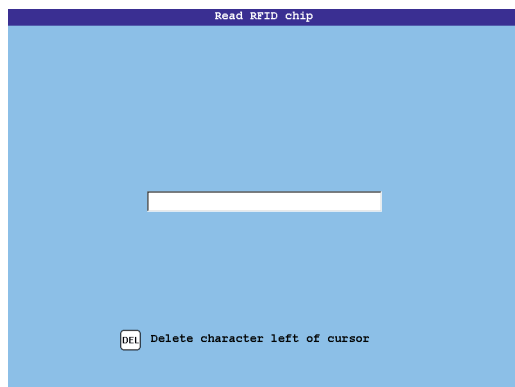
### 1.3.3 Delete User

Figure 1.11:  
Dialog:  
MDA Stitch counters



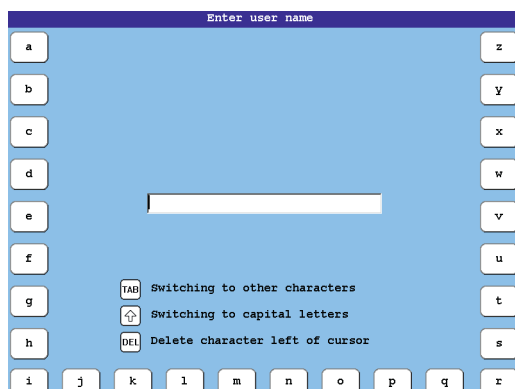
- Choose an user and press the corresponding key **[R1]-[R4]**.

Figure 1.12:  
Dialog:  
Read RFID chip



- Confirm the dialog *Read RFID chip* with key **[OK]** without scanning the chip.

Figure 1.13:  
Dialog:  
Enter user name

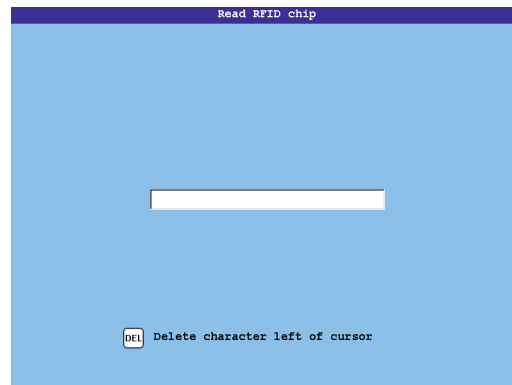


- Confirm the dialog *Enter user name* with key **[OK]** without typing in the name.

### 1.3.4 Register user with RFID Chip

- Press **[U4]** *MDA Stitch counter*.

Figure 1.14:  
Dialog:  
Read RFID chip



- Scan the corresponding RFID Chip in the dialog *Read RFID chip*.
  - ⇒ If the RFID Chip is preassigned to an user, this user will be activated and the base screen fades in again. The RFID identifier and the name are shown in the title bar.
  - ⇒ If the RFID Chip is unknown, he will be listed and activated under User 4. For checking purposes the dialog *MDE Stitch counter* stays indicated. The dialog can be fade out with keys **[R8]**, **[OK]** or **[ESC]**. The RFID identifier will be shown in the title bar of the base screen.

## NOTICE

If the Simple User Interface is activated, the functions to register and delete an user as well as to clear the counters are not available.

## 1.4 Deactivating Silk stitch functionality

The Silk stitch functionality can now be generally switched off.

When the function *Silk stitch off* is deactivated a variable pantograph start is used. According to the embroidery speed and stitch length a new pantograph start will be assigned.

With activated function *Silk stitch off* a constant pantograph start is used.

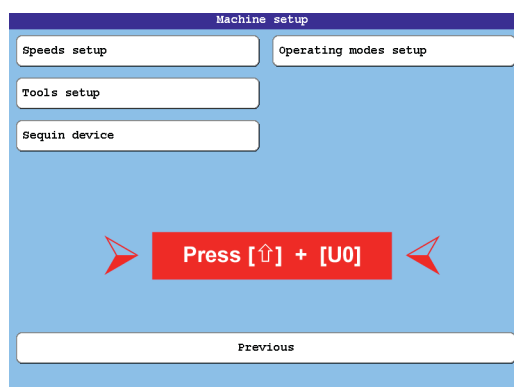
### NOTICE

To change the function Silk stitch off the current design has to be closed, respectively no design may be loaded into the machine.

Key sequence: GB => [L2] => [Shift] + [U0] => [L6] => [R7]

- Press **[L2] Machine setup**.

