

# Full Automatic Mounting Press

L/L-E3



## Instruction



### Operation video



## Molds

Ø25

Ø32

Ø40

Ø50

**option**

**Cylinder kit**  
(Appendix 2)



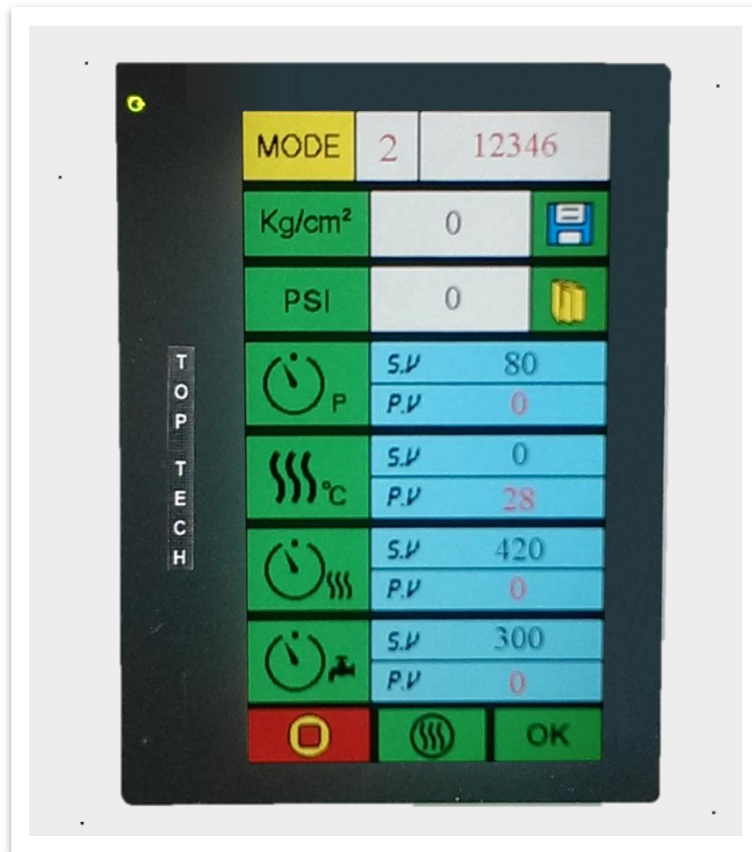
**option**



Coolant pump

| Order no.  | Spec.           |
|------------|-----------------|
| QWP06001   | 1Ø-110V-50/60HZ |
| QWP06002   | 1Ø-220V-50/60HZ |
| QWP06002-1 | 1Ø-200V-50/60HZ |

## Features



1. User-friendly interface can set pressure, heating temperature, heating time and cooling time.
2. 10 memory modes which can set names and parameters.
3. One button start after setting parameter
4. Mode pipe pressure display during operation.(kg/cm<sup>2</sup> and PSI)

