



Silicone rubber heater



Belt heater



Drum container heater

*Celebrating our 30<sup>th</sup> year!*



株式会社 スリーハイ

THREE HIGH CO.,LTD.

## Introduction

Original temperature controller, monoOne-120



Temperature sensor



# Company Profile

## ThreeHigh Co., Ltd.

**Established:** 1990

**Representative:** Makoto Ozawa/Mr.

**Employee:** 41

### **Office & Factory:**

4-42-16 Higashi Yamata, Tsuzuki Ward, Yokohama city  
224-0023 JAPAN

**TEL:** +81-45-590-5561

### **Buesiness:**

Manufacturing Industry

Industrial electric heaters, temperature controllers,  
temperature sensors, and insulation materials

ISO9001/14001

QMS: ISO9001 :2015・JIS Q 9001 :2015

EMS: ISO14001:2015・JIS Q14001:2015



Headquarters/Factory

Cafe & Factory DEN



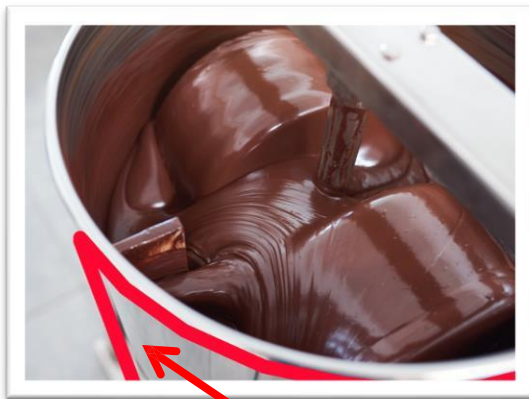
# Case 1: For major confectionery company “N”

The process of manufacturing chocolate requires accurate temperature control, but...

✖ It is very difficult to control the temperature...



*By installing our heaters to their tempering bowl, now it is possible to control temperature accurately.*



**HERE!**

Temperature controller, monoOne-120



## ◆Voice of Company “N”◆

- The rubber heater is easier to install than our previously heater, and it reduced the working hours.
- Rubber heater is hygienic because we can remove and wipe easily.
- ThreeHigh's temperature controller monoOne is easy to use and anybody can control the temperature stably.

## 👉 Our Proposal

Spiral heater that can helically wrapped around the pipe

+

Temperature sensor

+

Our temp. controller monoOne-120

**Can be used for honey, black honey, etc.!**



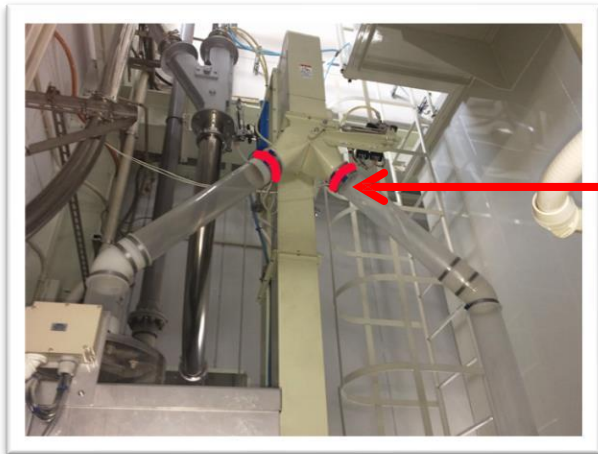


## Case 2: For major rice milling company “M”

- ✖ Much rice bran sticks inside the pipe which the rice passes...
- ✖ It takes too much time when cleaning inside the pipe...



*With our heater outside the pipes, less rice bran sticks and it reduced us to clean the pipes.*



**HERE!**



### ◆ Voice of company “M” ◆

- Piping is hard to clog now.
- It reduced working hours and workers.

### Our Proposal

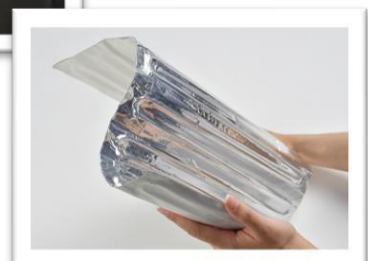
Silicone rubber heater  
Aluminum foil heater  
(Depends on the situation)