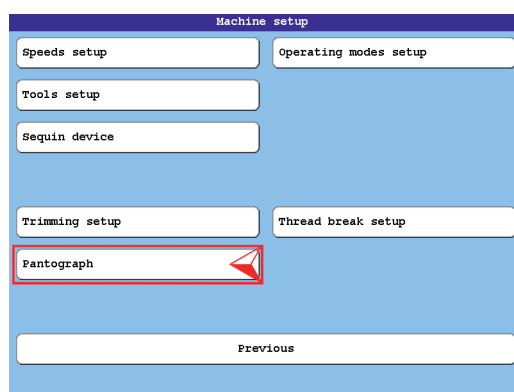
Figure 1.15:  
Dialog:  
Machine setup



- Press key combination **[Shift] + [U0]**.

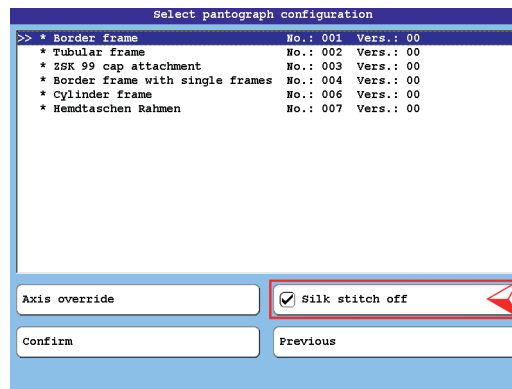
⇒ The extended dialog *Machine setup* will fade in.

Figure 1.16:  
Dialog:  
Maschine setup, expanded



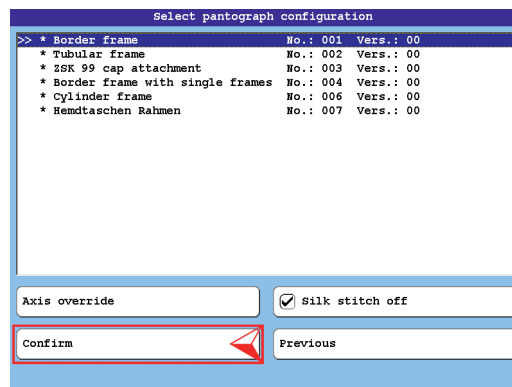
- Press **[L6] Pantograph**.

Figure 1.17:  
Dialog:  
Select Pantograph  
configuration



- 
- Press **[R7]** *Silk stitch off* to activate the function.
- 

Dialog:  
Select Pantograph  
configuration



- Press **[L8]** *Confirm* to adopt the changes.

## 1.5 Guideline functionality at Editor

The guideline functionality of the editor helps to position designs and applications.

Following options are available:

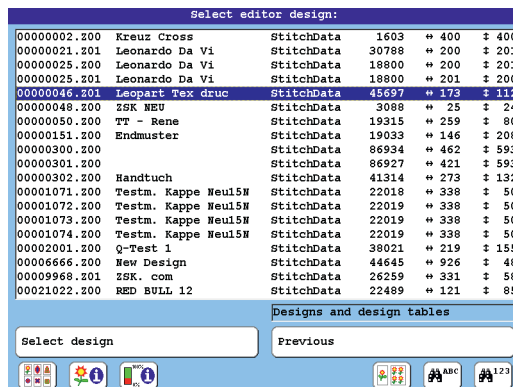
- Symmetric cross
- Asymmetric cross
- Rectangle
- Cap mode

After execution of the respective function a new design will be stored in the memory.

Key sequence: GB => [L5] => [ESC]

- Press **[L5] Editor**.

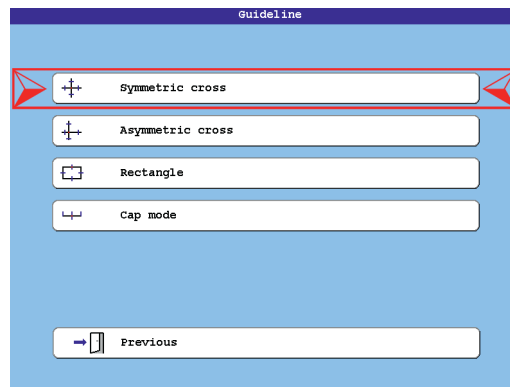
Figure 1.18:  
Dialog:  
Select Editor design



- Choose the wanted design.
- Press **[ESC]** to execute the function *Guideline*.

