

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.



Planetary Centrifugal Mixer
THINKY MIXER ARE-250CE

Cooling System
ENS-10CE

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

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



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.



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

Test material: Shin-Etsu Silicone, Silicone Fruite 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

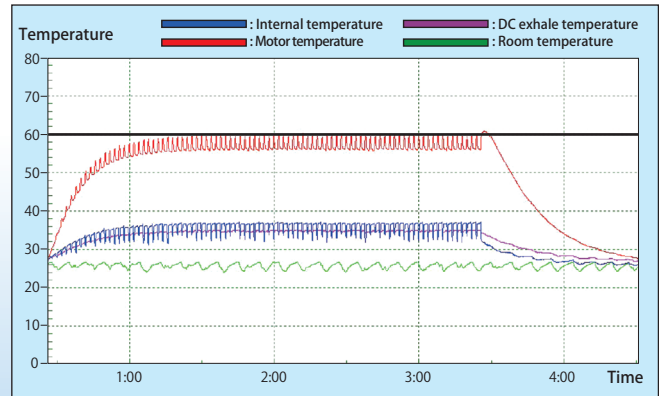
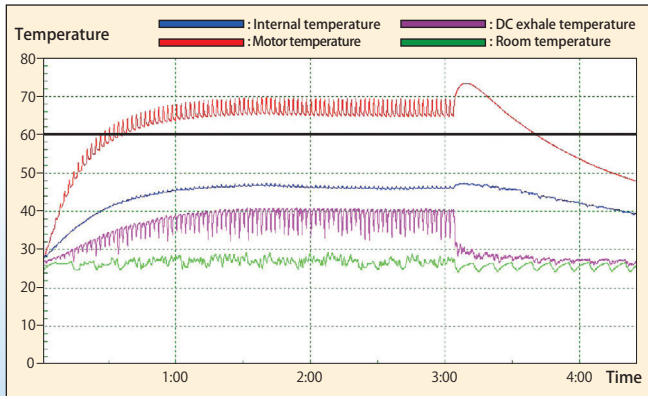
Temperature change of each part of the mixer

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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