+

60° C off-thermostat



Silicone rubber heater



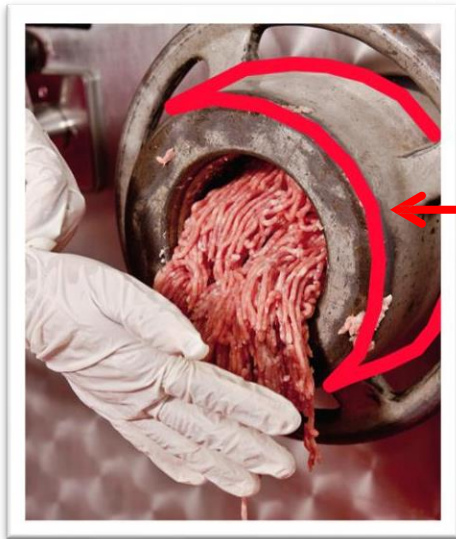
Aluminum foil heater

# Case 3: For major frozen food company “N”

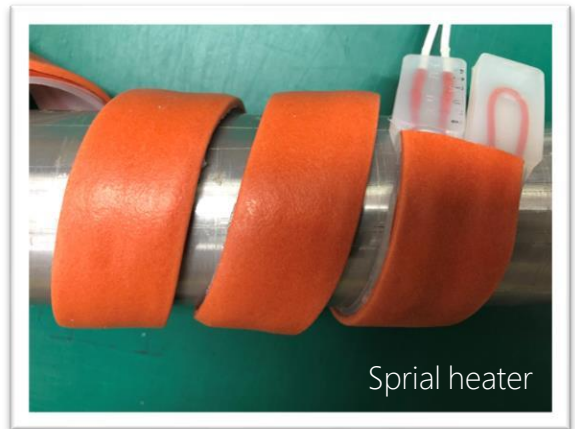
- ✖ Meat grease is solidified in the piping which meat passes, then it makes clogging of the piping in frozen food processing...



*With our heater installed, the grease does not solidify, so the meat flow become smooth!!*



**HERE!**



## ◆Voice of company “N”◆

■ Until now, the troublesome work of removing the piping, washing, sterilizing, and re-attaching the piping was repeated...but the frequency decrease.

■ There are various types of heaters so we can attach them not only in straight pipes but also in curved or non-piped sections where meat goes.

## Our Proposal

Spiral heater that is spiral and easy to wrap around the pipe.

OR

Elbow-typed heater that can be installed in a curved part.



Elbow-typed heater

# Case 4: For major oil company “I”

A warming room was used to warm lubricants and other oils.

- ✗ Takes up space
- ✗ Costs electricity
- ✗ Oil that is not used is also warmed up.

Isn't there any eco method...?



*With our container heaters,  
you can warm up your cans  
only when necessary  
with only necessary cans!*

## ◆Voice of Company “I”◆

- Electricity costs are reduced.
- Besides lubricating oil, we started to use it for other oils.



Container heater

## 👉Our Proposal

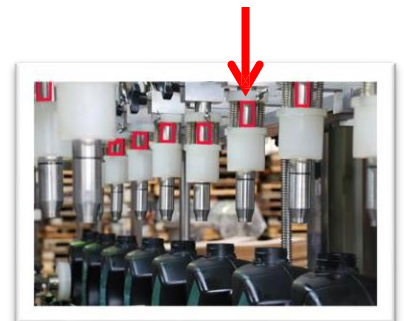
Drum container heater

- ✓ Available for drum/5 gallon/pail containers!  
(Temperature sensor/temperature controller also required.)
- ✓ Easy attachment by spring type mounting!
- ✓ Heat insulation jacket to prevent heat dissipation and burn injuries! (sold separately)