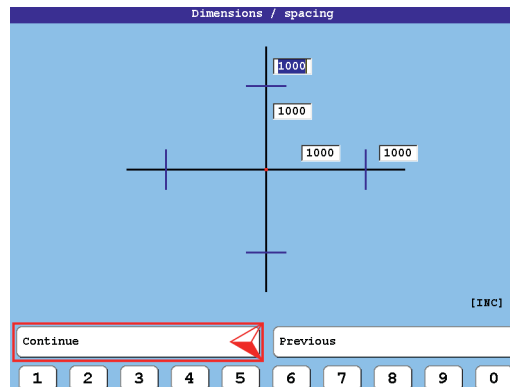
### 1.5.1 Symmetric cross

Figure 1.19:  
Dialog:  
Guideline



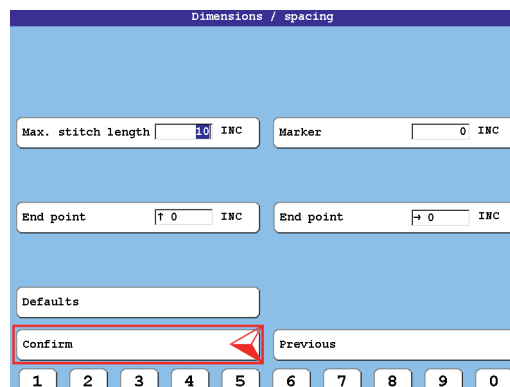
- Press **[L2]/[R2]** *Symmetric cross*.

Dialog:  
Dimensions / Spacing



- Make the wanted changes in the input fields with keys **[U1] - [U0]**.
- Press **[L8]** *Continue*.

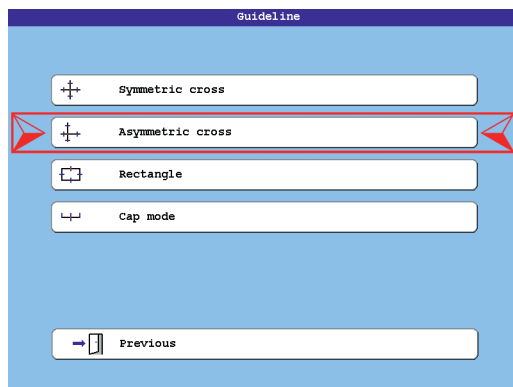
Dialog:  
Dimensions / Spacing



- Make the wanted distance and dimensional changes in the input fields with keys **[U1]-[U0]**.
- Press **[L8]** *Confirm* to adopt the changes and to return to the dialog *Create design*.

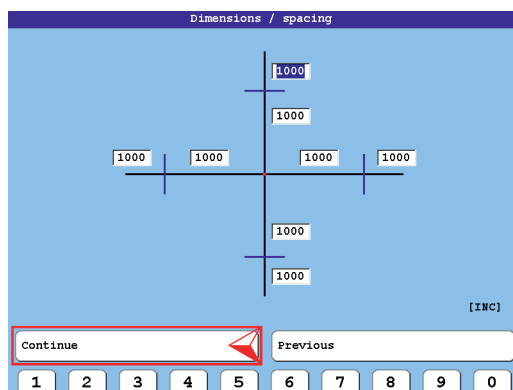
## 1.5.2 Asymmetric cross

Figure 1.20:  
Dialog:  
Guideline



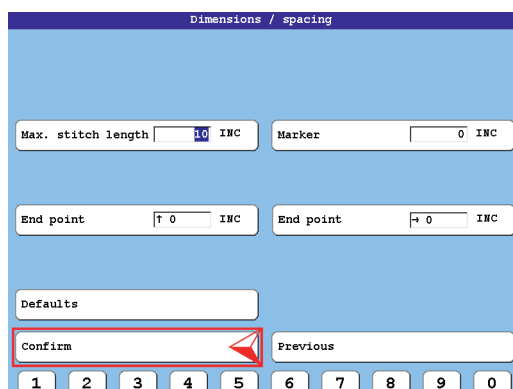
- Press **[L3]/[R3]** *Asymmetric cross*.

Dialog:  
Dimensions / Spacing



- Make the wanted changes in the input fields with keys **[U1]-[U0]**.
- Press **[L8]** *Continue*.

