

## Manual Operation

### Carousel Movements



To lift the carousel



To lower the carousel

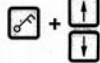


**When W:01/W:02/W:03 is displayed: paraffin in wax bath (station 10/11/12) still solid.**

Press any key to quit the warning code display.



**Tissue basket transfer into or out of the wax bath is blocked. Make sure that the paraffin is actually liquid!**



To lift the carousel



To lower the carousel



To transfer the tissue basket to the next processing station

### Carousel Up/Down Movement



Carousel up/down movement ON/OFF

### Vacuum Function (Optional)



Vacuum function ON/OFF

### Locking the Control Panel Functions



To lock, press key for approx. 5 seconds

|   |   |   |   |   |   |  |  |  |  |
|---|---|---|---|---|---|--|--|--|--|
| L | 0 | 4 |   |   |   |  |  |  |  |
| L | O | C | K | E | D |  |  |  |  |



To unlock, press key for approx. 5 seconds

## Programming



**1** Call the programming mode

|   |   |   |   |   |   |  |  |   |   |   |   |
|---|---|---|---|---|---|--|--|---|---|---|---|
| P | L | 0 | 1 | V |   |  |  | 0 | h | 0 | 0 |
| P | 3 | P | R | O | G |  |  |   |   |   |   |



**2** Select program number



**3** Change the number of tissue baskets

|   |   |   |   |   |   |  |  |   |   |   |   |
|---|---|---|---|---|---|--|--|---|---|---|---|
| P | 3 | L | 0 | 1 | V |  |  | 0 | h | 0 | 0 |
| P | 3 | P | R | O | G |  |  |   |   |   |   |

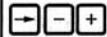


**For 2-basket programs infiltration time is the same for all stations! The displayed starting station number will automatically change to 02.**



**4** Select processing station

|   |   |   |   |   |   |  |  |   |   |   |   |
|---|---|---|---|---|---|--|--|---|---|---|---|
| P | 3 | L | 0 | 1 | V |  |  | 0 | h | 0 | 0 |
| P | 3 | P | R | O | G |  |  |   |   |   |   |



**5** Activate/deactivate the vacuum function (optional) for the selected station

|   |   |   |   |   |   |  |  |   |   |   |   |
|---|---|---|---|---|---|--|--|---|---|---|---|
| P | 3 | L | 0 | 1 | V |  |  | 0 | h | 0 | 0 |
| P | 3 | P | R | O | G |  |  |   |   |   |   |

**6** Enter the infiltration time for the selected station:

**To leave a station out, select an infiltration time of 0h00!**

First enter the hours,

|   |   |   |   |   |   |   |   |  |  |   |   |   |
|---|---|---|---|---|---|---|---|--|--|---|---|---|
| P | 3 | L | 0 | 1 | V | A | C |  |  | h | 0 | 0 |
| P | 3 | P | R | O | G |   |   |  |  |   |   |   |

then the minutes.

|   |   |   |   |   |   |  |  |   |   |  |  |  |
|---|---|---|---|---|---|--|--|---|---|--|--|--|
| P | 3 | L | 0 | 1 | V |  |  | 1 | h |  |  |  |
| P | 3 | P | R | O | G |  |  |   |   |  |  |  |

To define the parameters for any further processing station, repeat steps 4 to 6 for each station.



**7** View total run time of program

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 3 | L | 0 | 1 | V | A | C |   |   | 2 | h | 0 | 0 |   |
| P | 3 | T | O | T | A | L |   | 1 | d | 1 | 8 | h | 1 | 2 |

Total run time of program 3:  
1 day, 18 hours, 12 minutes.



**8** Quit total run time indication



**9** Quit programming mode

### Starting an Automatic Processing Run

Start processing run  

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| L | 0 | 1 | V | A | C | 1 | h | 0 | 0 |   |
| P | 4 |   |   |   |   | 0 | 9 | : | 1 | 7 |

Select program

### Immediate Start

Start program  

|   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|--|
| L | 0 | 1 | V | A | C | 1 | h | 0 | 0 |  |
| W | : | 0 | 5 |   |   |   |   |   |   |  |

When W:04/W:05/W:06 displayed: program duration below 8 hours till the basket arrives at the first wax bath! Check if the paraffin will be liquefied by then. If this is not ensured, fill wax bath(s) with liquid paraffin!