## 👉Similar Products



**Heater to install on the machine is also available.**



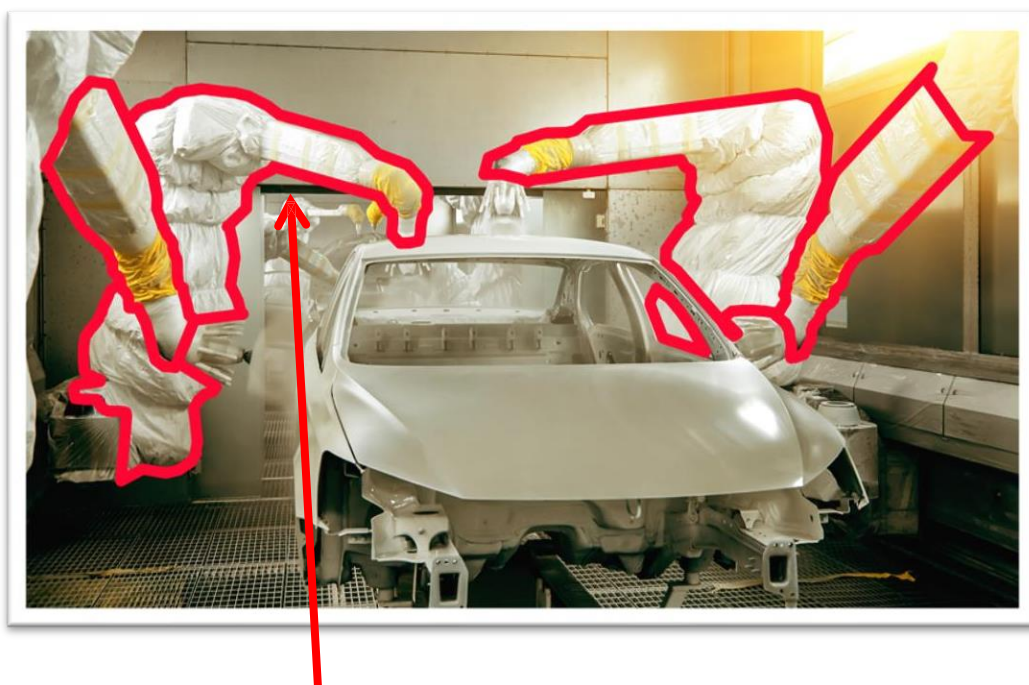
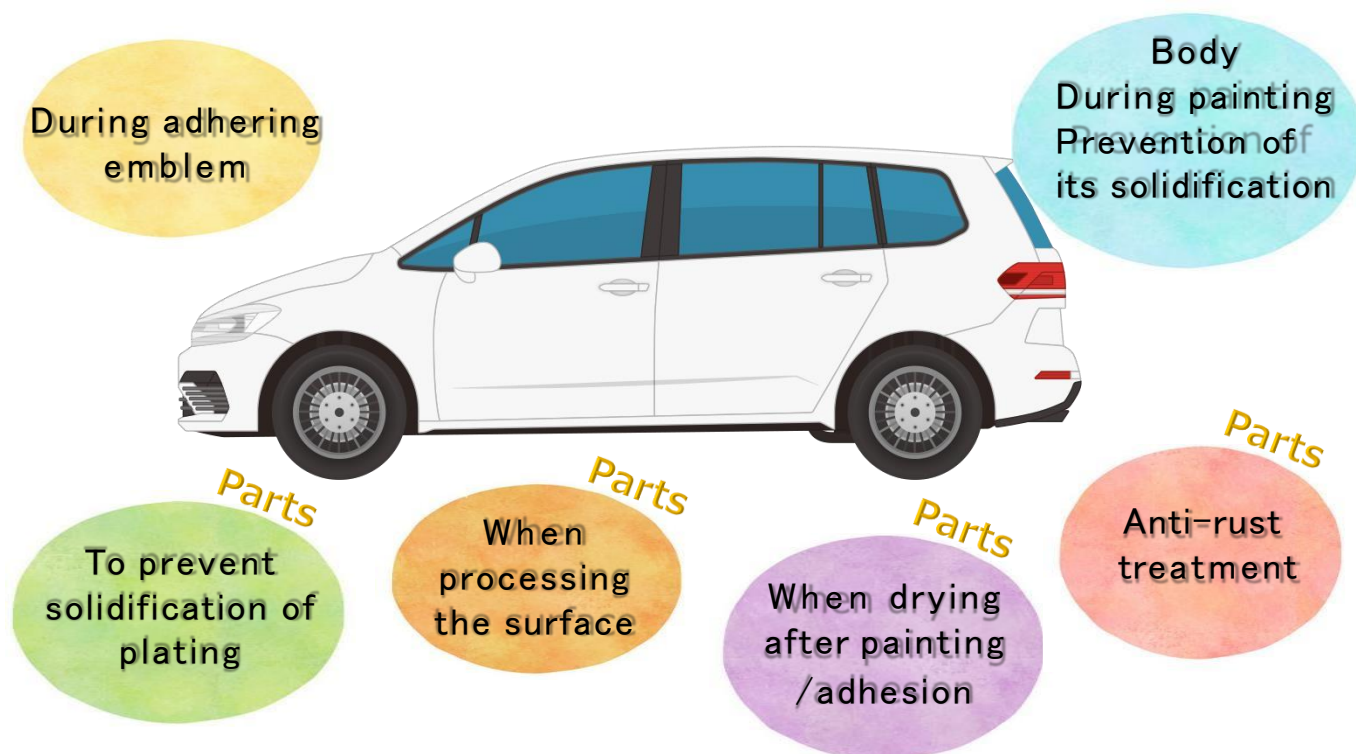
Our original bottom heater, GOEMON

- 4 cans can be warmed at the same time!
- Heating starts just by placing a can!
- Casters attached and easy movement!