Dialog:  
Dimensions / Spacing

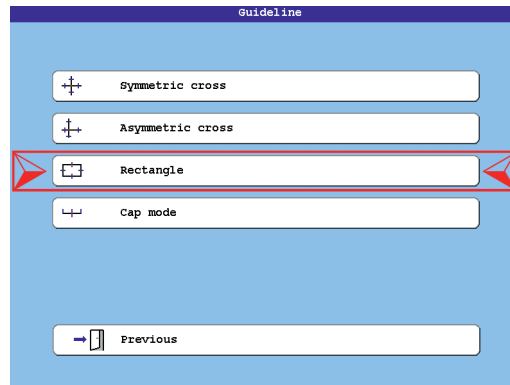


- Make the wanted distance and dimensional changes in the input fields with keys **[U1]-[U0]**.
- Press **[L8]** *Confirm* to adopt the changes and to return to the dialog *Create design*.



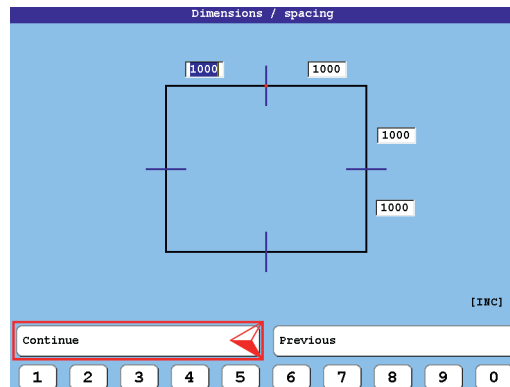
### 1.5.3 Rectangle

Figure 1.21:  
Dialog:  
Guideline



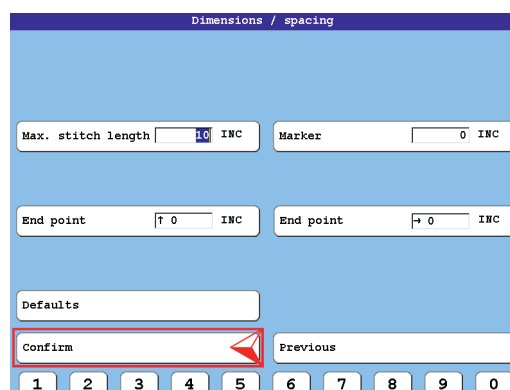
- Press **[L4]/[R4]** *Rectangle*.

Dialog:  
Dimensions / Spacing



- Make the wanted changes in the input fields with keys **[U1]-[U0]**.
- Press **[L8]** *Continue*.

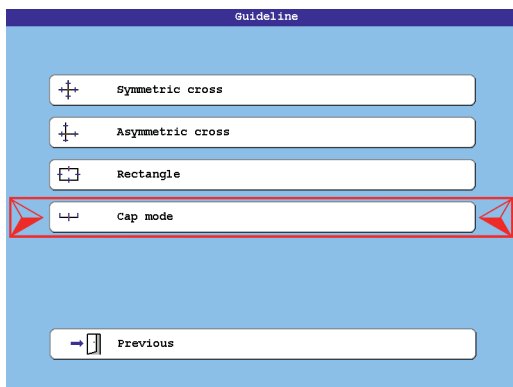
Dialog:  
Dimensions / Spacing



- Make the wanted distance and dimensional changes in the input fields with keys **[U1]-[U0]**.
- Press **[L8]** *Confirm* to adopt the changes and to return to the dialog *Create design*.

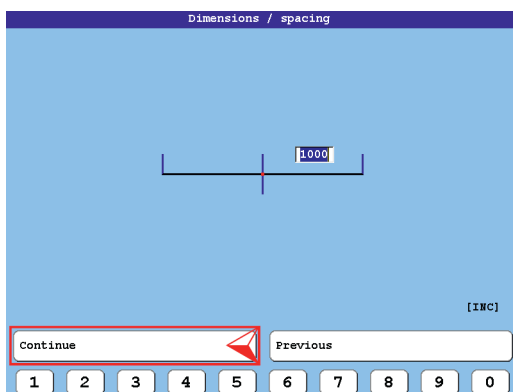
## 1.5.4 Cap mode

Figure 1.22:  
Dialog:  
Guideline



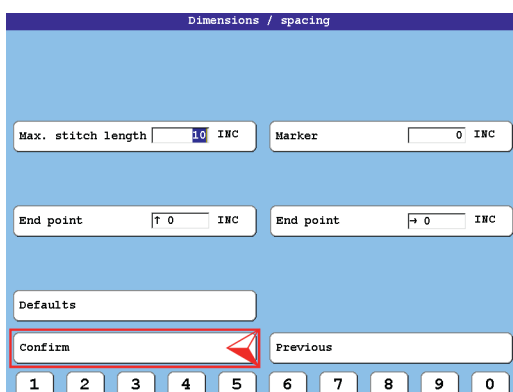
- Press **[L5]/[R5]** *Cap mode*.