## Worthy Options - Working Table

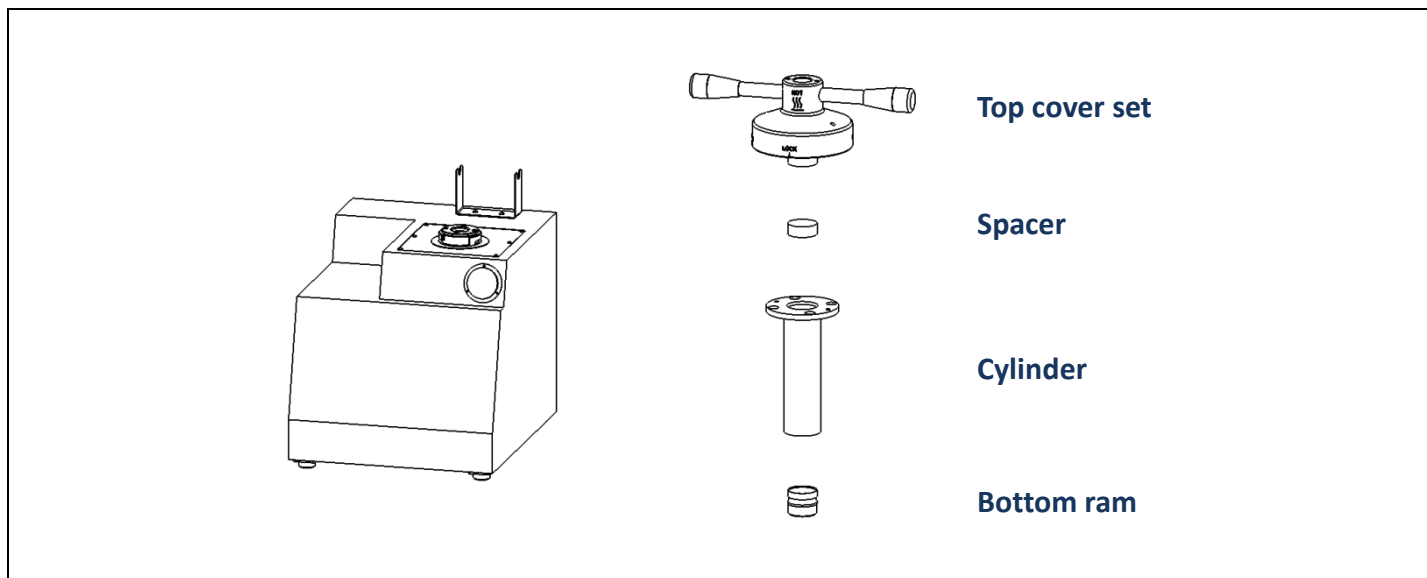


### Working Table

Multifunctional working table, it supplies you a place to put your machine and store your accessories. It can be moved easily.

| Model No. | TF01                                                                                | TF02                                                                                  |
|-----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Size      | 1000*690*700 mm                                                                     | 1000*950*700 mm                                                                       |
| Sample    |  |  |

## Appendix 1 、Cylinder kit option



| Ø40                           |           |             |             |             |             |
|-------------------------------|-----------|-------------|-------------|-------------|-------------|
| Cylinder kit<br>(Single mold) | Size      | Ø25         | Ø30         | Ø32         | Ø40         |
|                               | Order no. | ML40AD0215A | ML40AE0214A | ML40AE0213A | -           |
| Cylinder kit<br>(Three molds) | Size      | Ø25         | Ø30         | Ø32         | Ø40         |
|                               | Order no. | ML40AE0215A | ML40AE0214A | ML40AE0213A | -           |
| Ø50                           |           |             |             |             |             |
| Cylinder kit<br>(Single mold) | Size      | Ø25         | Ø30         | Ø32         | Ø40         |
|                               | Order no. | ML50AE0216A | ML50AE0215A | ML50AE0214A | ML50AE0213A |
| Cylinder kit<br>(Three molds) | Size      | Ø25         | Ø30         | Ø32         | Ø40         |
|                               | Order no. | ML40AD0215A | ML40AE0214A | ML40AE0213A | ML40AD0215A |

**Note 1: Cylinder kit including follow parts.**

Single mold: Top cover set 、Spacer x 1 、cylinder 、Bottom ram

Three molds: Top cover set 、Spacer x 2 、cylinder 、Bottom ram

**Note 2: Special specification can be ordered.**

**Note 3: Cylinder size below Ø32mm not able to option inside mold.**



## Appendix 2 、 Option accessories

### Spacer

|                | Specification                   | Order on.     |              |
|----------------|---------------------------------|---------------|--------------|
|                |                                 | Copper spacer | Iron spacer  |
| Metric<br>(mm) | Ø25                             | ML25AE0210-1  | ML25AE0210-2 |
|                | Ø32                             | M32C0006-1    | M32C0006-3   |
|                | Ø38                             | -             | -            |
|                | Ø40                             | M40C0006-1    | M40C0006-2   |
|                | Ø50                             | ML50DG0210-1  | ML50DG0210-2 |
| Inch<br>(in)   | 1"                              | -             | M25AE0211    |
|                | 1 $\frac{1}{4}$ "               | M32C0011      | M32C0011-1   |
|                | 1 $\frac{1}{2}$ "               | ML38AE0206    | ML38AE0206-1 |
|                | 2"                              | -             | -            |
| Remark         | Special sizes can be customized |               |              |

