

# Full Automatic Mounting Press

L1/L1-E3/L2/L2-E3



## Instruction

Model type: L1



Operation video

**Top cover**  
Quick release



**Thermostat**  
Multi over-temperature  
protection to ensure safety

**Color touch panel**  
High-definition

**Full-automatic**  
One button start  
Automatic pressure  
adding, heating and  
cooling



**Filter system**  
Filter out solids  
of water

**Water inlet/outlet**  
Convenient to use

**Specialized socket**  
(For water pump only)  
Built-in water recycling system



## Features

### 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

### Molds

Ø25  
Ø32  
Ø40  
Ø50

**option**



**Acrylic Mode**  
([Appendix 3](#))



Features:

- Clear sample
- Good covering



## Features



1. User-friendly operation interface which can set pressure, heating temperature, heating time and cooling time.
2. One button start, automatic pressure adding, heating and cooling.
3. Display the pressure value of cylinder during operation.
4. 100 memory modes which can set and save the parameters.

## Worthy Options - Working Table



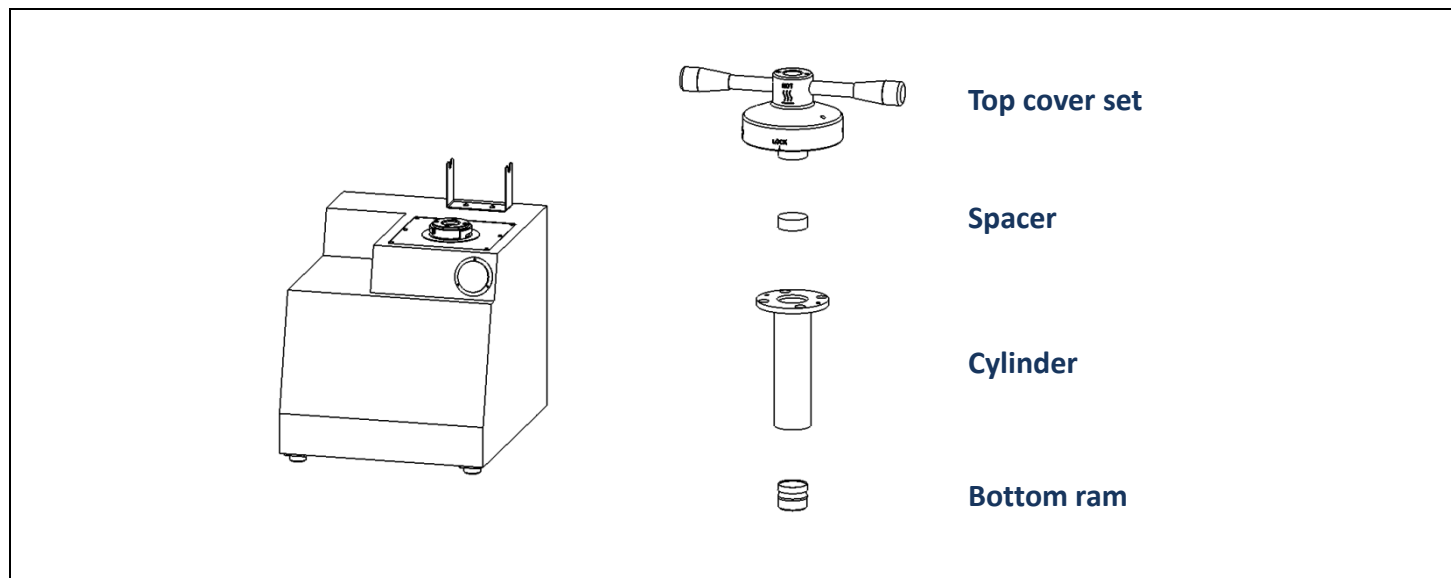
### Working Table

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*800*700 mm                                                                     | 1200*1000*700 mm                                                                      |
| Sample    |  |  |



## Appendix 1 、Cylinder kit option



| Ø40                           |           |             |             |             |             |
|-------------------------------|-----------|-------------|-------------|-------------|-------------|
| Cylinder kit<br>(Single mold) | Size      | Ø25         | Ø30         | Ø32         | Ø40         |
|                               | Order no. | ML40AD0215A | ML40AD0214A | ML40AD0213A | -           |
| 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. | ML50AD0216A | ML50AD0215A | ML50AD0214A | ML50AD0213A |
| Cylinder kit<br>(Three molds) | Size      | Ø25         | Ø30         | Ø32         | Ø40         |
|                               | Order no. | ML50AE0216A | ML50AE0215A | ML50AE0214A | ML50AE0213A |

