Reliable dispenser support devices that contribute to all types of dispensing operations.

Fan type Peltier temperature control system  
**PELTIER MASTER**

- Maintains a constant fluid viscosity by heating and cooling the fluid
  - Very useful for constant-volume dispensing of high viscosity material or fluids that undergo large changes in viscosity.
  - Maintains a constant fluid temperature, independent of temperature changes in the environment.
  - Abnormal temperature alarm output signal equipped as standard

Air type Peltier temperature control system  
**PELTIER MASTER**

- No need for an air compressor.
- Applicable to cleanroom with air type control

Thermocouple temperature control unit  
**THERMO MASTER**

- Dispense material in stable conditions at relatively high temperatures
  - This is a syringe heating temperature control system that dispenses material stably at relatively high temperatures.
  - Very good for dispensing fluids such as cream solder or epoxy.

Mixing system  
**MIX MASTER**

- Agitates fluids containing filler to keep the filler in suspension
  - Best suited for dispensing fluid that contains filler using a syringe system.

Syringe centrifugal bubble eliminator  
**AWATRON3**

- Further user friendly, reliable, and speedy bubble elimination!
  - Bubbles are eliminated just by placing a syringe and pressing the switch.
  - Introduction of a syringe detachable mechanism with stationary holder allows for simple operation and elimination of installation failure.
  - Introduction of a newly developed needle cap mounting jig has achieved reliable capping, and accordingly prevents liquid from leaking during bubble elimination.
  - Introduction of a digital timer allows for detailed setting and control of bubble elimination time.

For details, see the separate parts catalog.
Simple syringe filling unit

**FILLING MATE**

Makes filling simple. Just place a can with the fluid in it directly inside the pressurizing vessel.

- No need to worry about high viscosity fluids.
- It can fill a syringe or cartridge with high, viscosity material without problems or wasted material.
- Prevents bubble contamination that can cause empty shots or faulty dispensing.

Note: With some fluids, the specifications may need to be significantly different. Then a custom dispenser would need to be made. For questions, please contact our sales department.

Two fluid weighing/blending dispenser

**TAM-93C**

Precise specified-volume dispensing of high-viscosity, 2-part fluids.

- Can be used with a wide range of 2-part fluids from low- to high-viscosity.
- Automate the tiresome chores of weighing, mixing, and dispensing specific amounts.
- Prevent bubble contamination in material and dispense in stable conditions.
- It is simple to set the mixing rate and dispensing amount by adjusting the plunger stroke.

Note: With some fluids, the specifications may need to be significantly different. Then a custom dispenser would need to be made. For questions, please contact our sales department.

Automatic stirring bubble removing/filling system

**PURE MASTER**

Accurate and speedy operation from removing bubbles to filling syringes.

- You can eliminate bubbles just by filling syringes with this machine.
- Fills syringes quickly, accurately, reliably and bubble-free.
- Prevent contamination with bubbles that can cause empty shots or faulty dispensing.

Note: With some fluids, the specifications may need to be significantly different. Then a custom dispenser would need to be made. For questions, please contact our sales department.

Simple two fluid blending dispenser

**DUAL MASTER**

Mix a primary fluid and a hardener, then dispense it in precisely specified amounts.

- Automate the tiresome chores of weighing, mixing, and dispensing specific amounts.
- Easy to clean the mixing section using a static mixer.

Note: With some fluids, the specifications may need to be significantly different. Then a custom dispenser would need to be made. For questions, please contact our sales department.

Automatic weighing and syringe filling

**AUTO FILLING MASTER**

Automatically fill syringes with highly viscous fluid, with high-precision.

- Fill syringes quickly and precisely with high viscosity fluid, including paste.
- Since this system weighs the fluid, you can fill syringes to the required level simply and easily, just by pressing the start switch.

Note: With some fluids, the specifications may need to be significantly different. Then a custom dispenser would need to be made. For questions, please contact our sales department.

Rotating dispenser

**CIRCLE MASTER**

Circumferential Dispensing With One-Touch Operation.

- Circumferential dispensing by rotating workpiece.
- Dispensing available for both inner and outer circumferences.
- Compatible with various work diameters.
- Dispenser mounting under the main unit. (option)

<table>
<thead>
<tr>
<th>Item name</th>
<th>CIRCLE MASTER <strong>CIRCLE MASTER</strong></th>
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<tbody>
<tr>
<td>Model</td>
<td>CCM-3H</td>
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<tr>
<td>Model</td>
<td>CCM-3T</td>
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Note: With some fluids, the specifications may need to be significantly different. Then a custom dispenser would need to be made.
For questions, please contact our sales department.