Dialog:  
Dimensions / Spacing



- Make the wanted changes in the input fields with keys **[U1]-[U0]**.
- Press **[L8]** *Continue*.

Dialog:  
Dimensions / Spacing

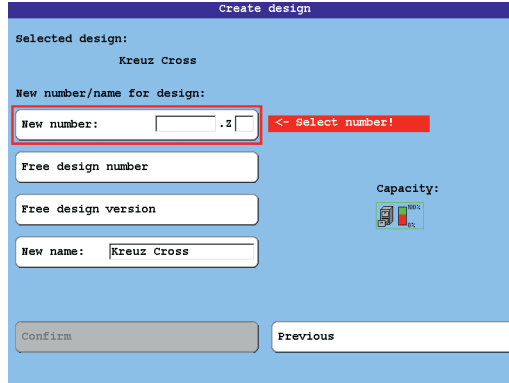


- Make the wanted distance and dimensional changes in the input fields with keys **[U1]-[U0]**.
- Press **[L8]** *Confirm* to adopt the changes and to return to the dialog *Create design*.

### 1.5.5 Create design

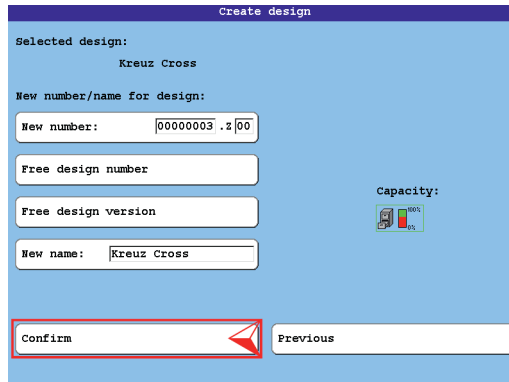
You will reach the dialog *Create design* after having completed the changes in the described guideline dialogs.

Figure 1.23:  
Dialog:  
Create design



- Press **[L3]** *New Number* betätigen.  
⇒ The input fields for the new design number will be activated.
- Type in a new design number.

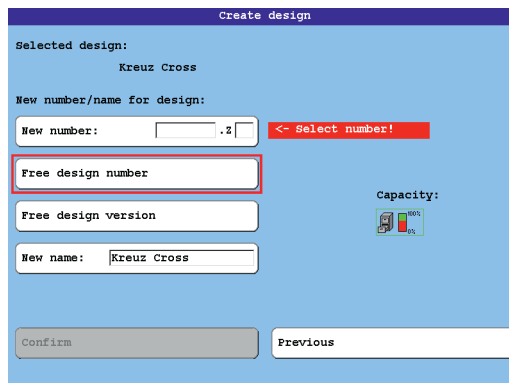
Figure 1.24:  
Dialog:  
Create design



- Press **[L8]** *Confirm* to adopt the changes.

Alternatively you have the possibility to automatically create a design number:

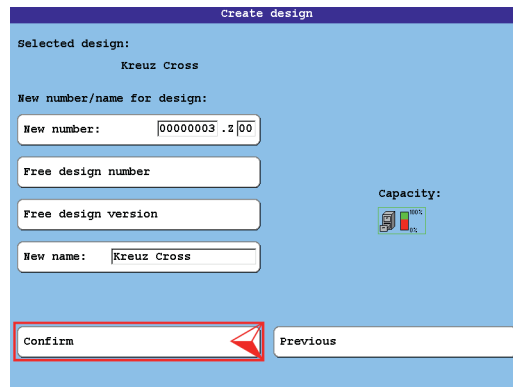
Dialog:  
Create design



- Press **[L4]** *Free design number*.

- ⇒ The new design number will be set automatically through the software and will be faded in.

Dialog:  
Create design



- Press **[L8]** *Confirm* to adopt the changes.

## 1.6 Additional changes

### 1.6.1 Software changes

#### Embroidery speed settings

When changing the embroidery application the adjustment of embroidery speed will be kept and no longer reset to the maximum speed.

#### Length of file identification

It is now possible to load external design codes with long file names (**not design names**) from USB-Stick or network. The maximum file name length is up to 150 characters.

### 1.6.2 machine processes changes

#### Application key

Contrary to its former mode of operation and for safety reasons the application key now starts its function after an activity length of 1 second.



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