# Case 5: For automobile factories

In various situations in automobile manufacturing,  
Our silicon rubber heater is active.



**HERE!**

# Our products for thermal solutions

What is silicone rubber heater?

It is the flat heating element which has nickel-chromium wires installed between the rubber sheets.



[Features]

① **Flexible**

Flat heating element that is flexible not found in metal heaters.

② **High durability**

Can be consecutively used 200°C/400F° and long life time.

③ **Free design**

Highly customizable as required.



**Silicone rubber heaters must be used with  
[Temperature controller + temperature sensor]**

ThreeHigh's **temperature controller** "monoOne series" are...

- ◆ Easy-to-use product which was inspired by the user's voice
- ◆ Easy setting that can be used upon receiving
- ◆ Simple and compact.

Confident in temperature accuracy and safety

ThreeHigh's **temperature sensors** are...

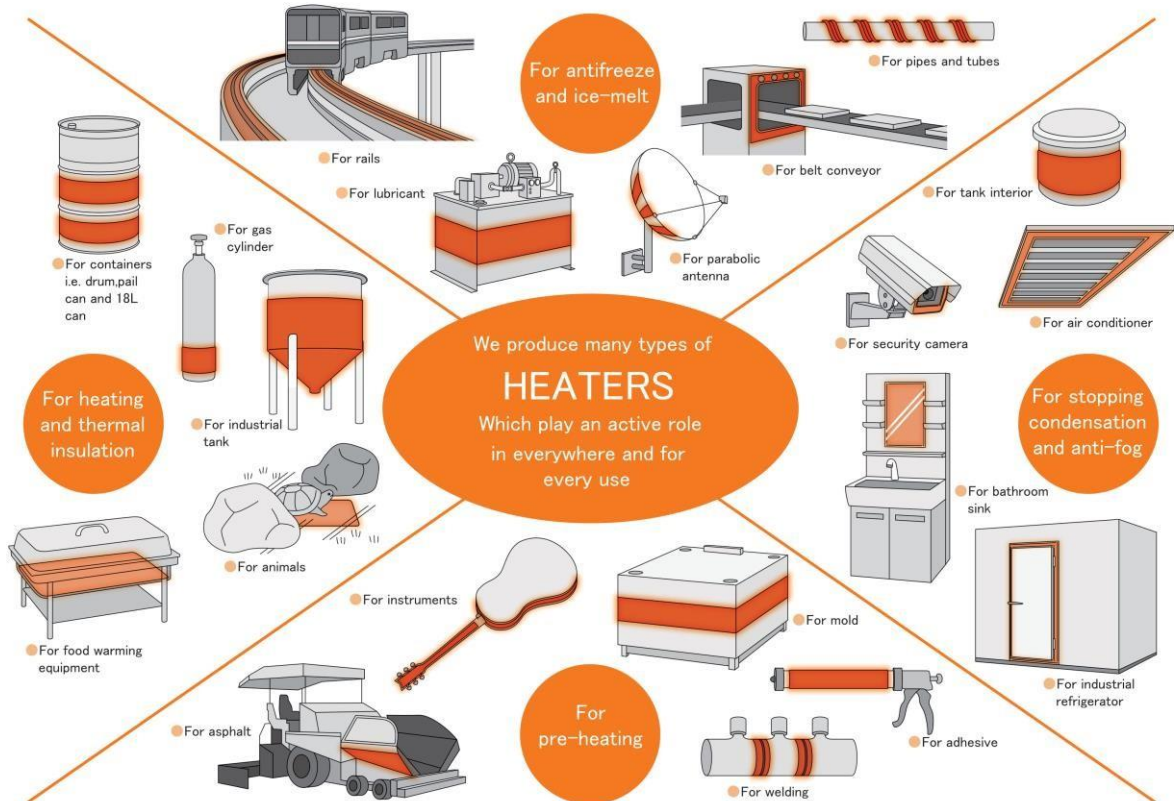
- ◆ A large selection.
- ◆ High quality with high processing technology and our own strict inspection standards

**We propose and provide all the items required to use the heater.**



# Other scenes where our heaters are

There are a variety of other uses in various industries.



Injection molding machine



Preventing condensation of air conditioners



Semiconductor production plants



Manufacture and repair of instruments

etc...

# ThreeHigh Co., Ltd.



SCR activity was rewarded by the government.(2020.12)

## WEB

<https://www.threehigh.com/>

## Contact us

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Visit our booth at the Yokohama VR Expo

<https://vr.idec.or.jp/Threehigh/>



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