### Water pump

| Order on.  | Specification   | Remark |
|------------|-----------------|--------|
| QWP06001   | 1Ø-110V-50/60HZ |        |
| QWP06002   | 1Ø-220V-50/60HZ |        |
| QWP06002-1 | 1Ø-200V-50/60HZ |        |



## Specification

| Model No.                       | L                                                                        |       |                             |       | L-E3              |       |         |       |
|---------------------------------|--------------------------------------------------------------------------|-------|-----------------------------|-------|-------------------|-------|---------|-------|
| Sample dia.                     | Ø25mm                                                                    | Ø32mm | Ø40mm                       | Ø50mm | Ø25mm             | Ø32mm | Ø40mm   | Ø50mm |
| Driven method                   | High efficiency motor driven & Hydraulic control                         |       |                             |       |                   |       |         |       |
| Sample qty.                     | 1pc/per time- Note1                                                      |       |                             |       | 1~3 pc/per time   |       |         |       |
| Temperature                     | 0~250°C-Note 3                                                           |       |                             |       |                   |       |         |       |
| Noise level<br>(idle running)   | 59~63dB                                                                  |       | 59~66dB                     |       | 61~64dB           |       | 62~68dB |       |
| Heating power                   | 1200W                                                                    |       | 1600W                       |       | 2400W             |       | 3200W   |       |
| Motor power                     | 1600W                                                                    |       | 2000W                       |       | 2800W             |       | 3600W   |       |
| Hydraulic system                | Ø50x140mm                                                                |       |                             |       | Ø50x210mm         |       |         |       |
| Pressure adding                 | 0~200kg/cm <sup>2</sup> (1 kg/cm2/unit)-note 4                           |       |                             |       |                   |       |         |       |
| Heating time                    | Max.60 minutes                                                           |       |                             |       |                   |       |         |       |
| Cooling time                    | Max.30 minutes                                                           |       |                             |       |                   |       |         |       |
| Memory modes                    | 10 sets<br>(Can set heating temperature 、 heating time and cooling time) |       |                             |       |                   |       |         |       |
| Machine size<br>(WxDxH)         | 39x55x55cm                                                               |       |                             |       | 39x55x69cm        |       |         |       |
| Weight                          | 64Kg                                                                     |       | 65Kg                        |       | 67Kg              |       | 70Kg    |       |
| Water inlet and<br>outlet pipes | 10mm pipes (inner dia.Ø10mm – Outer dia.Ø15mm)                           |       |                             |       |                   |       |         |       |
| Cooling system                  | Electronic water valve connect outside cooling recycle system            |       |                             |       |                   |       |         |       |
| Power supply                    | AC220V-1 Ø<br>(Special voltage can be ordered)                           |       |                             |       |                   |       |         |       |
| Standard<br>accessories         | Tweezer : 1pc                                                            |       | Funnel : 1pc                |       | Filter : 1set     |       |         |       |
|                                 | Spoon : 1pc                                                              |       | Mounting resin : 1kg(2.2lb) |       | Water pump : 1set |       |         |       |
|                                 | Pipe clip : 4pcs                                                         |       | Copper fitting : 1pc        |       | Spacer(E3) : 2pcs |       |         |       |
| Option                          | Cylinder kit                                                             |       |                             |       |                   |       |         |       |

Note 1: Two molds can be produced at same times if option spacer.

Note 2: Special temperature requirement can be customized.

Note 3: The pressure in the table represents the power of the hydraulic system.

