

Cooling System for THINKY MIXER

ENS-10

Supported Models: THINKY MIXER ARE-310 / ARE-250 / Solder Paste Mixer SR-500

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

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

- THINKY Cooling System ENS-10 is effective in decreasing temperature by 10 °C in the mixer.
- THINKY Cooling System ENS-10 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-10 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-250

DC fan air inlet

Cooling System
◀ **ENS-10**

On/Off button

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



◀ **SR-500**

Cooling System ENS-10

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

THINKY Cooling System ENS-10 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.



Test Report: Comparison table with and without using ENS-10

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

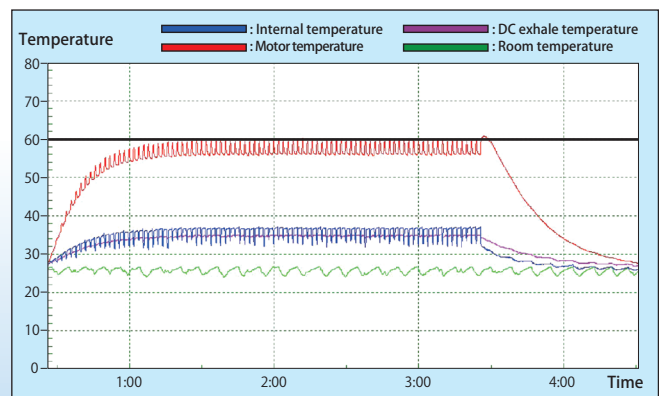
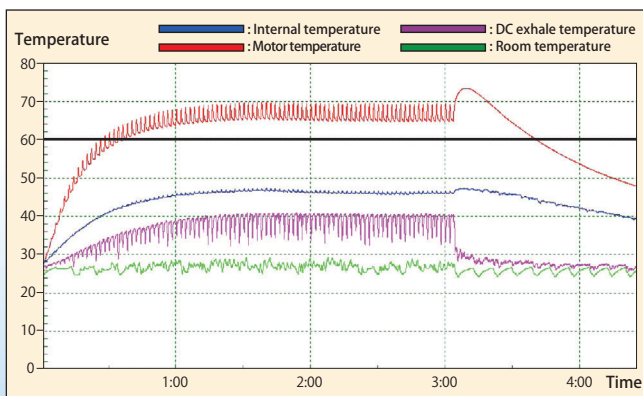
Temperature change of each part of the mixer

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-10
Usage	Reduces the temperature in THINKY MIXERS
Supported models	ARE-310, ARE-250, ARM-310, SR-500
Temperature reduction effects	Temperature in the mixer : Reduced approx. 10°C *1
Power supply	Voltage Single-phase AC100 V - AC120V ± 10 %, 50 - 60 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.

THINKY CORPORATION

Headquarters: 2-16-2 Sotokanda, Chiyoda-ku, Tokyo 101-0021
Phone : +81-3-5207-2713 Fax : +81-3-5289-3281

THINKY USA Inc. : 23151 Verdugo Drive, Suite 112 Laguna Hills, CA92653, USA

THINKY CHINA: East building, HaiAn Kafunuo Mansion, Shennan road,
Qianhai road, Nanshan district, Shenzhen

<https://www.thinkymixer.com/en-gl/>

Sales agent