+ To override the warning codes and start a run.

### Delayed Start

Start program  
 Enter starting time  

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L | 0 | 1 | V | A | C | 1 | h | 0 | 0 |   |   |   |
| P | 4 | S | T | A | R | T | - | 0 | 0 | : | 0 | 0 |

Enter day of start  
 0=today; 1=tomorrow; 2=the day after tomorrow ...

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L | 0 | 1 | V | A | C | 1 | h | 0 | 0 |   |   |   |
| P | 4 | S | T | A | R | T | - | 0 | 0 | : | 0 | 0 |

Enter the hours  

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L | 0 | 1 | V | A | C | 1 | h | 0 | 0 |   |   |   |
| P | 4 | S | T | A | R | T | 1 | - |   | : | 0 | 0 |

Enter the minutes

|   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|--|
| L | 0 | 1 | V | A | C | 1 | h | 0 | 0 |   |   |  |
| P | 4 | S | T | A | R | T | 1 | - | 1 | 9 | : |  |

View end of run time

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L | 0 | 1 | V | A | C | 1 | h | 0 | 0 |   |   |   |   |   |   |
| P |   |   |   |   |   | E | N | D | 2 | - | 0 | 9 | : | 4 | 8 |

The processing run shown here would be finished the day after next at 9:48 AM.

Activate delayed start function

The basket will be transferred to the starting container immediately!  
 When E:13 displayed: entered starting time would be earlier than the current real time!

|   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| L | 0 | 1 |   |  |  |  |  |  |  |  |  |  |  |  |  |
| E | : | 1 | 3 |  |  |  |  |  |  |  |  |  |  |  |  |

Correct entry accordingly.

Activate delayed start function

### End of an Automatic Processing Run

Display reads 'DONE' and indicates the position of the tissue basket. In addition, a sound signal is emitted every 30 seconds.

|   |   |   |   |   |   |   |  |  |   |   |   |   |   |  |  |
|---|---|---|---|---|---|---|--|--|---|---|---|---|---|--|--|
| L | 1 | 2 |   |   |   |   |  |  |   |   |   |   |   |  |  |
|   |   |   | D | O | N | E |  |  | 1 | 0 | : | 3 | 4 |  |  |

Press any key to acknowledge the message and silence the sound signal. The samples can then be removed in the manual mode.

### Operations during an Automatic Run

#### Pausing and Resuming a Run

Pause processing run

|   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|
| L | 0 | 1 | V | A | C | 0 | h | 1 | 2 |  |  |  |  |  |  |
| P | 4 | P | A | U | S | E |   |   |   |  |  |  |  |  |  |

The keys for manual operation are functional now!  
 On models with vacuum function (optional) it will take a few seconds until the station is ventilated and the basket is lifted. In the meantime, the display reads 'WAIT!'.

Resume processing run

#### Stopping or Aborting a Run

Stop processing run

|   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|
| L | 0 | 1 | V | A | C | 0 | h | 5 | 5 |  |  |  |  |  |  |
| P | 8 | S | T | O | P | ? |   |   |   |  |  |  |  |  |  |

Resume processing run

|   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| L | 0 | 1 | V | A | C | 0 | h | 5 | 5 |   |   |   |  |  |  |
| P | 8 |   |   |   |   |   |   | 1 | 0 | : | 1 | 9 |  |  |  |

Processing will then continue as programmed.

Abort processing run

|   |   |   |  |  |  |  |  |   |   |   |   |   |  |  |  |
|---|---|---|--|--|--|--|--|---|---|---|---|---|--|--|--|
| L | 0 | 1 |  |  |  |  |  |   |   |   |   |   |  |  |  |
|   |   |   |  |  |  |  |  | 1 | 0 | : | 3 | 4 |  |  |  |

This will abort a run definitely without any option to resume processing.