Note 4: Special shape and size requirements can be customized

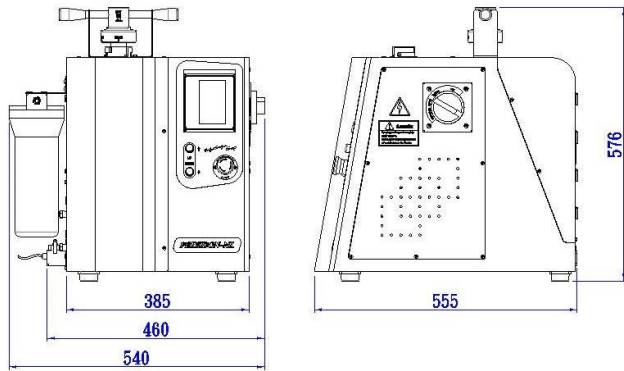
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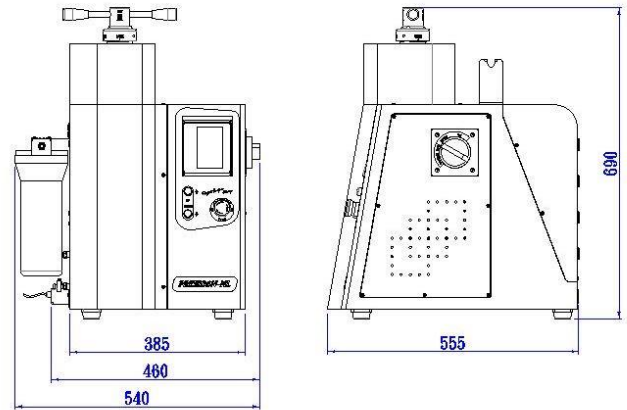
## Parameter I

### Dimension

L(unit : mm)



L-E3(unit : mm)

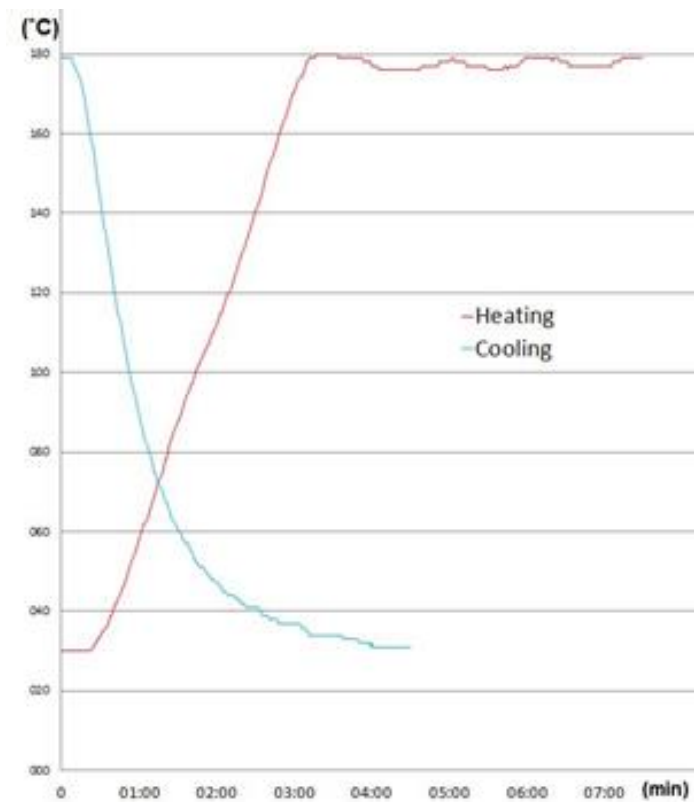


### Heating/cooling graph line

Note:

