

# MANUAL

Operating instructions for

**ERGO CONTROL**  
**150 E**

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# POWER CONNECTION

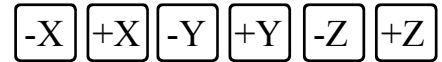
The power is brought into the top of the electric cabinet (see below).

The incoming power lines are connected to the terminal strip marked L1,N and  $\underline{\underline{\perp}}$  (ground).

Once the cable is connected start the machine with the main switch on the control panel.

# MANUAL OPERATION

When the workpiece is fastened, operate the positioner by pressing the foot pedal and the motion buttons:



# ZERO CALIBRATION

Before programming the positioner, it must be zeroed (calibrated).

Move the X-axis to it's upper mechanical stop.

Move the Y- and Z-axis to the known mark .

Press the  button and "Cal" lights up.

**THE CALIBRATION IS READY !**

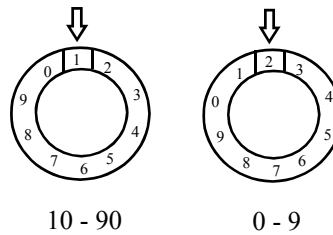
Zeroing must be performed each time the main power has been switched off (or after a power failure).

# PROGRAMMING

1. Set the key switch to  **PROG.**

2. Select a number (program) with the program selector.  
 ("Empty" lights up if no position is programmed)


Example, program "12":



3. Move the machine to the position with the foot pedal and motion buttons

wanted

4. To store the position press      

5. Select new positions as in  step 3 and 4 until your program is ready.

## To ensure safe operating:

Try to get the first and the last position, in all your programs, to be approx. the same.

# ADD A POSITION TO THE PROGRAM

1. Set the key switch to  PROG.

2a. **Example:** step to position 4 with the foot pedal and

or .

**NOTE!** The machine moves with every step !

Position 1  
Position 2  
Position 3  
Position 4  
Position 5  
Position 6



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2b. To add a position after the last position in the program, continue after step 1 above: .....move to the very last position (four "beeps" sounds when you're there). Continue as in step 3 and 4 !

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3. Press the foot pedal and move to your new position with the motion buttons



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4. To store the position press .  
(the new position gets position 4 and the "old" position is pushed to position 5).

Position 1  
Position 2  
Position 3  
**Position 4** (new position)

# EDIT A PROGRAM POSITION

To change an already programmed position ....


1. Set the key switch to  PROG.  AUTO
2. Press the foot pedal and step to the position you want to change with   or .

THE MACHINE MOVES WITH EVERY STEP !


3. Delete the position by  pressing .
4. Press the foot pedal and move to the new position with the motion buttons
6. To store the new position  press .

YOUR CHANGE IS COMPLETE !

# OPERATION IN **AUTO** MODE

1. Set the key switch to  **AUTO**.  
PROG    AUTO
2. Select a program, using the selector switches.  
("STEP 1" lights up).
3. Press the foot pedal.  
**NOTE !** The machine moves to the first position in the program.
4. Press the foot pedal for the next position. If the foot pedal is pressed after the last position in the program the machine starts over again with "STEP 1".

## **Sometimes you want to go one step back to the previous position ....**

1. Press  (the indicator above the button lights up\*)
2. Press the foot pedal and the machine moves to the previous position.
3. Repeat 1 and 2 above to continue the reverse or press the foot pedal directly to move to the next position.

\*if you activate the  button by accident the indicator light can be put  out by pressing the button.



# DELETE ALL PROGRAMS

To avoid problems when installing the machine, or when a new production run is prepared, it's sometimes easier to erase all the memory and start all over again.

Delete all programs.....

1. Turn both of the program selectors to "0".
2. Hold these 5 buttons for appr. 15 sek.:  
(start pressing the  button)

3. Two "beeps" indicates that your memory is empty.  
(the "EMPTY" is lightend)

# CONTROL PANEL