**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 |        |





### Appendix 3 、Option acrylic mode

#### Reference Data

| No.                                    | Size(mm)         | Weight(g)  | Reference Height(mm) | Forming Number |
|----------------------------------------|------------------|------------|----------------------|----------------|
| <b>Single Mode</b>                     | $\varnothing 25$ | 9          | 16                   | 1              |
|                                        | $\varnothing 32$ | 15         |                      |                |
|                                        | $\varnothing 40$ | 23         |                      |                |
|                                        | $\varnothing 50$ | 35         |                      |                |
| <b>Tri-Mode</b>                        | $\varnothing 25$ | 9 x 3      | 16                   | 3              |
|                                        | $\varnothing 32$ | 15 x 3     |                      |                |
|                                        | $\varnothing 40$ | 23 x 3     |                      |                |
|                                        | $\varnothing 50$ | 35 x 3     |                      |                |
| <b>Double Pillars-<br/>Single Mode</b> | $\varnothing 25$ | 2 - 9      | 16                   | 2              |
|                                        | $\varnothing 32$ | 2 - 15     |                      |                |
|                                        | $\varnothing 40$ | 2 - 23     |                      |                |
|                                        | $\varnothing 50$ | 2 - 35     |                      |                |
| <b>Double Pillars-<br/>Tri-Mode</b>    | $\varnothing 25$ | 2 - 9 x 3  | 16                   | 6              |
|                                        | $\varnothing 32$ | 2 - 15 x 3 |                      |                |
|                                        | $\varnothing 40$ | 2 - 23 x 3 |                      |                |
|                                        | $\varnothing 50$ | 2 - 35 x 3 |                      |                |

Note 1: Single mode and Tri-Mode is applied to L1 and L1-E3, double pillars-single mode and double pillars-tri-mode is applied to L2 and L2-E3.

Note 2: The total time for heating is according to the outer diameter sizes, it about 18 to 25 minutes. (Reference)

Note 3: If mounting height is over 32mm, it will appear bubbles. It's possible refer to reference height as standard.



## Specification

| Model                         | L1                                                                        |       |                             |       | L1-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    (1°C/unit)-note 2                                              |       |                             |       |                   |       |         |       |
| Noise level<br>(idle running) | 68~75dB                                                                   |       | 70~77dB                     |       | 69~76dB           |       | 72~78dB |       |
| Heating power                 | 1200W                                                                     |       | 1600W                       |       | 2400W             |       | 3200W   |       |
| Motor power                   | 2000W                                                                     |       | 2400W                       |       | 3200W             |       | 4000W   |       |
| Pressure range                | 0~180kg/cm <sup>2</sup> (1 kg/cm <sup>2</sup> /unit)-note 3               |       |                             |       |                   |       |         |       |
| Heating time                  | Max.60 minutes                                                            |       |                             |       |                   |       |         |       |
| Cooling time                  | Max.30 minutes                                                            |       |                             |       |                   |       |         |       |
| Memory mode                   | 100 sets<br>(Can set heating temperature 、 heating time and cooling time) |       |                             |       |                   |       |         |       |
| Machine size<br>(WxDxH)       | 55x68x59cm                                                                |       |                             |       | 55x68x70cm        |       |         |       |
| Weight                        | 82Kg                                                                      |       | 83Kg                        |       | 84Kg              |       | 87Kg    |       |
| Water inlet/outlet<br>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)                            |       |                             |       |                   |       |         |       |
| Stand<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.