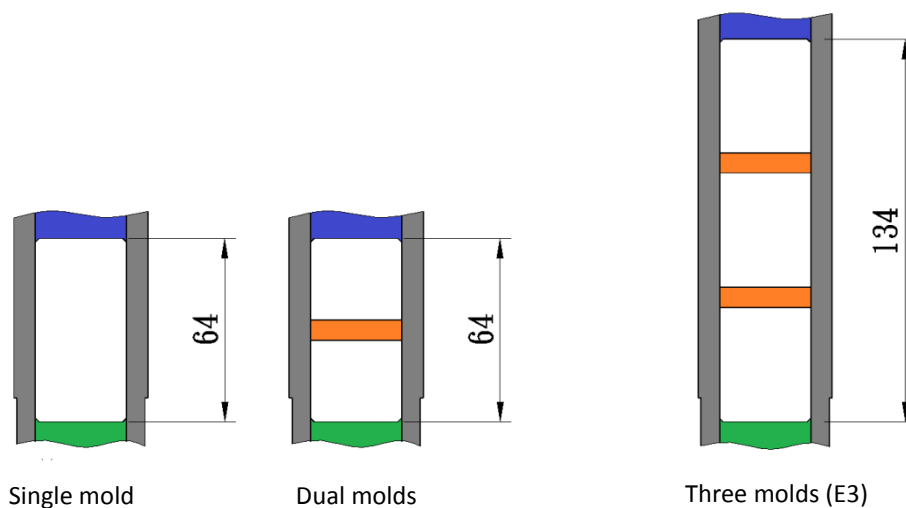
1. Sample- $\varnothing 32\text{mm} \times 20\text{mm}$  (t).
2. Testing results will be different according to weather condition, materials, sample sizes, and cylinder sizes.

(The parameter for reference only)



## Parameter II

### Mold size

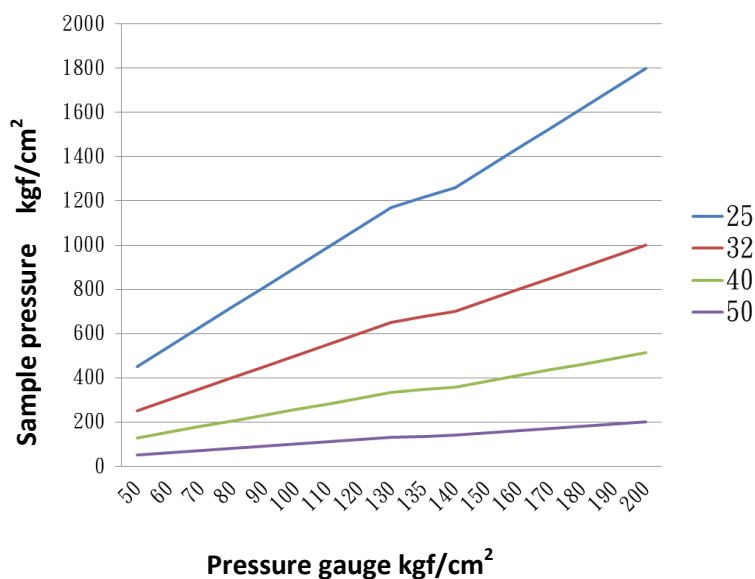


|                     | Mounting size<br>(mm) | Mounting height<br>(mm) | Mounting<br>powder weight<br>(g) | Mold qty. | Mold volume<br>(mm <sup>3</sup> ) |
|---------------------|-----------------------|-------------------------|----------------------------------|-----------|-----------------------------------|
| Single mold         | Ø25                   | 21                      | 18                               | 1         | 10303                             |
|                     | Ø32                   | 21                      | 30                               | 1         | 16880                             |
|                     | Ø40                   | 21                      | 47                               | 1         | 26376                             |
|                     | Ø50                   | 21                      | 75                               | 1         | 41213                             |
| Dual mold           | Ø25                   | 14                      | 12x2                             | 2         | 6869                              |
|                     | Ø32                   | 14                      | 22x2                             | 2         | 11253                             |
|                     | Ø40                   | 14                      | 31x2                             | 2         | 17584                             |
|                     | Ø50                   | 14                      | 49x2                             | 2         | 27427                             |
| Three molds<br>(E3) | Ø25                   | 18                      | 16x3                             | 3         | 8831                              |
|                     | Ø32                   | 18                      | 25x3                             | 3         | 14469                             |
|                     | Ø40                   | 18                      | 40x3                             | 3         | 22608                             |
|                     | Ø50                   | 18                      | 63x3                             | 3         | 35325                             |

