

**NEW**

## Cooling System for THINKY MIXER

# ENS-10CE

Supported Models: THINKY MIXER ARE-250CE / Solder Paste Mixer SR-500CE

The powerful DC fan can forcibly remove heat accumulated in the mixer system.

Using ENS-10CE can lower operational temperature by 10 °C

- THINKY Cooling System ENS-10CE is effective in decreasing temperature by 10 °C in the mixer.
- THINKY Cooling System ENS-10CE is effective in suppressing temperature raises in the mixer caused by generation of heat by materials being mixed.
- Interval time for cool-down can be shortened and efficient repeat operation is possible.

Effect of ENS-10CE for repetitive operation

Example  
**1**

High Viscosity  
Silicone

2000 rpm, 5 min  
10 times repeatedly

Example  
**2**

Medium Viscosity  
Polyimides

2000 rpm, 15 min  
15 times repeatedly

Example  
**3**

Dispersing  
Phosphor into Resin

400 rpm, 30 s on 1st step,  
1500 rpm, a few min on 2nd step  
10 times repeatedly



Planetary Centrifugal Mixer

◀ **THINKY MIXER**  
ARE-250CE

DC fan air inlet

Cooling System

◀ **ENS-10CE**

On/Off button

The ON and OFF button of a mixer power supply are also built into the ENS-10CE.



◀ **SR-500CE**

## ENs-10CE is able to suppress the raise in temperature inside of THINKY MIXER during repetitive operation.

THINKY Cooling System ENs-10CE is a new optional cooling system that exhausts heat from THINKY MIXER. Temperatures in a mixer are 10 °C higher without the use of this cooling system.

Cooling System  
**ENs-10CE**

**NEW**



### Test Report: Comparison table with and without using ENs-10CE

Test material:  
Shin-Etsu Silicone, Silicone Fluid KF-96-5,000CS

#### Results

The effect was proved that temperatures in the mixer were 10 °C less and 11 °C less on the motor.

DC fan  
OFF

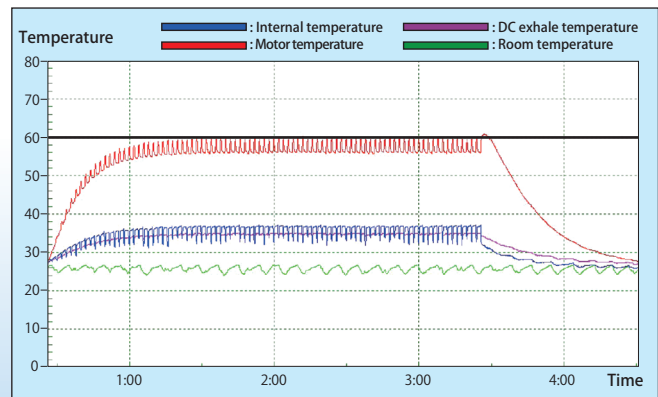
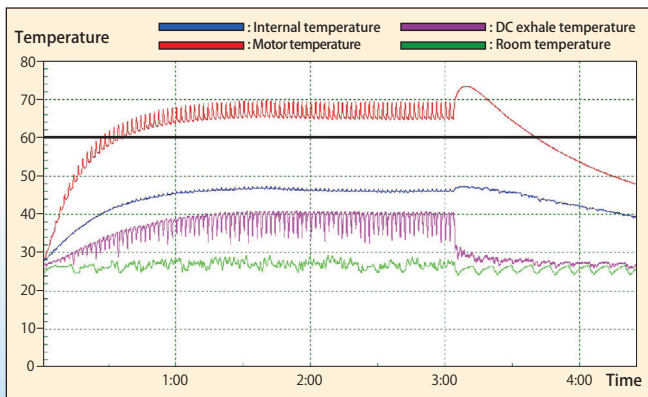
Temperature change  
of each part of the mixer

Power OFF	Average
Internal temperature	43.9 °C
Motor temperature	61.6 °C
DC exhaust temperature	34.1 °C
Room temperature	26.4 °C

DC fan  
ON

Temperature change  
of each part of the mixer

Power ON	Average
Internal temperature	33.2 °C
Motor temperature	50.4 °C
DC exhaust temperature	32.7 °C
Room temperature	25.7 °C



#### Setting Image



● ARE-250CE



● SR-500CE

#### Product Specification

Model	ENs-10CE
Usage	Reduces the temperature in THINKY MIXER
Supported models	ARE-250CE, SR-500CE
Temperature reduction effects	Temperature in the mixer : Reduced approx. 10°C *1
Power supply	Voltage Single-phase AC230 V ± 10 %, 50 Hz
	Power Consumption Exhauster: about 40 VA mixer combination: Maximum 900 VA (operation)
Environment	10 to 35°C, 35 to 85% RH (thing without dew condensation)
Dimension	H 145 mm × W 310 mm × D 320 mm
Unit Weight	Approx. 7 kg

\*1: Please contact us for higher specification.

The product appearance and specification may be changed without a preliminary announcement.

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