**We reserve the right of changing design without notice**

## Specification

| Model                         | L2                                                                       |       |                             |       | L2E3                  |       |         |       |
|-------------------------------|--------------------------------------------------------------------------|-------|-----------------------------|-------|-----------------------|-------|---------|-------|
| 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℃ (1℃/unit)-note 2                                                  |       |                             |       |                       |       |         |       |
| Noise level<br>(idle running) | 69~75dB                                                                  |       | 70~78dB                     |       | 70~77dB               |       | 74~78dB |       |
| Heating power                 | 2400W                                                                    |       | 3200W                       |       | 4800W                 |       | 6400W   |       |
| Motor power                   | 3200W                                                                    |       | 4000W                       |       | 5600W                 |       | 7200W   |       |
| Pressure range                | 0~180kg/cm <sup>2</sup> (1 kg/cm <sup>2</sup> /unit)–note 3              |       |                             |       |                       |       |         |       |
| Heating time                  | Max.60 minutes                                                           |       |                             |       |                       |       |         |       |
| Cooling time                  | Max.30 minutes                                                           |       |                             |       |                       |       |         |       |
| Memory mode                   | 100 sets<br>(Can set heating temperature 、heating time and cooling time) |       |                             |       |                       |       |         |       |
| Machine size<br>(WxDxH)       | 79x68x59cm                                                               |       |                             |       | 79x68x71cm            |       |         |       |
| Weight                        | 124Kg                                                                    |       | 125Kg                       |       | 128Kg                 |       | 131Kg   |       |
| Water inlet/outlet<br>pipes   | 10mm pipes (inner dia.Ø10mm— Outer dia.Ø15mm)                            |       |                             |       |                       |       |         |       |
| Cooling System                | Electronic water valve connect outside cooling recycle system            |       |                             |       |                       |       |         |       |
| Power supply                  | AC220V-1 ∅<br>(Special voltage can be ordered)                           |       |                             |       |                       |       |         |       |
| Stand<br>accessories          | Tweezer : 1pc                                                            |       | Funnel : 1pc                |       | Filter : 1set         |       |         |       |
|                               | Spoon : 1pc                                                              |       | Mounting resin : 1kg(2.2lb) |       | Copper fitting : 2pcs |       |         |       |
|                               | Pipe clip : 6pcs                                                         |       | Screws : 6pcs               |       | 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.

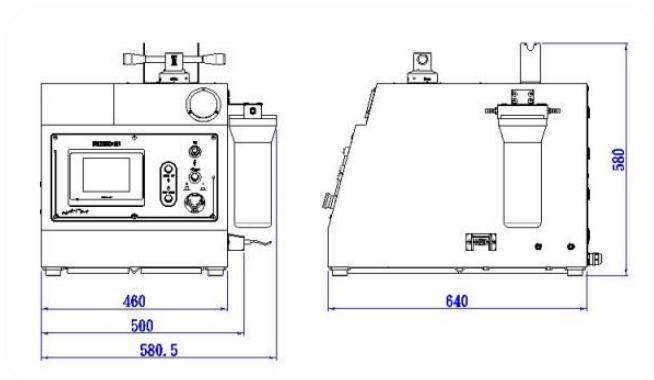
Note 4: Special shape and size requirements can be customized.

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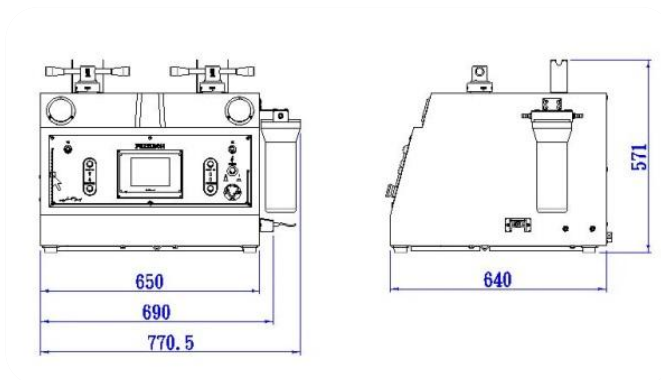
## Parameter I

### Dimension

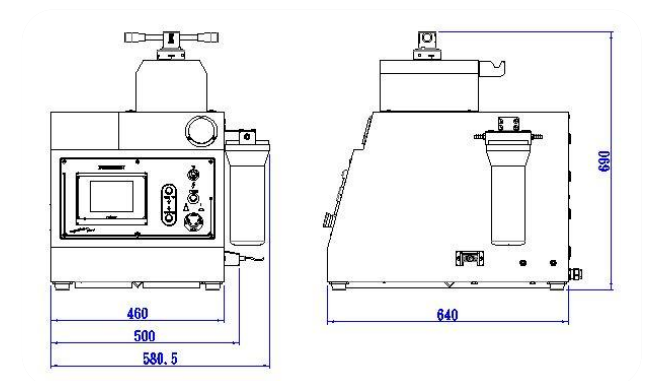
L1(unit: mm)