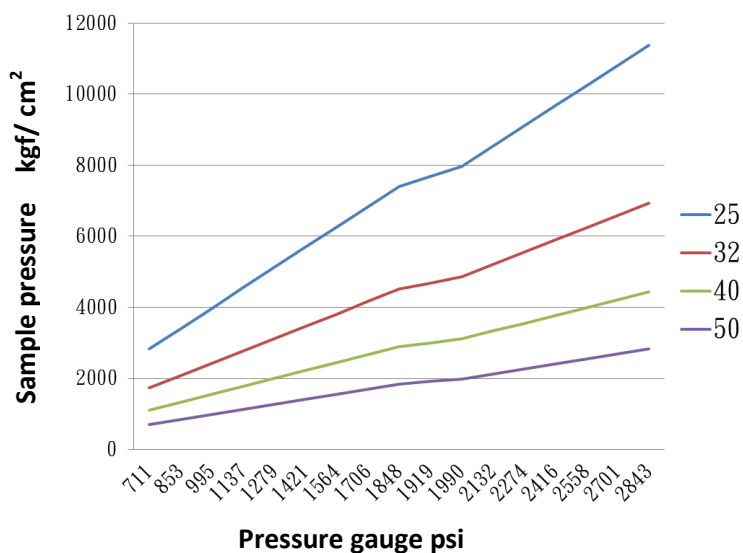
### Parameter III

**Mounting pressure comparison table**

|                        | Metric system (Kg/cm <sup>2</sup> ) | British system (psi) |
|------------------------|-------------------------------------|----------------------|
| <b>Pressure adding</b> | <b>0~200</b>                        | <b>0~2843</b>        |
| <b>Max. pressure</b>   | <b>200</b>                          | <b>2843</b>          |



| Sample size | Max. pressure (Kg/cm <sup>2</sup> ) |
|-------------|-------------------------------------|
| Ø25mm       | 800                                 |
| Ø32mm       | 488                                 |
| Ø40mm       | 312                                 |
| Ø50mm       | 200                                 |



| Sample size | Max. pressure (psi) |
|-------------|---------------------|
| Ø25mm       | 11370               |
| Ø32mm       | 6940                |
| Ø40mm       | 4440                |
| Ø50mm       | 2842                |

## Consumables

### Clear transparent acrylic hot mounting resin

|                                                                                   |           |           |               |
|-----------------------------------------------------------------------------------|-----------|-----------|---------------|
|  | Order no. | S030109   | 1 kg          |
|                                                                                   |           | S030108   | 2 kg          |
|                                                                                   |           | S030109-1 | 5 lb (2.27kg) |

### Conductive mounting resin, thermosetting, Phenol- formaldehyde resin

|                                                                                   |           |         |               |
|-----------------------------------------------------------------------------------|-----------|---------|---------------|
|  | Order no. | S030106 | 1 lb (0.45kg) |
|-----------------------------------------------------------------------------------|-----------|---------|---------------|

### Black bake lite hot mounting resin

|                                                                                     |           |          |             |
|-------------------------------------------------------------------------------------|-----------|----------|-------------|
|  | Order no. | S03001   | Black-25 kg |
|                                                                                     |           | S03001-1 | Black-1 kg  |
|                                                                                     |           | S03002   | Brown-25 kg |
|                                                                                     |           | S03002-1 | Brown-1 kg  |
|                                                                                     |           | S03002-2 | Brown-2 kg  |
|                                                                                     |           | S03003   | Green-25 kg |
|                                                                                     |           | S03003-1 | Green-1 kg  |
|                                                                                     |           | S03004   | Red-25 kg   |
|                                                                                     |           | S03004-1 | Red-1 kg    |

Remark: Welcome to get the more detail information of consumables in the follow link

<http://toptech.synology.me/Consumables/MountingEN.pdf>





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