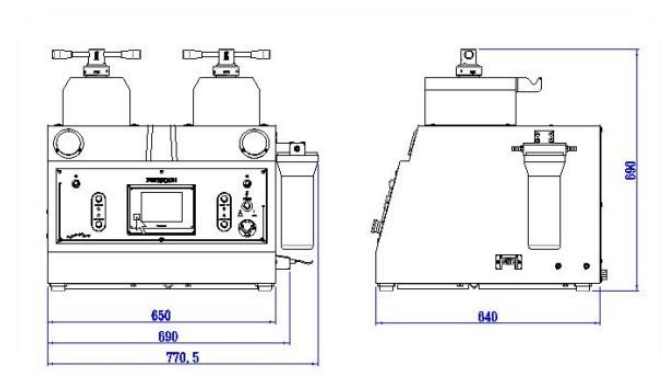
L2(unit : mm)



L1-E3(unit: mm)

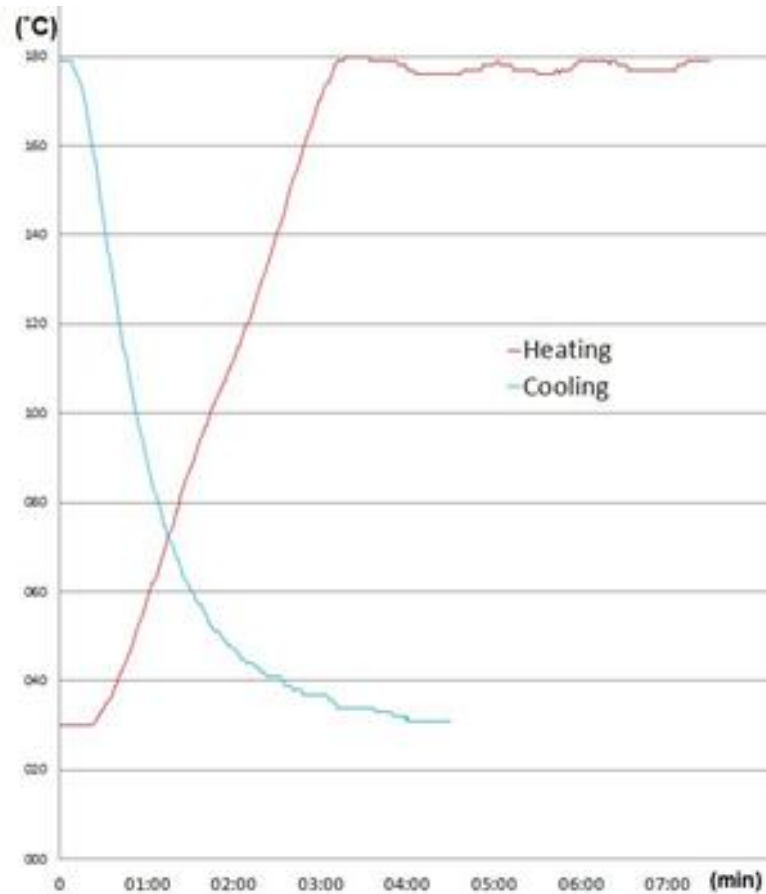


L2-E3(unit: mm)



## Parameter II

### Heating/cooling graph line

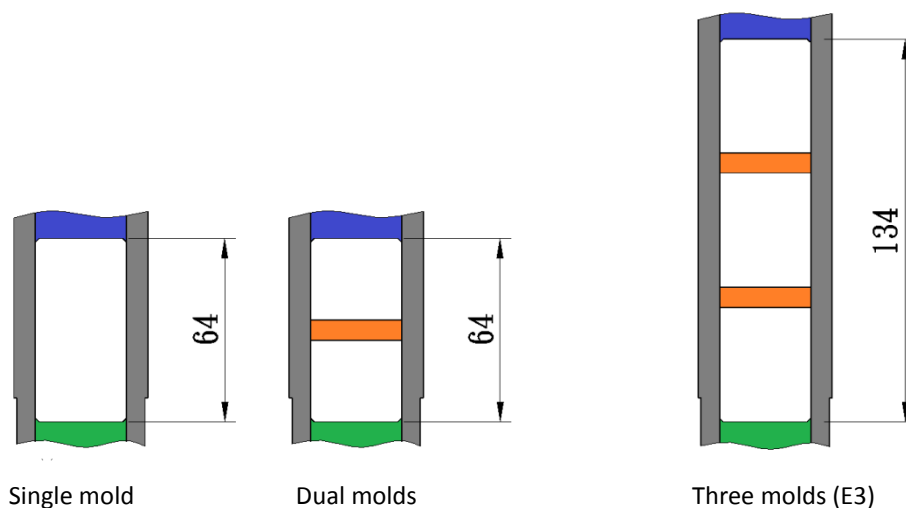


Note:

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

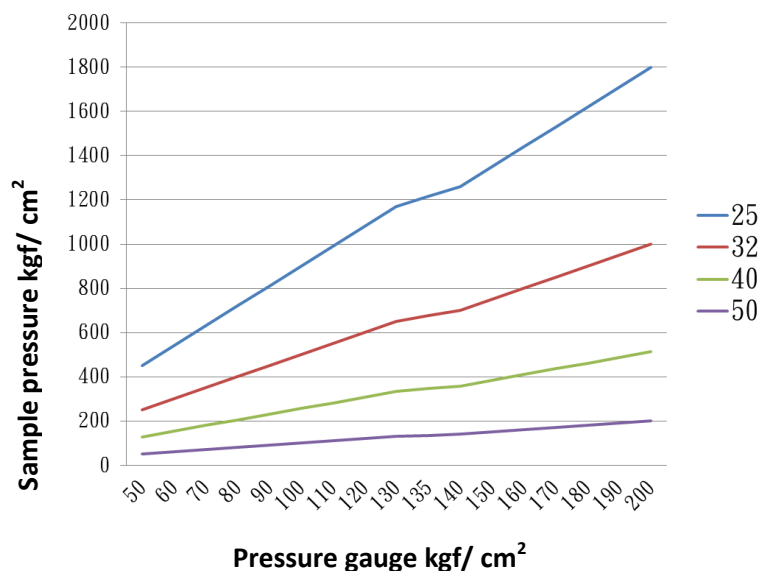
### Mold size



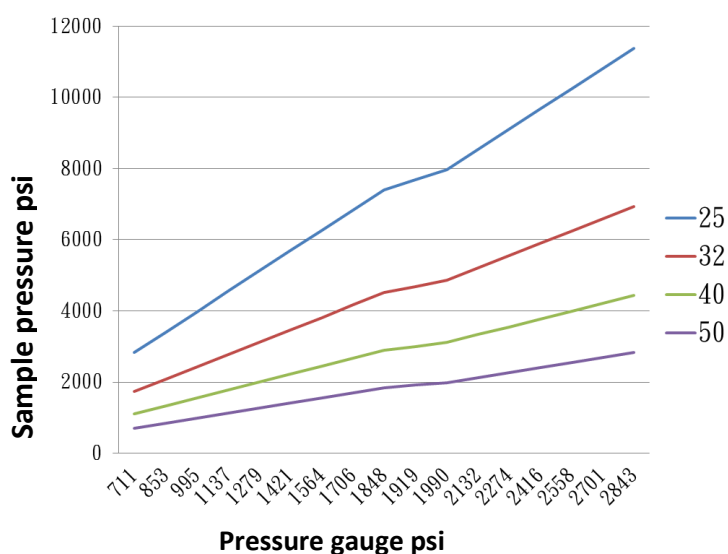
| NO.              | Mounting size (mm) | Mounting height (mm) | Mounting powder weight (g) | Mold qty. | Mold volume (mm <sup>3</sup> ) |
|------------------|--------------------|----------------------|----------------------------|-----------|--------------------------------|
| Single mold      | Ø25                | 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 (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



| Sample size | Max. pressure (Kg/cm <sup>2</sup> ) |
|-------------|-------------------------------------|
| Ø25mm       | 800                                 |
| Ø32mm       | 488                                 |
| Ø40mm       | 312                                 |
| Ø50mm       | 180                                 |

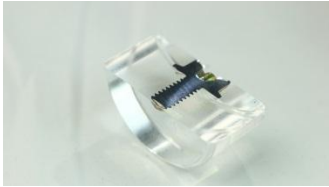


| Sample size | Max. pressure (psi) |
|-------------|---------------------|
| Ø25mm       | 11370               |
| Ø32mm       | 6940                |
| Ø40mm       | 4440                |
| Ø50mm       | 2558                |



## Consumables

### Clear transparent acrylic hot mounting resin

|                                                                                  |           |           |       |
|----------------------------------------------------------------------------------|-----------|-----------|-------|
|  | Order no. | S030201   | 1 kg  |
|                                                                                  |           | S030201-1 | 5 kg  |
|                                                                                  |           | S030201-2 | 10 kg |

### 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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